



Myanmar Integrated Biological and
Behavioural Surveillance Survey
&
Population Size Estimates among
Men Who Have Sex with Men (MSM)
2019

National AIDS Programme
Department of Public Health
Ministry of Health
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ACRONYMS AND ABBREVIATIONS

AIDS	Acquired Immunodeficiency Syndrome
FSW	Female Sex Workers
HBV	Hepatitis B Virus
HCV	Hepatitis C Virus
HIV	Human Immunodeficiency Virus
HSS	HIV Sentinel Surveillance
ID	Identifier
IBBS	Integrated Biological and Behavioural Survey
IRB	Institutional Review Board
KP	Key Population
MoH	Ministry of Health
MMK	Myanmar Kyats
MSM	Men who have sex with men
NAP	National Aids Programme
NGO	Non-Governmental Organization
ODK	Open Data Kit
PEP	Post-exposure Prophylaxis
PrEP	Pre-exposure Prophylaxis
PSE	Population Size Estimates
PWID	People Who Inject Drugs
RDS	Respondent Driven Sampling
RDS-A	Respondent Driven Sampling Analyst
SOGI	Sexual Orientation and Gender Identity
STI	Sexually Transmitted Infection
TGW	Transgender Women
UPC	Unique Participant Code
UNAIDS	The Joint United Nations Programme on HIV/AIDS

ACKNOWLEDGEMENTS

This report is the result of a major collaborative effort of many institutions, organizations and individuals without whose contributions the data presented in this document could not have been collected. Sincere thanks and appreciation go to a large number of individuals for their contributions. Special thanks go to UNAIDS Myanmar, WHO Myanmar, Centre for Disease Control, ICAP at Columbia University, CPI and PSI Myanmar, who together with the Global Fund, supported the implementation of the survey. We also wish to gratefully acknowledge all of the government institutions and NGOs working on HIV prevention activities for men who have sex with men who provided data and support. Above all we would like to thank the many persons who took part in the survey and devoted their time to providing answers to questions and testing for HIV. Without their keen interest and participation this survey would not have been possible.

EXECUTIVE SUMMARY

This report presents the results of the Myanmar 2019 Integrated Biological and Behavioral Survey (IBBS) and population size estimates (PSE) among men who have sex with men (MSM). The current survey is the third IBBS among MSM completed by the National AIDS Programme (NAP) and included a total of 11 select sites, making it the largest IBBS among this key population to be conducted in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM; 2) assess HIV-related knowledge and attitudes among MSM; 3) estimate progress towards the 95-95-95 targets of the HIV care cascade among MSM living with HIV; and 4) estimate the population size of MSM in the survey cities, with extrapolation to state/regional and national levels in Myanmar. Findings of this survey and PSE will provide critical inputs for informing HIV programming for MSM in Myanmar and tracking the progress of epidemic response.

The IBBS utilized respondent-driven sampling (RDS), a chain referral recruitment method designed to obtain a representative sample of hidden or hard-to-reach populations including MSM. In order to be eligible for survey participation, candidates were required to be biologically male, age ≥ 15 years, currently living in the survey township/city, and able to speak the Myanmar language and must have exchanged anal sex with a man in the past 6 months.

Overall, more than half of MSM were under the age of 25, had never been married, and had some formal education. While most MSM identified as male, a notable proportion of MSM identified as female or transgender in the larger cities. In Mandalay, 21.6% of MSM identified as female and 16.6% identified as transgender, while 28.0% and 15.5% identified as female and transgender in Yangon, respectively.

HIV prevalence was 8.8% overall, which is well above the HIV prevalence rate among Myanmar's general male population (15-49 years) (0.9% according to 2019 National estimates). HIV prevalence was notably high in Yangon (28.3%) and was similar when compared to results of the 2015 IBBS. However, an appreciable decrease in HIV prevalence was observed between 2015 and 2019 in Mandalay, the other major city included in the previous rounds of IBBS surveillance (22.0% in 2015 vs. 13.7% in 2019).

Informed by findings of the previous IBBS among MSM, this report presents key indicators stratified by group identity: Apwint, Apone, and Tha Nge¹. In most sites, HIV prevalence was highest among Apwint-identifying MSM (28.1% overall), followed by Apone and Tha Nge-identifying MSM (13.7% and 3.1% overall, respectively). This trend in HIV prevalence by group identity is consistent with results of the 2015 survey and can help inform targeted prevention and treatment efforts for specific MSM sub-groups.

The 2019 IBBS highlighted both progress and gaps in the HIV care cascade for MSM in Myanmar. While over 80% of HIV-positive MSM that were aware of their status had been linked to care (2nd 95 target), only 10% of HIV-positive MSM were aware of their status (1st 95 target) and only 51% who were linked

¹ 'Apwint' are individuals born biological male but who openly express themselves femininely by dress and/or social interactions. 'Apone' are individuals born biological male who may also want to express themselves femininely but may not disclose this behavior to all segments of their social networks. 'Tha Nge' are individuals with a masculine outward appearance and affect but have sex with men.

to care were virally suppressed (3rd 95 target). This underscores the need for ongoing efforts to improve awareness of HIV status as well as treatment outcomes for MSM living with HIV.

Several additional key findings emerged from the IBBS data. While most participants had ever received information on HIV/AIDS, fewer than half of MSM demonstrated comprehensive HIV knowledge, underlining the need for HIV messaging and education tailored to MSM. Results also underscore the importance of expanding HIV testing services for MSM, as fewer than half of participants had ever tested for HIV and the proportion of MSM who had ever tested for HIV was notably low in sites including Taunggyi, Pakkoku and Magway. Finally, condomless anal sex remains an important risk factor for MSM in Myanmar, as only 52.9% and 61.4% of participants reported using a condom at last sex with regular and casual male partners, respectively. In the current survey, well below 50% of respondents had received free condoms or counseling on condom use and safe sex in the past three months.

Through group consensus sessions, township scoring methods and machine learning modelling, population size estimates were generated for MSM by IBBS survey site and national states/regions. Overall, the PSE for reachable MSM in Myanmar was 134,000. This corresponds to 0.7% of the adult male population.

Findings of the 2019 IBBS among MSM and PSE affirm the importance of including targeted programs for MSM in efforts to control the HIV epidemic in Myanmar. Results of this survey provide critical information needed to inform HIV prevention, strengthen linkage to care and improve treatment outcomes for MSM. IBBS data can be used in conjunction with program data and other surveillance data in order to obtain the most accurate understanding of the HIV epidemic among MSM in Myanmar.

1. INTRODUCTION AND BACKGROUND

1.1. HIV epidemic in Myanmar

Myanmar's population in 2019 was 54.3 million¹. HIV prevalence among adults (persons aged ≥15 years) in Myanmar was estimated to be 0.58% (240,000 people) in 2019². Alarminglly however, a much higher HIV prevalence has been concentrated among key population (KP) groups including people who inject drugs (34.9%; 2017 IBBS)³, female sex workers (FSW)(14.6%, 2015 IBBS)⁴ and men who have sex with men (MSM)(11.6%, 2015 IBBS)⁵. Approximately 70% of new HIV infections in Myanmar in 2019 were estimated to occur among key populations, including clients of female sex workers⁶. Sex work is highly stigmatized, making it challenging for services and research to reach these key populations.

1.2. HIV epidemic and surveillance among men who have sex with men

The first Integrated Biological and Behavioural Survey (IBBS) among MSM was conducted in 2009 and is regularly conducted among key populations every 3-4 years, with the previous IBBS among MSM having been conducted in 2015. With a national prevalence of 11.6%, the results of the 2015 IBBS showed that local prevalence ranged from 6-7% in Monywa, Patheingyi and Pyaw to 22% in Mandalay and 27% in Yangon⁵. In the previous IBBS, young key populations were identified as being vulnerable and disproportionately affected by HIV. The majority of respondents in the 2015 survey were young MSM under 25 years of age. More importantly, results showed that HIV prevalence among young MSM was notably higher in some areas, including Yangon (14%) and Mandalay (10%)⁵.

The 2015 IBBS results also highlighted key risk factors for HIV transmission among MSM. Though results showed that condom use at last anal sex with male partners was consistently higher than 65% across survey sites, levels of comprehensive HIV knowledge and sexual risk characteristics among MSM varied across different type of groups and locations⁵. MSM in Myanmar are self-identified by local terms (Apone, Apwint and Tha Nge), which reflect sexual orientation, gender identity and public expression of gender identity. Two groups in the 2015 survey, Apone and Apwint, who more openly express their gender identity, were at higher risk of HIV infection due to their sexual behaviour. In Yangon, higher rates of partner change and commercial sex were observed, accompanied by lower HIV knowledge, lower access to outreach services and lower rates of condom utilization.

In 2019, national program data estimated that 49% of MSM were covered by minimal package of HIV prevention program and around 98% of MSM who had been reached with prevention services had been tested for HIV. (Source: Annual Progress Report 2019, NAP, MOH)

However, access to outreach services and knowledge of testing centre locations among survey respondents during the 2015 IBBS was higher than national prevention coverage estimates in some study sites including Pyaw (93%), Mandalay (80%), and Patheingyi (76%), demonstrating potential successes in reaching MSM with prevention services.

According to the 2015 survey results and recommendation from national estimates, there is a critical need to formulate an HIV response plan, with integration of prevention and treatment interventions tailored to key populations, in order to maximize impact on HIV epidemic control.

2. METHODS

2.1. Objectives

This report presents the results of the 2019 IBBS among MSM in 11 selected sites in Myanmar and population size estimations. The overall objectives of the survey were to:

1. Estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM;
2. Assess HIV-related knowledge and attitudes among MSM;
3. Estimate progress towards the 95-95-95 targets of the HIV care cascade (diagnosis, linkage to antiretroviral treatment and viral load suppression) among MSM living with HIV;
4. Estimate the population size of MSM in the survey cities, with extrapolation to state/regional and national levels in Myanmar.
5. Monitor temporal changes in HIV/STI prevalence and key behavioral indicators using the previous (2015) IBBS findings.

2.2. Pre-survey exploratory visits

Exploratory visits were conducted prior to IBBS implementation to inform survey logistics and respondent-driven sampling (RDS) planning. The exploratory visits helped determine the appropriate number of RDS Centres, RDS Centre hours, characteristics for seed selection, elements of the Unique Participant Code (UPC), compensation amount, and service providers that can provide psycho-social support to MSM. A training on how to conduct formative assessment was provided in June 2019 and the formative assessment in all the potential IBBS sites was conducted during Jun – July 2019. Each formative assessment group was consisted of central and regional NAP officials, people from technical organizations (UNAIDS, WHO, UNOPS, ICAP, and CPI).

During the visits, service data availability and quality was also assessment to be used in service multiplier PSE method.

A formative assessment dissemination meeting was conducted in July 2019 and organizations to conduct UO distribution, organizations to use for service multiplier, location of RDS center, incentive money amount, seed selection and date of advocacy meetings were determined for each IBBS sites.

2.3. RDS centres and staff

The survey was conducted in a house or apartment that was easy for participants to find, easy to access and affordable to reach. Potential survey participants were invited to come to this venue, called the “RDS Centre”. In addition to being easily accessible, RDS Centres were also quiet and private to ensure participants’ confidentiality, to limit distractions and avoid possible stigma and discrimination. RDS Centres were spacious enough to allow multiple private interviews to take place at the same time and for completed questionnaires to be kept out of sight of other participants and staff members who were not cleared to access confidential data.

Each RDS Centre was staffed by a team of people who performed different roles with specific tasks. Each team was composed of:

- One site manager
- One screener
- One coupon manager
- Two interviewers
- One nurse or lab technician

In addition, each of the survey sites (i.e., city or town) had a NAP official whose role was to oversee, support and monitor the whole RDS team through the site manager. Depending on the site, this role was performed by the NAP AIDS/STI Regional Officer or Team Leader or by the Township Medical Officer with support from the NAP Team at central level in Nay Pyi Taw. Before survey data collection started, a week-long training was held for all RDS team members simultaneously, outlining IBBS and PSE aims, methods and procedures. In this training, breakout sessions were provided for each type of RDS team members, screener, coupon manager, interviewers, nurse/lab tech and site manager

2.4. Study population

To participate in the survey, candidates had to meet all of the following criteria:

- Biologically male
- Exchanged anal sex with a man in the past 6 months
- Age ≥ 15 years
- Currently living in the survey township/city
- Speaks the Myanmar language
- Able to provide verbal informed consent
- Willing to participate
- In possession of a valid recruitment coupon

2.5. Survey sites and sample size

The 2015 IBBS among MSM included five survey sites: Yangon, Mandalay, Monywa, Patheingyi, and Pyaw. In 2019, six additional sites were added for MSM, including Bago, Dawei, Magway, Meiktila, Pakkoku and Taunggyi. These additional survey sites for MSM were selected based on the high volume of KPs identified through prevention services and programmatic mapping conducted by NAP and non-government organizations (NGOs).

Using data from the 2015 IBBS among MSM, the sample size required to estimate the proportion who tested for HIV in the last year and received the result was calculated, using a design effect of 2 and a margin of error of 10% applied to each city. Sample size calculations were performed using the formula below:

$$\frac{N * p * (1 - p)}{\left(\frac{d}{\sqrt{DEFF}}\right)^2} * (N - 1) + p * (1 - p)$$

$Z_{(1-\frac{\alpha}{2})}^2$

This formula does not allow the sample size to exceed the size of the finite population for very large design effects.

DEFF	Design effect =2
N	Population size (from previous IBBS PSE)
P	Anticipated frequency (0 to 1)
D	Margin of error (0 to 1) or precision
Z	Z value for type I error - two sided (for $\alpha = 0.05$, we used $z=1.96$)

Table 1. Sample size for MSM assuming a DEFF=2 and precision=5%

Survey site	Estimated P %	2015 PSE	Sample size
Bago	50.4	2816	604
Dawei	50.4	791	390
Magway	50.4	1638	524
Mandalay	63	11554	675
Meikhtila	50.4	1767	536
Monywa	36.2	1862	515
Pakkoku	50.4	1585	518
Pathein	59.9	2476	569
Pyay	55.2	689	362
Taunggyi	50.4	2468	587
Yangon	35.9	23368	687
Total			5967

2.6. Recruitment and sampling

The IBBS used RDS, a method selected for its effectiveness in sampling hidden populations that are hard to reach with other sampling methods⁷. RDS has been effectively used in Myanmar and many other countries to recruit members of groups at high risk for HIV.

RDS is a chain referral sampling method that, if applied correctly, produces data representative of the network of the population from which the samples were drawn⁷. Uptake in the survey started with a small number of purposively selected members of the study population. After participating in the survey, these initial respondents, called “seeds,” were each asked to recruit three peers (i.e. other eligible survey participants) to take part in the survey. Successfully recruited peers repeated the process of participating and then recruited others until the desired sample size was reached. Participants were provided a primary travel cost compensation for completing the survey, the amount of which varied by site (5,000 Myanmar Kyats [MMK] for Monywa, Pyay, Magway, Pakkoku, Meiktila, Taunggyi, and Bago; 6,000 MMK for Mandalay, Pathein, and Dawei; and 8,000 MMK for Yangon). Participants subsequently received a secondary compensation of 2,000 MMK for each peer they recruited (maximum of three) who enrolled and completed the survey.

Weekly monitoring of recruitment during data collection helped to identify non-productive seeds. Additional seeds were added as needed. Coupons included information on enrolment as well as the address, opening hours and contact details of the local RDS Centre. Coupons were coded in a way that allowed the linkage of recruiters to their recruits. Each coupon was valid for two weeks, during which recruiters were expected to pass their coupon(s) to a peer who would, in turn, enrol in the survey.

2.7. Study procedures

Potential participants reporting to the survey site were screened for eligibility and asked to provide verbal informed consent. Participants completed an interviewer-administered, tablet-based

questionnaire, received HIV pre and post-test counselling and provided a specimen for rapid HIV, HCV, HBV and syphilis testing.

Any participant who tested positive for HIV was referred for confirmatory testing and treatment. All persons who presented to the survey site were offered condoms and risk reduction materials, regardless of participation.

Survey participants returned to the RDS Centre to receive a secondary compensation after the period of coupon validity (two weeks) or earlier, if they were certain that all peers they had recruited had enrolled and completed the survey. The number of coupon recipients who did not present within the two-week window were enumerated for each site. A non-response rate was then calculated to assess MSM interest in participating in the survey and was used as an indicator of survey quality.

2.8. Population size estimation methods

The whole process of population size estimation calculation went through two major steps: the first part was to get FSW and MSM PSE for each IBBS sites and township rating through large group consensus, and the second part was calculation of the national FSW and MSM PSE by core calculation team.

To achieve large group consensus, the National AIDS Program organized a large PSE workshop virtually. There were nearly 200 participants covering a variety of expertise areas including NAP officials, representatives from technical and implementing partners, and key populations from community networks from central and sub-national levels. The same large group was organized again to validate the sub-national and national PSE calculation results.

All the participants were divided into five groups, each group containing the government, I/NOGs and key populations representatives who had the best knowledge of local situation on HIV and key populations for their respective geographical area.

Based on the group work consensus results on FSW and MSM PSE for each IBBS sites and township rating scale, the PSE core team consisted of NAP and technical and implementing partners continued working on calculation of national FSW and MSM PSE calculation.

Detailed steps in national PSE calculation were as follows:

Through large group consensus:

- PSE consensus for IBBS sites
- Township rating
- Validation of sub-national and national PSE calculation results (after calculation)

Calculation by core group:

- Township level split of PSE for large cities
- Existing data review
- Modeling population size for each township
- Checking and adjustment of outlier values

The details of National PSE calculation methodologies and estimates by States and Regions are presented in Annex 7.2.

2.9. Data management

Encrypted tablets were used for data collection during the survey. Survey data was directly entered by the interviewer into tablets programmed in CPro language. Survey data for laboratory results and questions asked in second time visit to collect secondary incentives were also directly entered into tablets programmed in CPro. Data from screening questions were also directly entered into tablet (CPro) and the screener got automatic assessment of the eligibility after answering all the questions.

To ensure quality of data, data entry checks and skip patterns were programmed into the tablets and verification of completeness and internal consistency was performed. Electronic data was sent to an encrypted web-based server on a regular basis and then downloaded for management and analyses.

All survey tablets, computers, flash drives external hard drives and the web-based server containing electronic databases were encrypted and password protected. Rapid HIV test results were recorded on the HIV test log and maintained in an electronic data management file, which was subsequently merged with survey data for analyses.

Management of codes from both survey results and HIV test results were performed by the survey coordinator and coupon manager on a daily basis. The team used RDS Coupon Manager for data management. RDS Coupon Manager is used to track referral processing and coupons; UPC was used to 1) to identify duplicate participants, 2) to confirm correct ownership of a peer recruitment coupon), and 3) re-establish the peer recruitment coupon of participants who presented themselves for follow-up without a coupon. The coupon manager entered coupon data into the Paper-based coupon tracking form and data entry into Coupon Management software in tablet programmed using JAVA based user interface and MySQL Relational Database Management Systems on a daily basis, which was uploaded daily to the secure server.

Continuous quality checks were performed by survey monitoring team consisted of trained personnel from NGOs -CPI and Pyi Gyi Khin to ensure that code numbers were recorded properly for each participant. Merging of data sources (i.e., the laboratory and survey responses) was conducted under the supervision of the investigators and data manager.

2.10. Data analysis

Data in each database were verified and cleaned and then imported into RDS Analyst (RDS-A) Version 7.1 to create sampling weights, which were applied to prevalence estimates and other data analysis. RDS-A facilitates four sampling weight computing tools that utilize estimated population size and/or reported network size to calculate sampling probability of each participant in the study. We adopted RDS II weights because of its proven robustness and convenience (it does not require known population sizes while other tools do). The 11 data sets including weight variables were saved and imported into SAS 9.4 respectively and then merged together for data analysis. The PROC SURVEYFREQ procedure was used to calculate all population proportions and 95% confidence intervals with RDS II weight adjustment. The PROC SURVEYMEANS procedure was used to calculate the mean and median for continuous variables with RDS II weight adjustment. In addition, the prevalence estimates for 11 sites combined are adjusted for site cluster effect.

All results presented in this report are population proportion (instead of sample proportion) unless indicated otherwise. Participants with responses of 'don't know' or 'no answer' are included in the

denominator for proportion calculation, unless noted as otherwise. Comparison data from the 2015 IBBS among MSM is shown for HIV prevalence, the HIV care cascade and other select variables.

2.11. Ethical considerations

Ethical considerations were duly taken to protect study participants since they constitute a socially marginalized and highly stigmatized population. This study protocol was approved by the Myanmar Ethics Review Committee in the Department of Medical Research, Ministry of Health (MOH) and the Columbia University Medical Center Institutional Review Board (IRB).

Every effort was made to protect participant privacy and confidentiality. To safeguard confidentiality, each participant was assigned a unique survey ID, which was the only identifier on data collection forms and specimens. All survey files, when not in use during interview or as previously described, were kept in the locked file cabinet in the survey site office. Following data collection completion, the files were transferred and stored in a locked file cabinet in NAP offices. All computer files were identifiable only by the participant's code number. Participants' names were never used and test results were not shared with authorities.

3. SURVEY FINDINGS

3.1. Sample size and network characteristics

The actual sample size by site, recruitment and waves are presented in Table 2.

Table 2. Recruitment pattern, number of waves and sample size by survey site

Survey site	Number of seeds	Maximum number of waves	Actual sample size
Bago	6	16	606
Dawei	7	17	407
Magway	3	17	564
Mandalay	6	16	706
Meiktila	5	9	553
Monywa	4	15	510
Pakkoku	5	12	499
Patheingyi	8	15	561
Pyaw	5	17	425
Taunggyi	8	17	601
Yangon	14	14	704
Total	71	17	6136

3.2. Socio-demographics

Age

The median age of MSM was 24 overall and ranged from 21 years in Bago, Dawei and Monywa to 30 years in Pakkoku. Overall, 24.2% of MSM were between 15-19 years of age, 27.6% were between 20 and 24 years of age, 19.3% were between 25 and 29 years of age, 12.1% were between 30 and 34 years of age, 8.7% were between 35-39 years of age and 8.1% were over 40 years of age. Similar to the 2015 IBBS, MSM generally tended to be young, with greater proportions of participants in the 15-19 and 20-24 age groups compared to the older categories. Dawei and Monywa had the greatest proportion of MSM between 15 and 19 years of age, with 40.7% and 40.5% of participants in this category, respectively. Pakkoku had the highest proportion of MSM over 40 (17.4%), with a relatively even distribution across age categories compared to other sites.

Approximately half (51.8%) of MSM were under the age of 25. Pakkoku and Pathein had the lowest proportions of MSM under 25 years of age (30.2 and 44.1, respectively), while Monywa and Bago had the highest proportions of MSM under 25 years (67.9% and 63.0%, respectively). Only moderate differences in the proportion of MSM under 25 years of age between the 2015 and 2019 IBBS were observed in Mandalay, Monywa, Yangon and Pyay. However, the proportion of young MSM in Pathein dropped noticeably from 70.0% in 2015 to 34.1% in 2019.

Figure 1. Median age of MSM

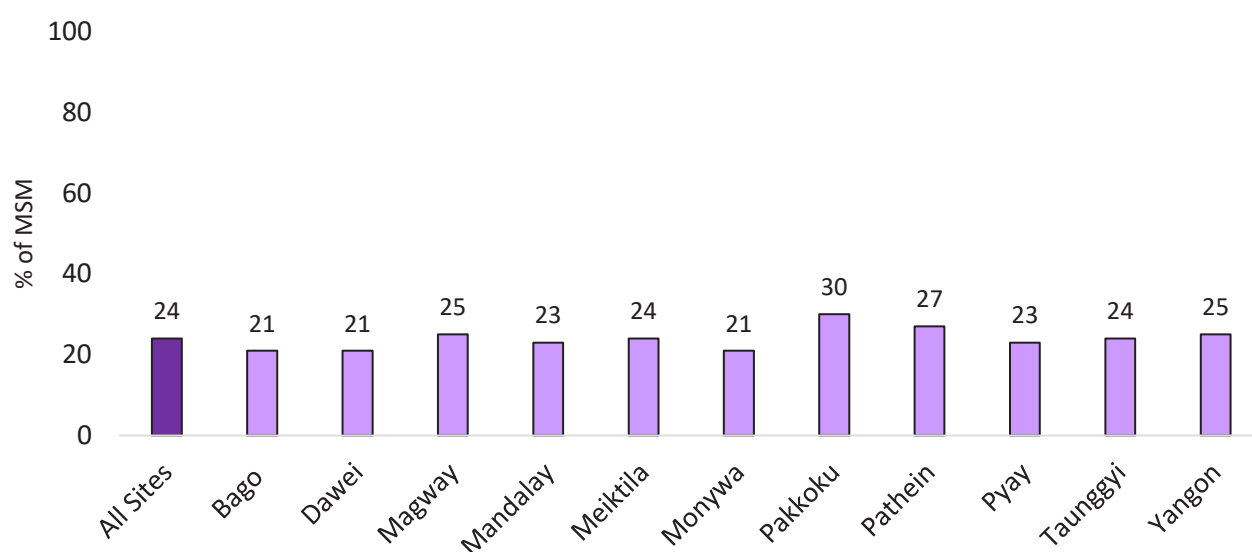
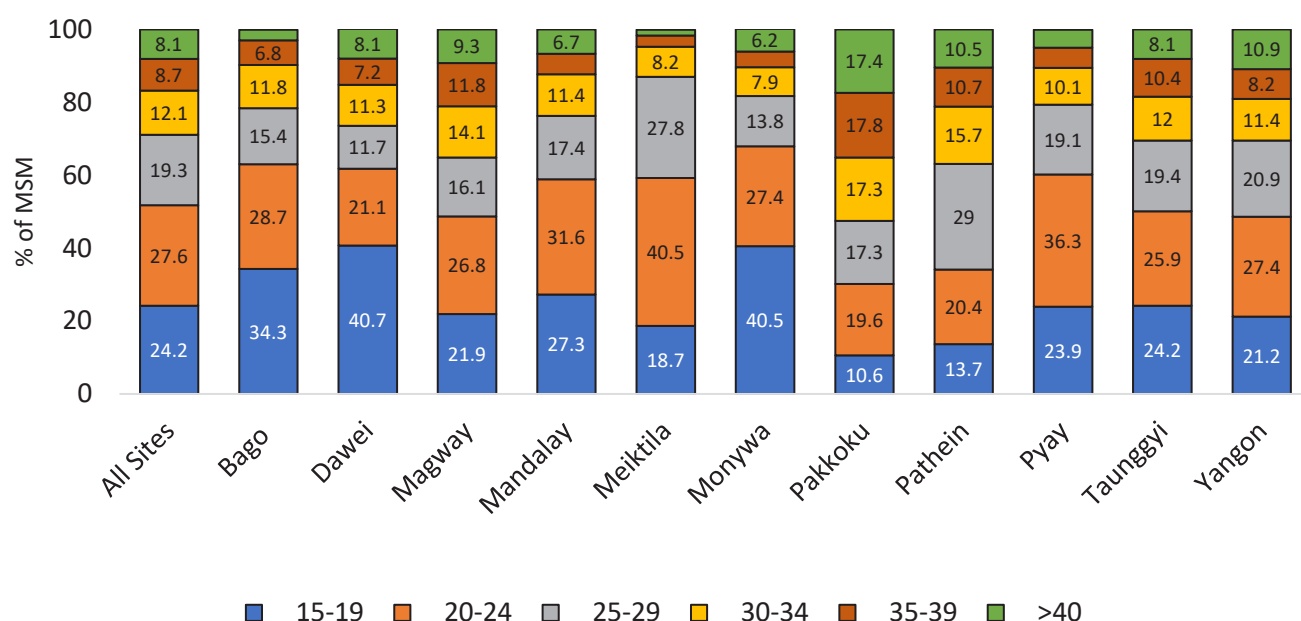
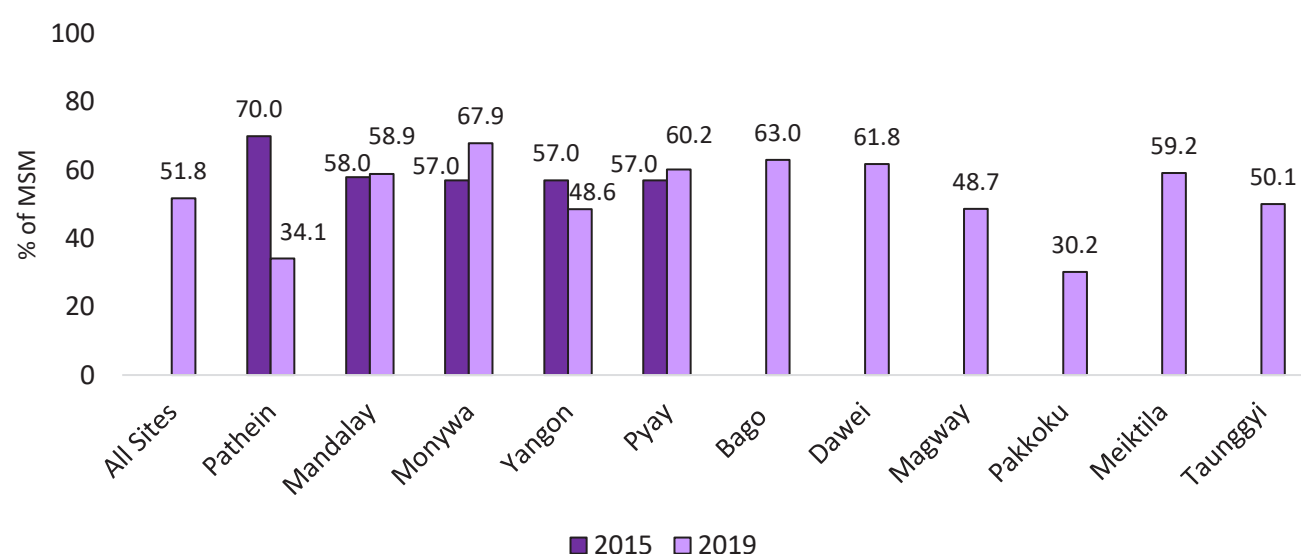
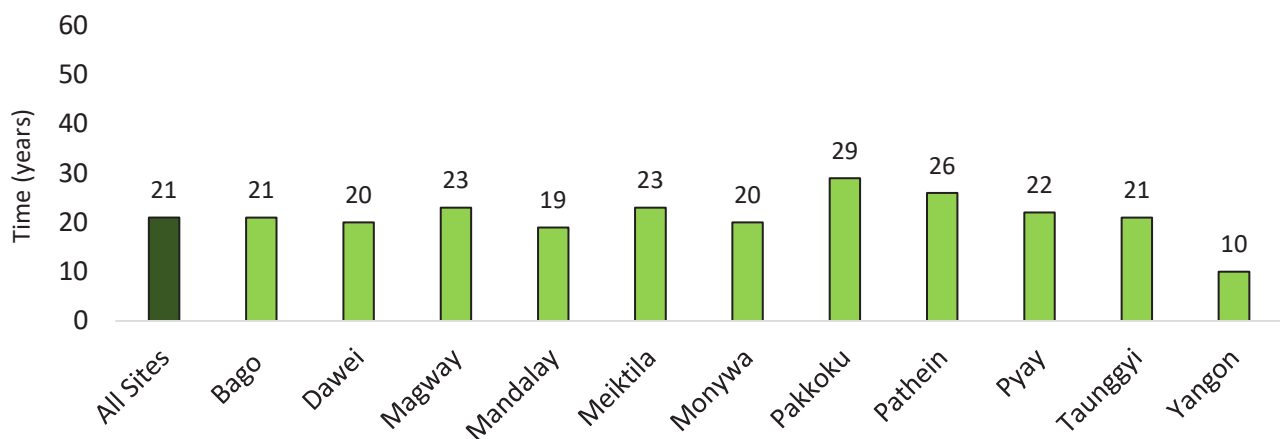


Figure 2. Age Distribution of MSM**Figure 3. Proportion of MSM under 25 years of age****Residency in township**

Generally, MSM had resided in their respective townships for a decade or longer. Median duration of residency in the current township was 21 years overall. The median number of years spent in the township ranged between 19 and 29 years in all sites with the exception of Yangon, in which the median number of years lived in the township was 10.

Figure 4. Median number of years lived in township

Marital status and household composition

Consistent with results of the previous IBBS, most MSM were not married. Overall, 19.8% of MSM were currently married to a woman, 7.9% had previously been married but were currently divorced, separated or widowed and 72.2% had never been married. Most MSM in all sites had never been married with the exception of Pakkoku, in which 38.0% had never been married, 13.6% were previously married and 48.4% were currently married. The proportion of MSM who had never been married was as high as 91.3% and 92.1% in Yangon and Mandalay, respectively.

Generally, MSM aged 25 years or older were more likely to be married to a woman (31.6% overall) compared to those under 25 years (8.9% overall). A greater proportion of MSM 25 years of age or older were married compared to those under 25 years of age in all sites with the exception of Mandalay, although only a small percentage of MSM in both age groups were married in (less than 4%) and the difference between age groups was negligible. The largest difference between age groups was observed in Bago, in which 59.5% of MSM 25 years of age or older were currently married compared to 14.5% of MSM under the age of 25.

MSM most frequently reported living with parents or relatives (63.3% overall). This was anticipated given the large proportion of participants who were single and had never been married and was consistent with results of the 2015 IBBS. The proportion of MSM who lived with a spouse ranged from 3.2% in Mandalay to 28.5% in Patheingyi, while the proportion of MSM who lived with a male partner ranged from 1.2% in Taunggyi to 21.6% in Yangon. Generally, the proportions of MSM who lived with a female partner and with children were very low (0.2% and 1.0% overall, respectively). The proportions of MSM who lived with friends or alone were less than 10% overall.

Figure 5. Marital status^a

^aOverall, 2 participants did not answer

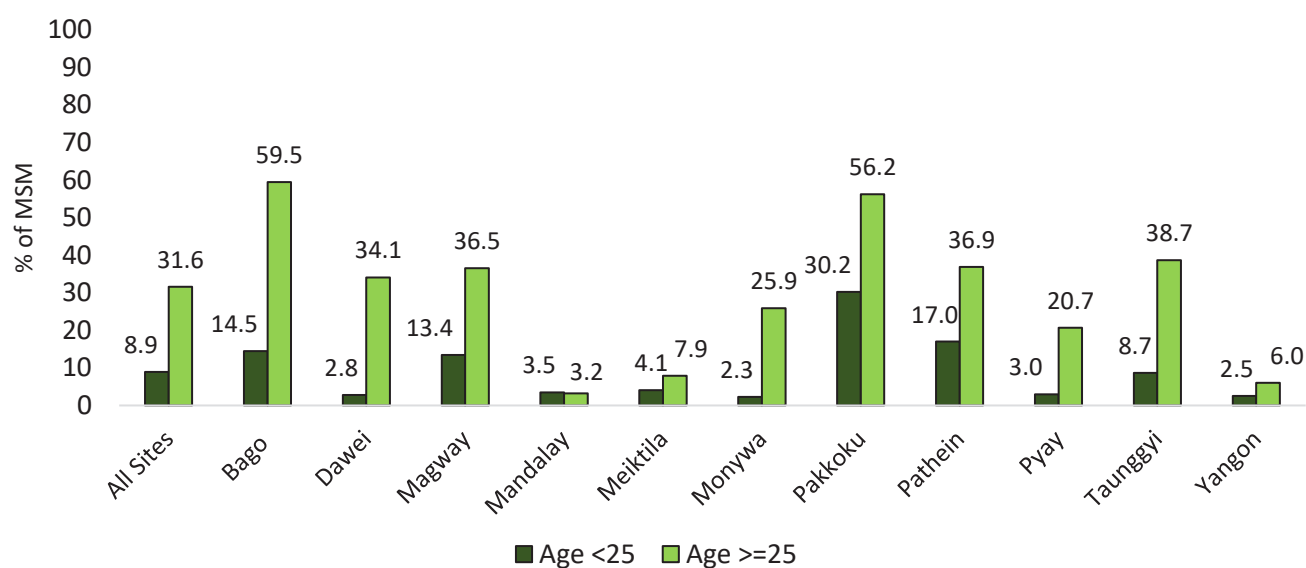
Figure 6. Percent of MSM currently married, by age group^a

^aOverall, 2 participants did not answer

Table 3. Household composition among MSM^a

Survey site	Percent of MSM who live with:						
	Spouse	Male partner	Female partner	Parents or relatives	Friends	Children	Alone
All Sites	15.7	6.9	0.2	63.3	8.3	1.0	4.5
Bago	19.5	1.3	0.1	73.1	2.5	0.1	3.5
Dawei	9.7	2.2	0.0	74.0	7.5	2.6	2.2
Magway	16.7	4.5	0.2	70.5	4.5	0.7	2.9
Mandalay	3.2	13.4	0.3	64.5	13.7	0.2	4.3
Meiktila	4.9	6.2	0.1	65.6	17.5	0.2	5.6
Monywa	9.7	6.4	0.1	79.1	2.4	0.3	2.0
Pakokku	31.9	1.5	0.0	61.0	0.7	1.9	2.9
Patheingyi	28.5	5.5	0.3	51.5	3.7	2.0	8.5
Pyaw	12.9	5.7	0.0	72.8	6.7	0.2	1.8
Taunggyi	26.8	1.2	0.3	59.6	6.6	1.7	3.8
Yangon	3.9	21.6	0.2	47.6	17.5	0.5	8.8

^a Overall, 0.2% of participants answered "Other"

Socio-economic status

Median monthly income was 200,000 MMK overall and ranged from 0 to 9,000,000. Across all sites, median monthly income ranged from 180,000 MMK to 220,000 MMK. When asked to indicate their primary source of income in the previous year, MSM most frequently reported manual and unskilled labor, which was in line with results of the 2015 IBBS. Salaried work in the public or private sector and transportation work were the second and third most commonly reported primary income sources, respectively.

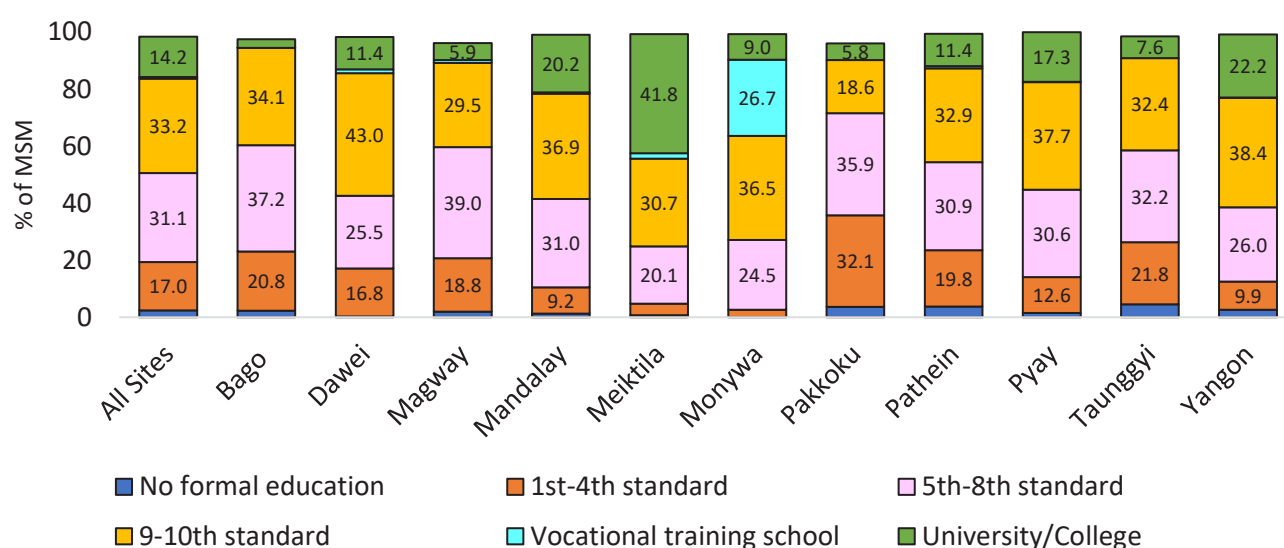
Most MSM were literate in Myanmar across survey sites. Over 90.0% of MSM could both read and write in Myanmar. The proportion of MSM who could neither read nor write in Myanmar was 4.2% overall; Meiktila had the lowest proportion of MSM who could not read or write (0.4%) and Dawei had the highest proportion (11.0%).

A large majority (90.6%) of MSM indicated that they were not currently a student. The proportion of MSM with no formal education was 2.4% overall and was less than 5% in all sites. Overall, 17.0% had attended 1st-4th standard education, 31.1% had attended 5th-8th standard education, and 33.2% had attended 9th-10th standard education. The proportion of MSM who had attended college or university was 14.2% and ranged from 3.0% in Bago to 41.8% in Meiktila. A small proportion of MSM reported attending vocational training (0.5% overall) and monastic education (1.6% overall).

Table 4. Monthly income (MMK) distribution (last 12 months)

Survey site	Mean (MMK)	Median (MMK)	Range	
All Sites	249058	200,000	0	9,000,000
Bago	317368	200,000	99	8,000,000
Dawei	222519	180,000	0	3,500,000
Magway	238041	200,000	15000	2,000,000

Mandalay	284334	220,000	0	2,500,000
Meiktila	277367	200,000	0	7,000,000
Monywa	204990	180,000	0	1,500,000
Pakkoku	221197	180,000	0	9,000,000
Pathein	247674	200,000	99	1,800,000
Pyay	200471	180,000	20000	600,000
Taunggyi	206912	200000	0	1,000,000
Yangon	274931	220,000	0	5,000,000

Figure 7. Highest grade in school^a

^aOverall, 1.6% of participants attended monastic education 0.1% did not answer

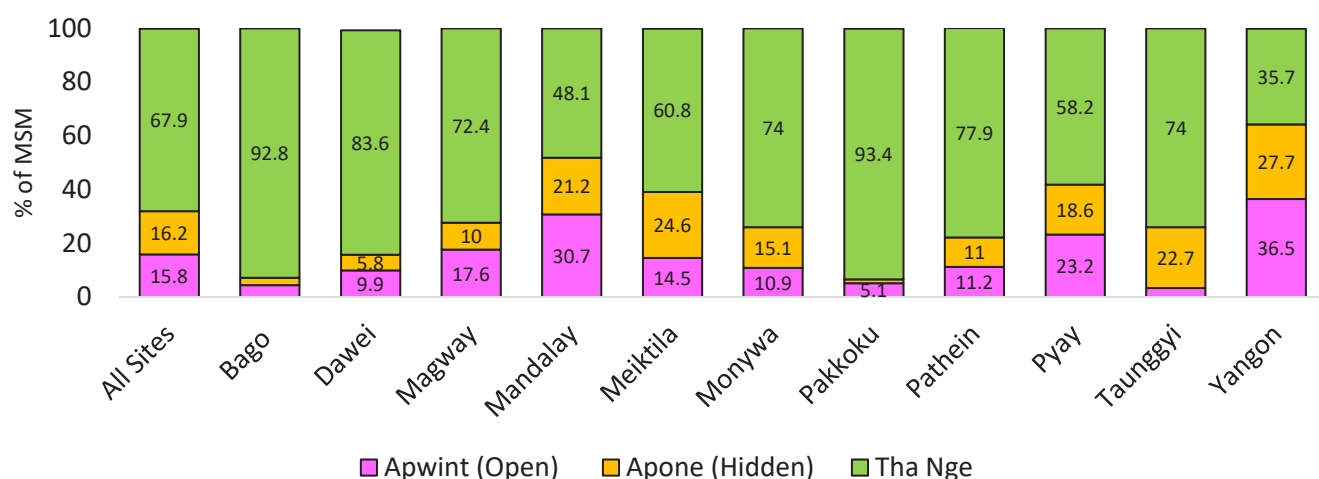
3.3. Group identity

Group membership

Several sub-groups exist within the broader identity of MSM. ‘Apwint’ are individuals born biological male but who openly express themselves femininely by dress and/or social interactions. ‘Apone’ are individuals born biological male who may also want to express themselves femininely but may not disclose this behavior to all segments of their social networks. ‘Tha Nge’ are individuals with a masculine outward appearance and affect but have sex with men. Overall, 15.8% of participants identified as Apwint, 16.2% identified as Apone and 67.9% identified as Tha Nge. Over 50% of participants identified as Tha Nge in all sites except Mandalay and Yangon. The proportion of participants who identified as Apwint ranged from 3.3% in Taunggyi to 36.5% in Yangon, while the proportion of participants who identified as Apone ranged from 1.4% in Pakkoku to 27.7% in Yangon.

Differences in group membership identification were observed between categories of gender identity. Generally, male-identifying MSM tended not to openly express their MSM identity, while female and transgender-identifying participants tended to be more open in expressing their MSM identity. Among those who identified as male, a large majority (83.1% overall) identified as Tha Nge, while most female and transgender-identifying participants were Apwint (86.4% and 80.5%, respectively).

Figure 8. Self-reported group membership^a



^aOverall, 0.1% of participants did not answer

Figure 9. Self-reported group membership among male-identifying participants

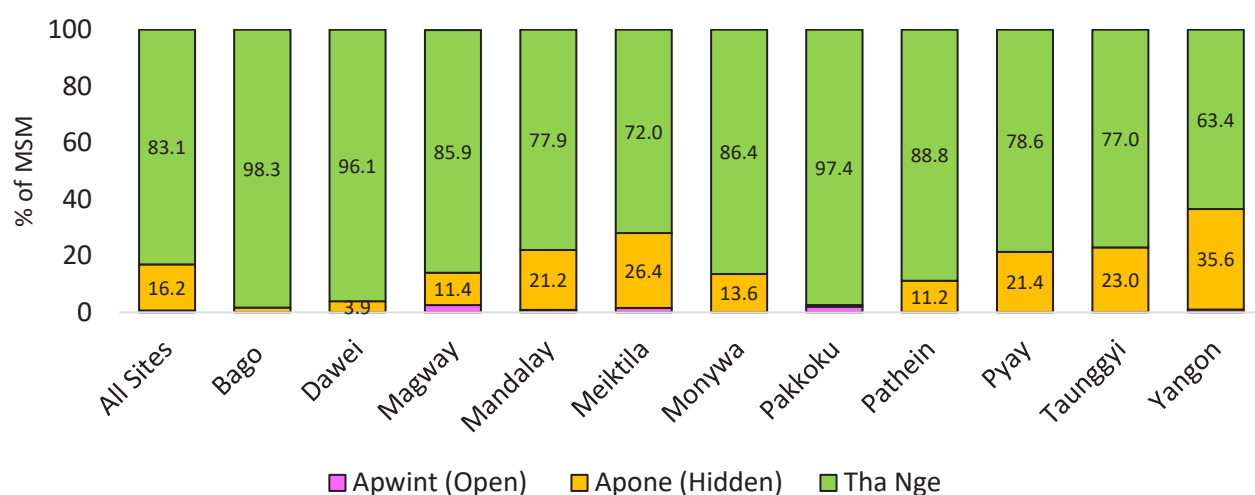


Figure 10. Self-reported group membership among female-identifying participants

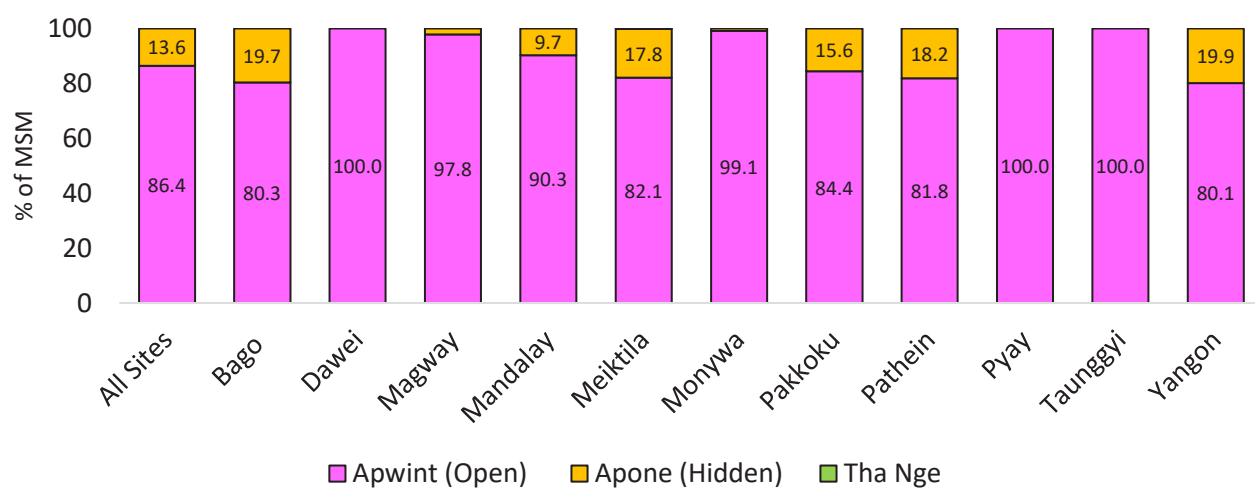
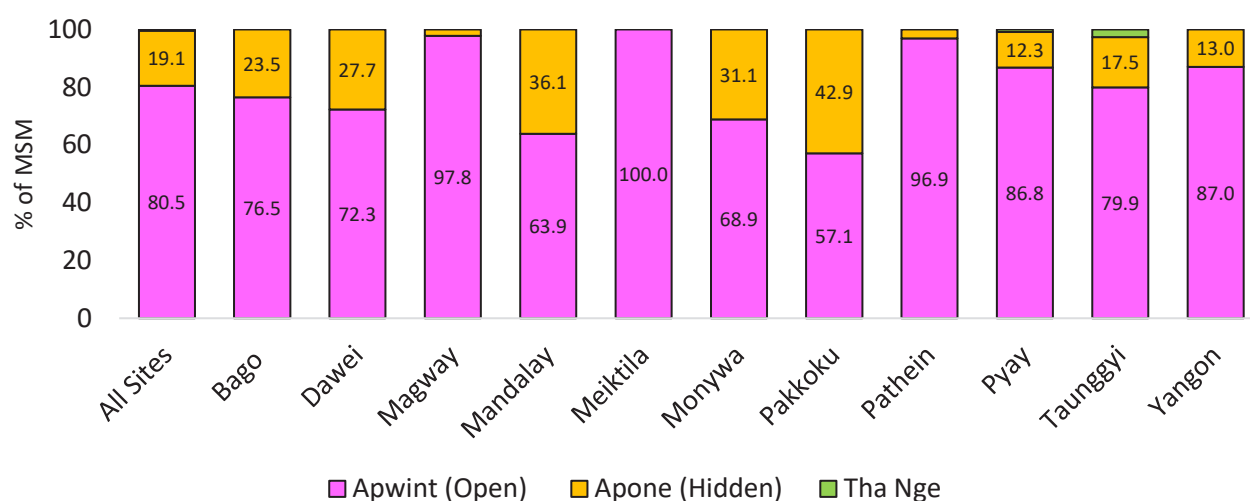
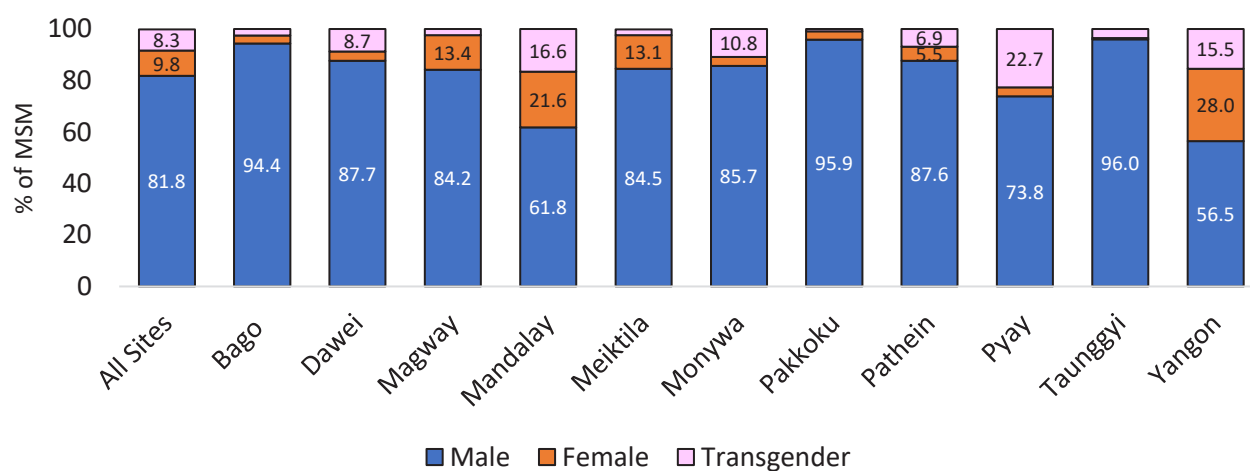


Figure 11. Self-reported group membership among transgender-identifying participants

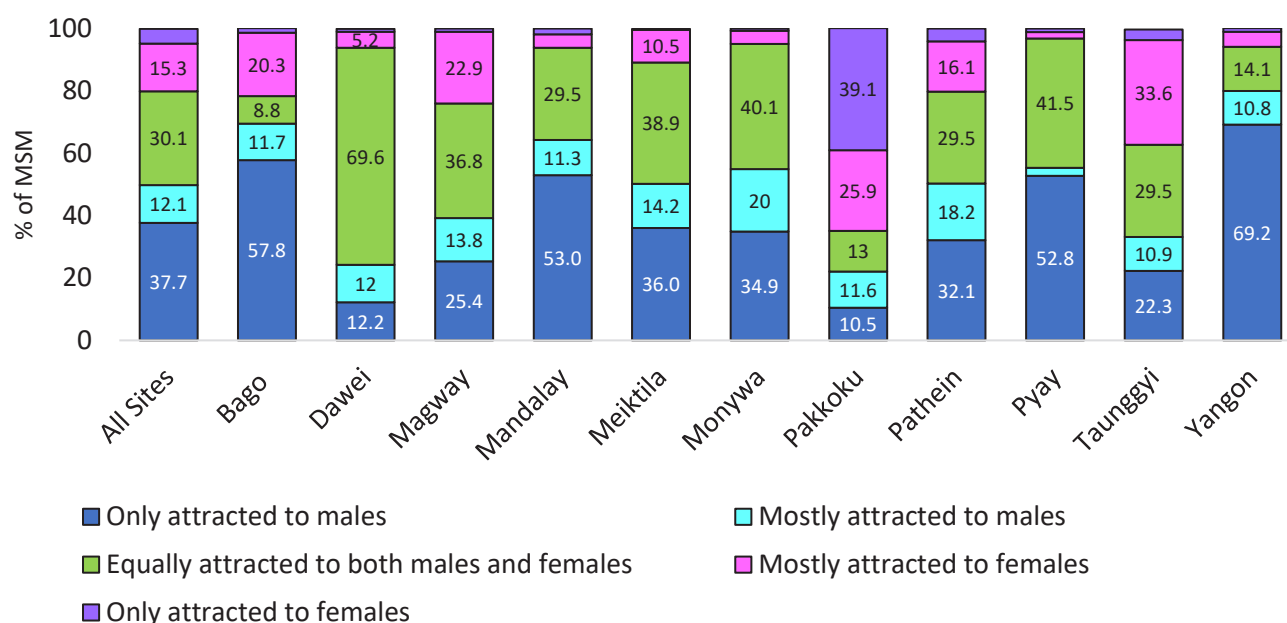
Gender identity

Overall, 81.8% of participants identified as male, 9.8% identified as female, and 8.3% identified as transgender. The majority of participants identified as male in all sites; the highest proportion of male-identifying participants was observed in Pakkoku (96.0%) and the lowest proportion of male-identifying participants was observed in Yangon (56.5%). The proportion of participants who identified as female ranged from 3.1% in Bago to 28.0% in Yangon, while the proportion of participants who identified as transgender ranged from 2.4% in Magway to 22.7% in Pyaw.

Figure 12. Self-reported gender identity

Sexual attraction

Results of the current survey indicate a considerable variation in sexual attraction between sites. Overall, most MSM reported that they were either attracted only to males (37.7%) or had equal attraction to males and females (30.1%). However, an appreciable proportion of participants reported being primarily attracted to females in several sites including Taunggyi (33.6% were mostly attracted to females) and Pakkoku (39.1% were only attracted to females). Few participants reported being only to females (4.7% overall).

Figure 13. Self-reported sexual attraction^a

^aOne participant overall answered "Not sure/don't know"

3.4. Sexual history

Sexual debut

Median age at first vaginal or anal sex was 17 years overall and was between 16 and 18 years in all sites. A majority of MSM (75.3%) reported that their first sexual partner was male. The proportion of MSM reporting that their first sexual partner was male ranged from 38.8% in Pakkoku to 91.4% in Pyaw. The proportion of MSM reporting that their first sexual partner was female ranged from 8.6% in Bago to 60.6% in Pakkoku. Median age at first anal sex with a male partner was 18 years overall and ranged from 16 years in Pyaw and Yangon to 21 years in Pakkoku.

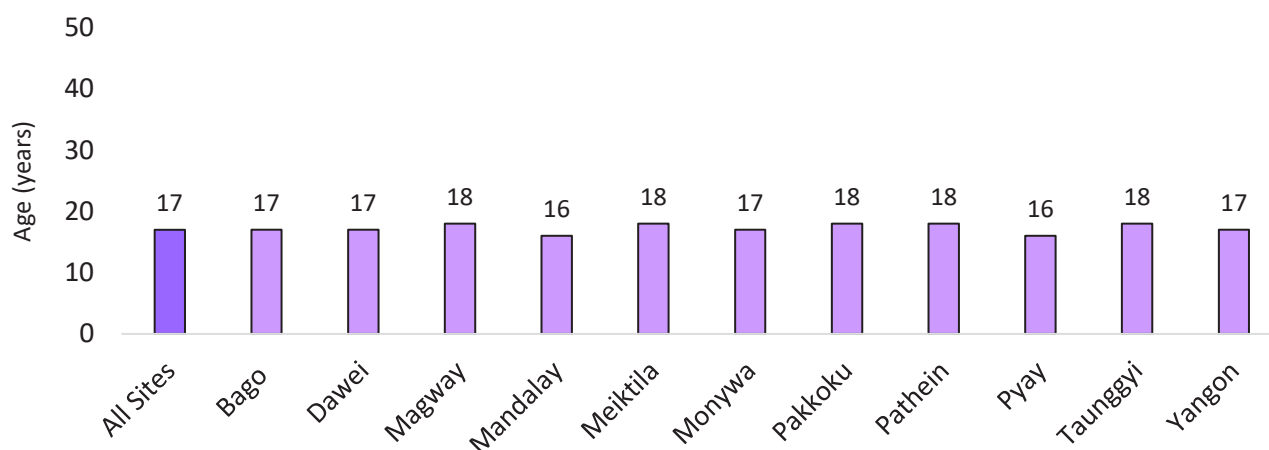
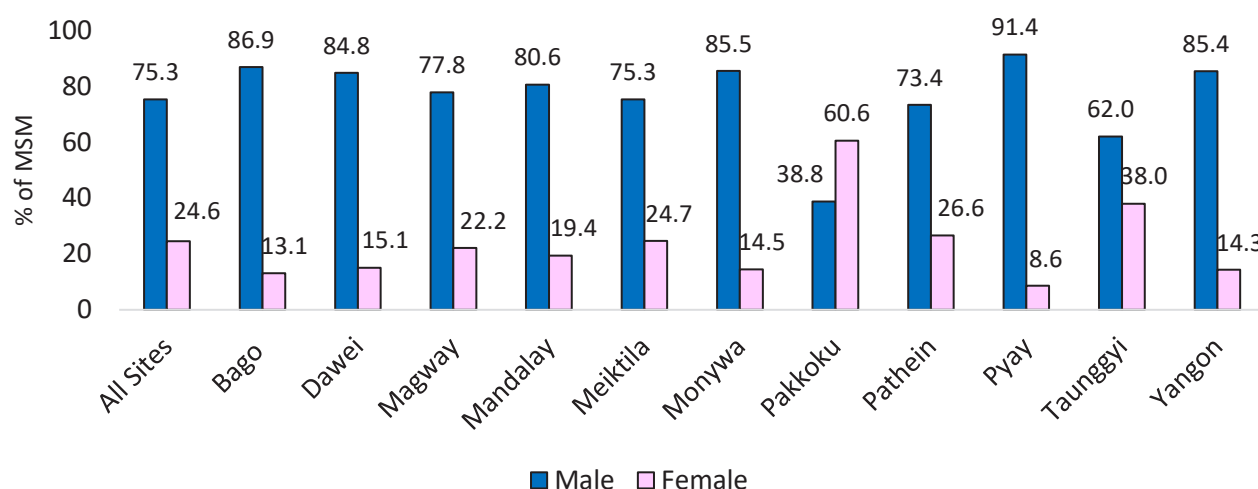
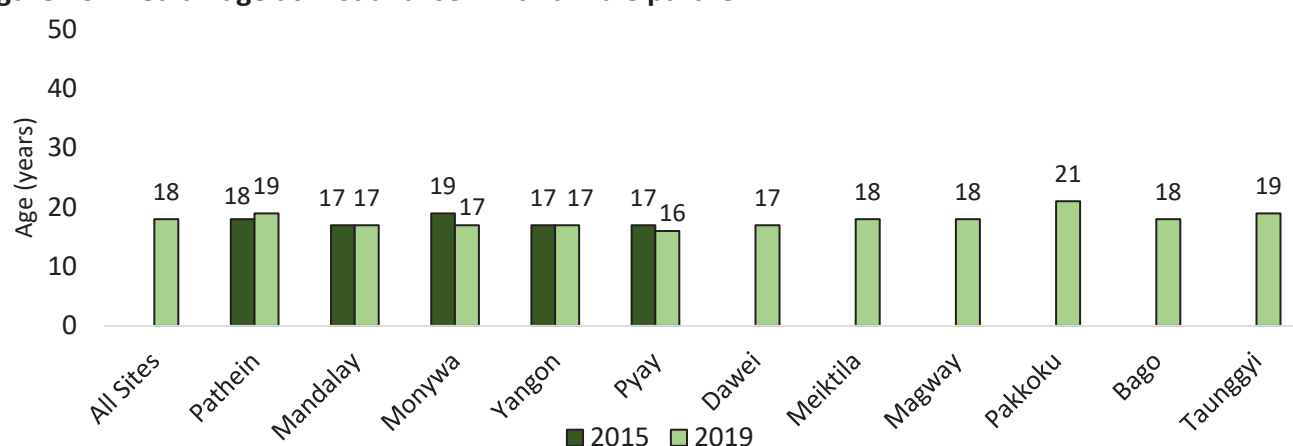
Figure 14. Median age at first vaginal or anal sex

Figure 15. Gender of first sexual partner^a

^aOverall, 3 participants did not answer

Figure 16. Median age at first anal sex with a male partner

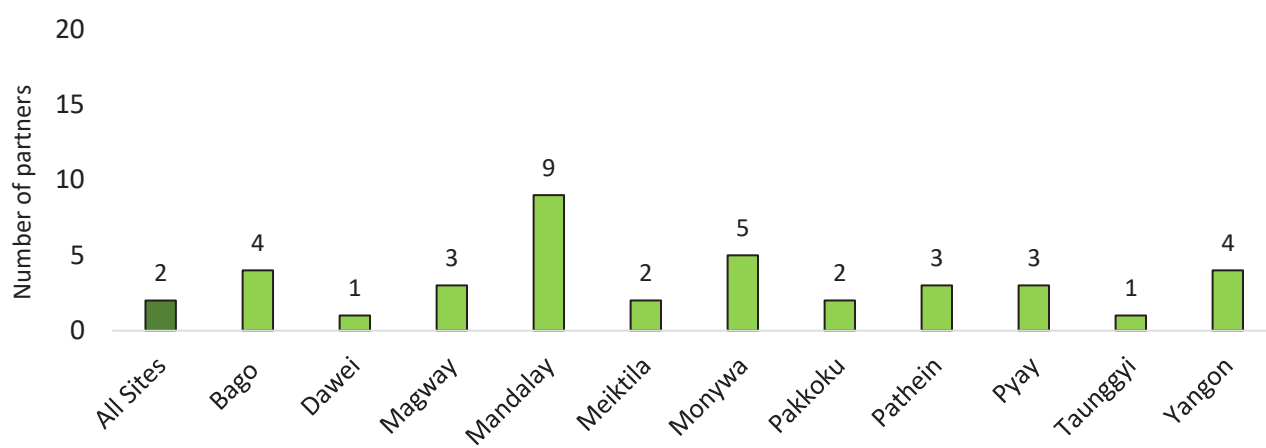
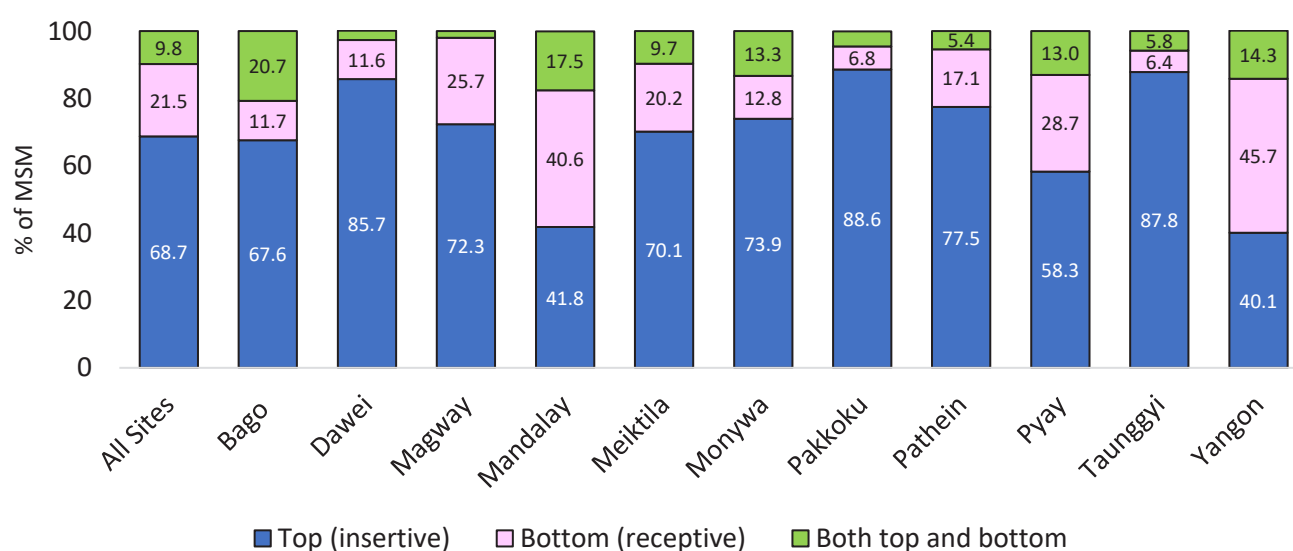
General sexual history

Overall, casual male partners were the most frequently reported type of male sex partner in the past 12 months (75.2%). Approximately 40.0% of MSM had regular male partners in the past 12 months, while 16.3% had commercial partners and 27.3% had two or more types of partners.

The median number of male partners that participants reported having anal sex with in the past 12 months was 2. The median number of male partners was lowest in Dawei and Taunggyi (both 1) and was highest in Mandalay (9). Overall, 68.7% of MSM reported usually having insertive anal sex in the last 12 months, 21.5% reported usually having receptive anal sex, and 9.8% reported usually having both insertive and receptive anal sex. The proportion of MSM who reported usually having receptive anal sex in the last 12 months ranged from 6.4% in Taunggyi to 45.7% in Yangon.

Table 5. MSM partner types, overall

Partner type	Percent of MSM
Regular male partner	40.9 %
Casual male partner	75.2 %
Commercial male partner	16.3 %
Two or more types of partners	27.3 %

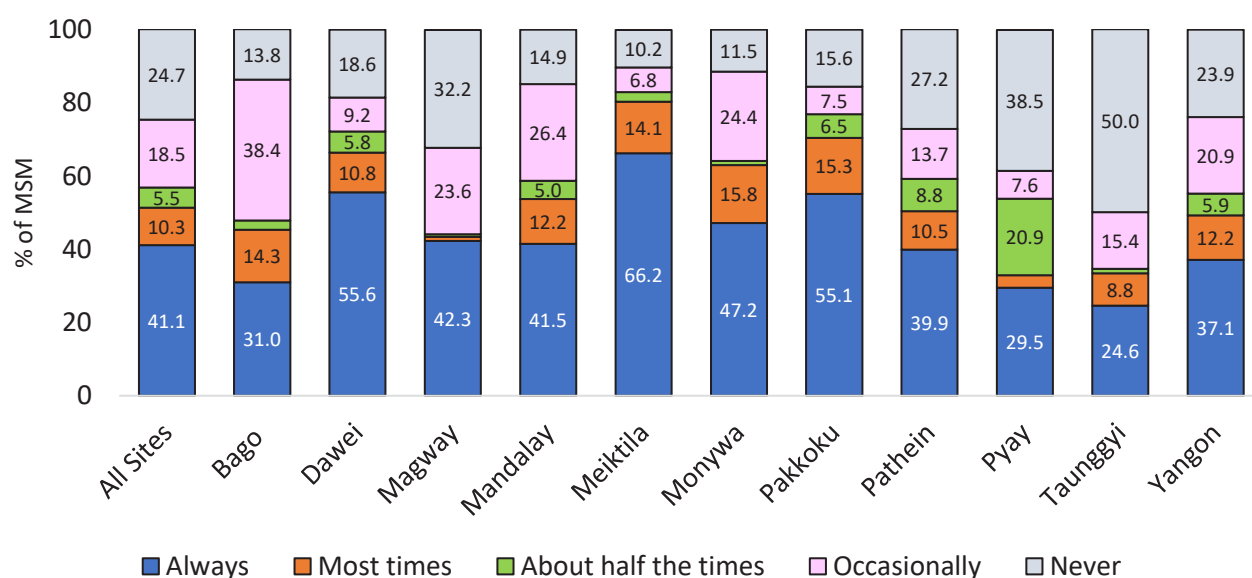
Figure 17. Median number of male partners with whom participant had anal sex with in past 12 months**Figure 18. Frequency of sex positions during anal sex in past 12 months****General condom use history**

Overall, 41.1% of MSM reported always using a condom during anal sex in the past 12 months, 10.3% reported using a condom most of the time, 5.5% reported using a condom about half of the time,

18.5% reported using a condom occasionally, and 24.7% reported never using a condom. The proportion of MSM who reported always using a condom during anal sex in the last 12 months ranged from 24.6% in Taunggyi to 66.2% in Meiktila. In addition to asking MSM how often they used condoms during anal sex, frequency of condom use was also assessed in a combined analysis of condom use with specific partner types. Results of this analysis show that, overall, 26.7% of MSM always used a condom with all partner types. The proportion of MSM who always used a condom with all partner types was lowest in Yangon (13.0%) and highest in Pakkoku (39.4%). Consistent condom use with all partner types was between 24.0% and 31.0% in all age categories.

Among those who did not use a condom at last anal sex, 47.3% of MSM reported that the reason for not using a condom was that a condom was not easily available. The consolidated analysis of reasons for not using condoms at last sex across all partner types showed that, overall, MSM most commonly reported not using a condom because condoms were not easily available (45.2%), both partners did not like condoms (27.8%) or the participant did not think it was necessary (26.1%).

Figure 19. Frequency of condom use during anal sex in past month*



*Denominator is number of participants who had anal sex with a male partner in the past month (n = 4,773)

Figure 20. Percent of MSM who consistently used condoms with all partner types

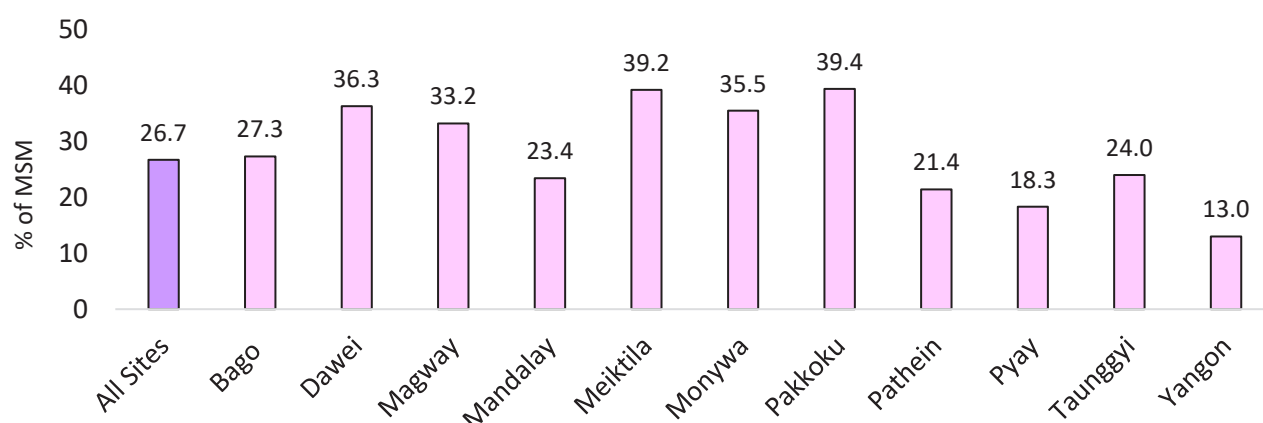


Table 6. Percent of MSM who consistently used condoms with all partner types, by age group

Age group	Percent of MSM
15-19	28.8
20-24	23.6
25-29	25.9
30-34	26.3
35-39	28.9
≥40	31.2

Table 7. Consolidated analysis of reasons for not using a condom at last sex across all partner types

Reason for not using condom	Percent of MSM
Not easily available	45.2
Both don't like to use it	27.8
Don't think it is necessary	26.1
I don't like to use it	21.0
Don't think of it/forgot	20.9
I know this partner well	16.8
Was under the influence of alcohol/drug	15.6
Sex partner doesn't like to use it	10.8
Expensive	0.5

Group sex and social media use

Over 10.0% of MSM reported having ever engaged in group anal sex (range: 1.9% in Dawei to 18.6% in Mandalay). Approximately 25% of MSM overall did not use a condom during situations of group sex. The proportion of MSM who did not use condoms during group sex was particularly high in Taunggyi (60.6%). Overall, 54.7% changed condoms with every partner, 14.3% used a condom with some partners only and 3.8% used one condom with multiple partners in situations of group sex.

MSM were also asked to report which social media applications they used. Overall, participants most commonly reported using Facebook or Facebook Messenger, Viber or no social media application. Facebook or Facebook Messenger was the most commonly reported application in all sites by a large margin.

Figure 21. Proportion of MSM who had ever had group anal sex

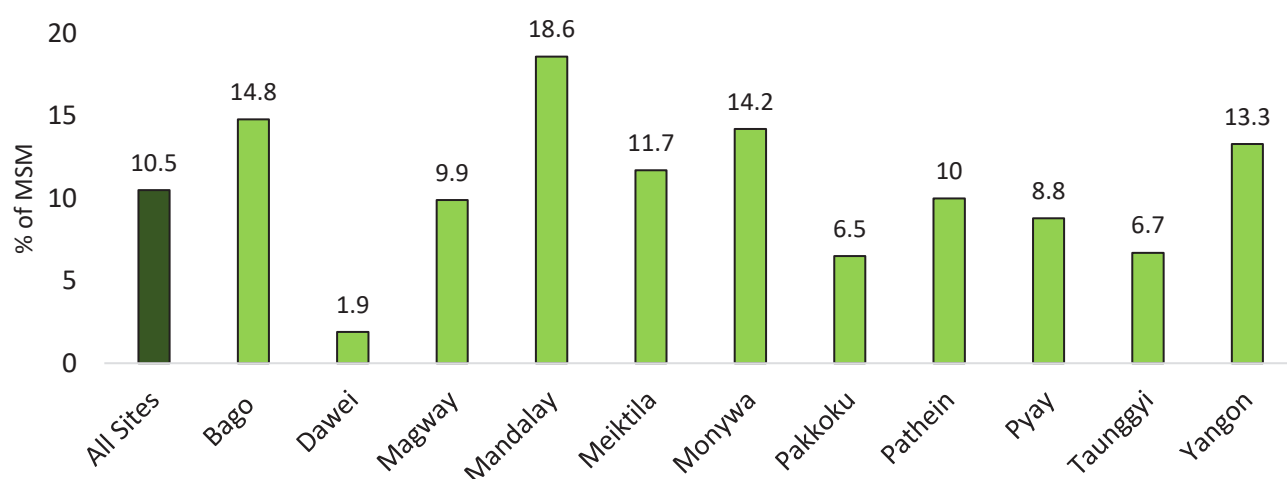
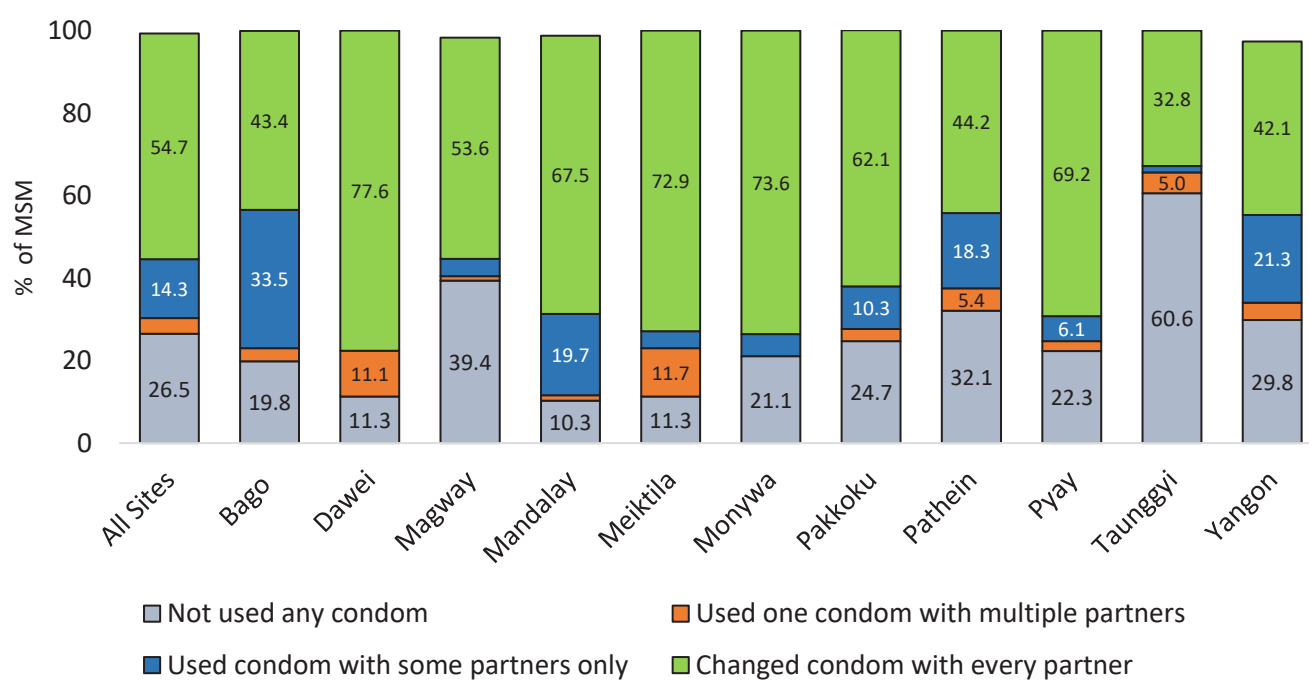
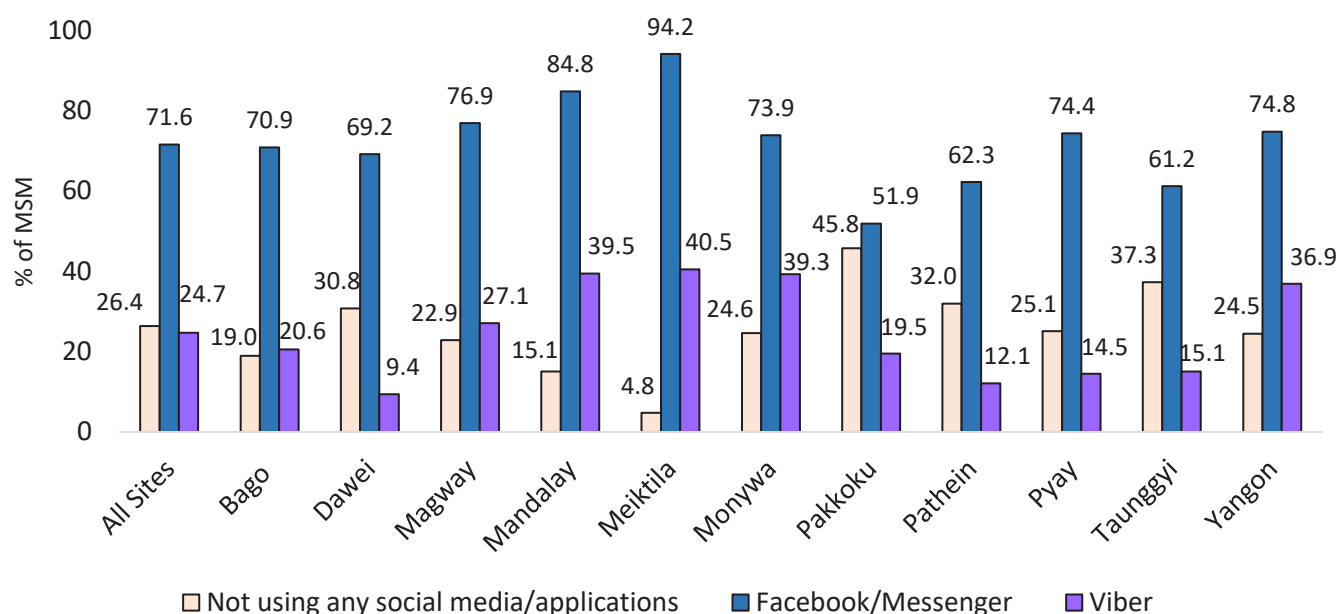


Figure 22. Frequency of condom use in situations of group anal sex^{*a}



^{*}Denominator is number of participants who ever had group anal sex (n = 771)

^aOverall, 0.8% of participants answered "don't remember"

Figure 23. Social media applications used among MSM^{a,b}

^aOverall, 3 participants did not answer

^bMultiple choices possible; figure displays three most commonly reported in combined (all sites) analysis

Regular male partners

Overall, 41.4% of MSM had ever had a regular male partner (range: 17.3% in Pakkoku to 66.0% in Yangon). The number of regular male partners in the past 12 months was generally low; less than 10% of MSM had three or more regular male partners in the preceding year. The median number of regular male partners in the past 12 months was one in all sites with the exception of Bago, in which the median number of male partners was 4. Most participants (52.0%) reported usually having insertive anal sex with their regular male partner in the last 12 months, while 36.1% reported usually having receptive anal sex and 11.9% reported usually having both insertive and receptive anal sex. The proportion of MSM who reported usually having receptive anal sex with their regular partner ranged from 18.2% in Taunggyi to 50.7% in Mandalay.

Approximately half of MSM (52.9%) reported using a condom at last sex with a regular male partner. Condom use at last sex with a regular partner was lowest in Pyaw (18.4%) and highest in Meiktila (77.9%). The proportion of MSM who used a condom at last sex with a regular partner was lower in 2019 compared to 2015 in all sites included in both surveys. The largest differences were observed in Pyaw (57.0% in 2015 vs. 18.4% in 2019) and Mandalay (81.0% in 2015 vs. 52.5% in 2019). Among those who did not use a condom at last sex with a regular male partner, the most frequently reported reasons were that both the participant and partner did not like condoms (36.7%) and that the participant knew the partner well (32.8%).

Figure 24. Percent of MSM who ever had a regular male partner

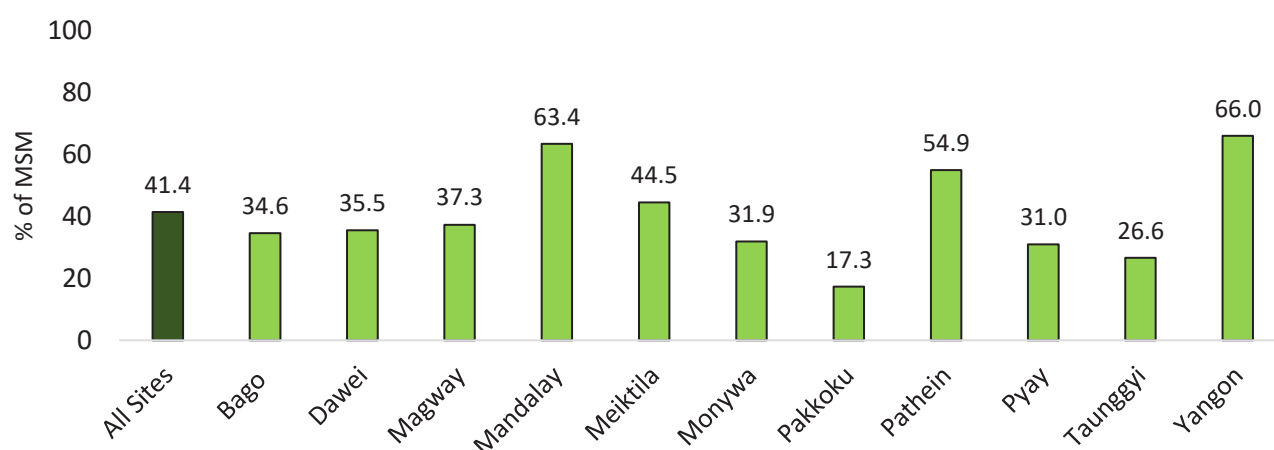


Figure 25. Median number of regular male partners in past 12 months

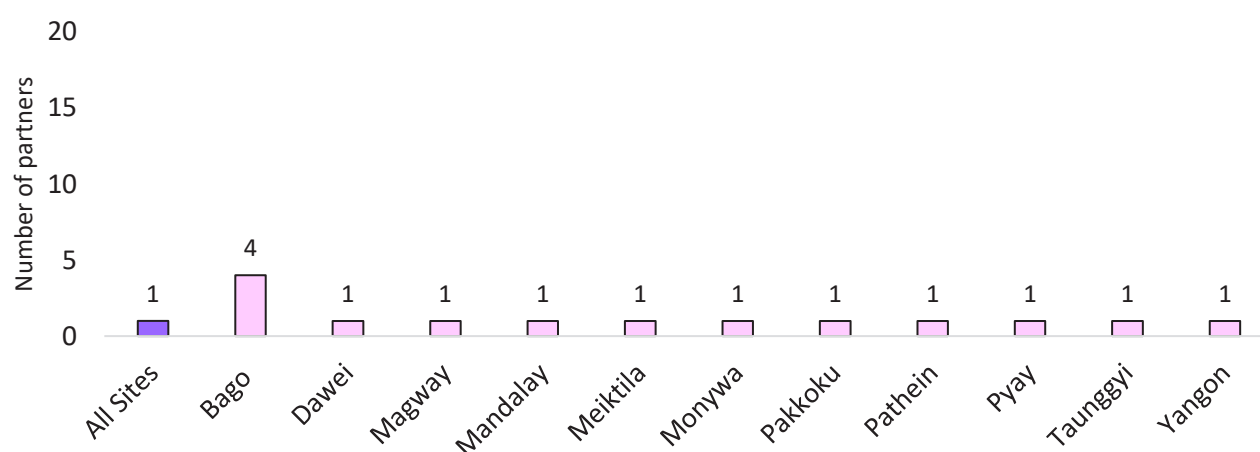


Figure 26. Regular male partners in past 12 months

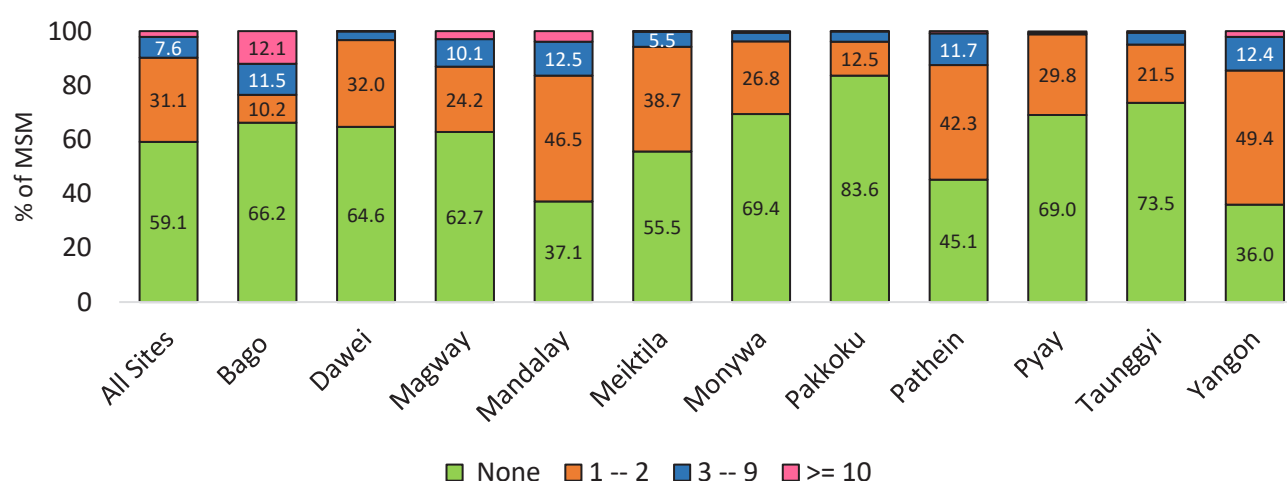
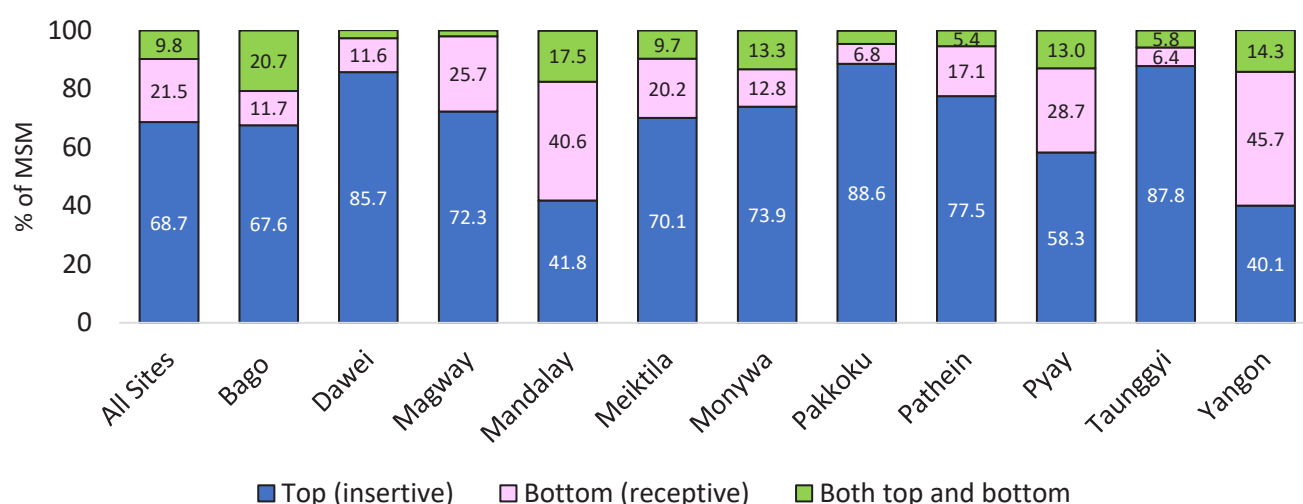
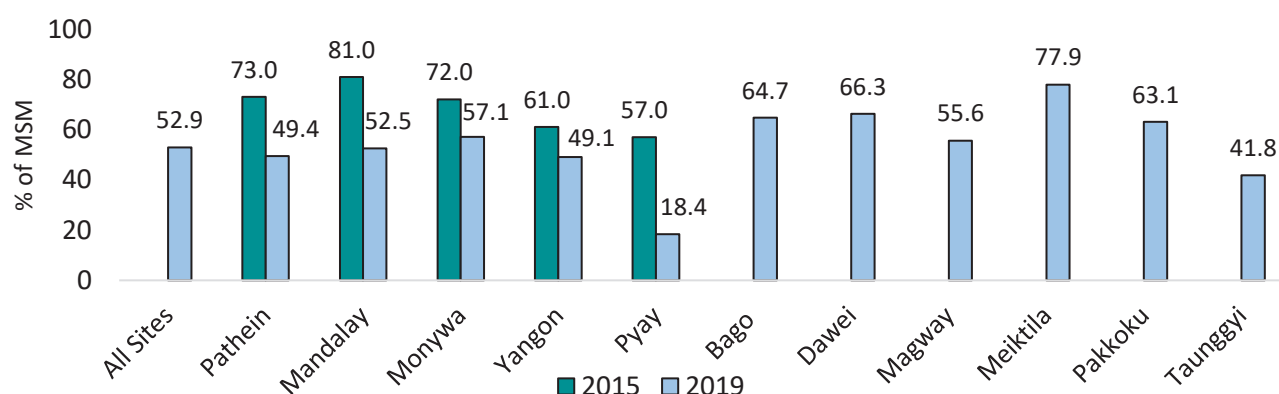


Figure 27. Usual sex position with regular male partners*

*Denominator is the number of participants who had a regular male partner (n = 2,580)

Figure 28. Percent of MSM who used condom at last sex with a regular male partner*^a

*Denominator is the number of participants who had a regular male partner (n = 2580 for 2019)

^aOverall, 0.1% of participants did not answer in 2019

Casual male partners

Casual male partners were appreciably more common than regular male partners, with 78.4% of MSM overall reporting having ever had a casual male partner. Overall, the median number of casual male partners in the past 12 months was 3 and ranged from 1 in Dawei and Taunggyi to 10 in Mandalay. The median number of casual male partners was lower in 2019 compared to 2015 in all five sites that were sampled in both surveys, with the greatest difference observed in Pyaw (15 in 2015 vs. 5 in 2019). Most MSM (71.9%) reported usually having insertive anal sex with casual partners, while 19.5% reported usually having receptive anal sex with casual partners and 8.6% reported usually having both insertive and receptive anal sex. The proportion of MSM who usually had receptive anal sex with casual partners ranged from 4.9% in Pakkoku and Taunggyi to 51.0% in Yangon.

Over half of MSM reported using a condom at last sex with a casual male partner (61.4% overall). However, this proportion ranged from 39.6% in Taunggyi to 79.3% in Mandalay. Compared to 2015, 2019 survey results show a decrease in the proportion of MSM who reported using a condom at last sex with a casual male partner. The largest decreases were observed in Patheingyi (85.0% in 2015 vs. 53.3% in 2019) and Pyaw (78.0% in 2015 vs. 46.3% in 2019).

Among those who did not use a condom at last sex with a casual male partner, the most frequently reported reasons were that condoms were not easily available (58.7%) and that the participant did not like to use condoms (22.4%).

Figure 29. Percent of MSM who ever had a casual male partner

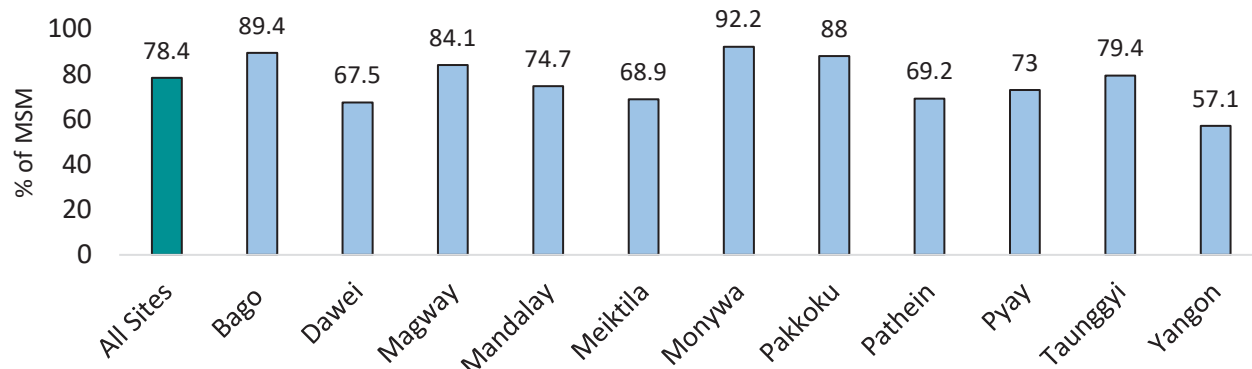


Figure 30. Median number of casual male partners in past 12 months

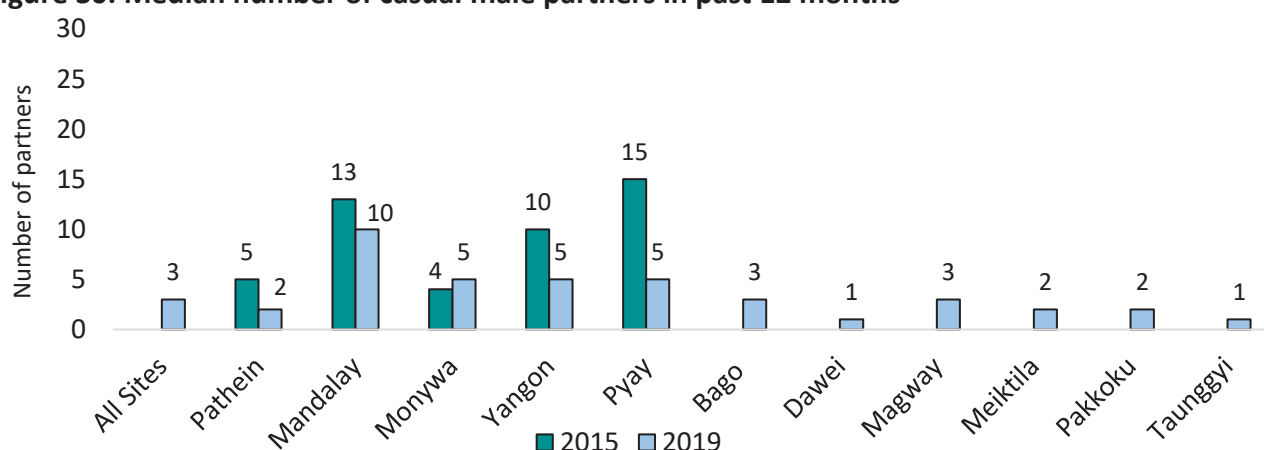
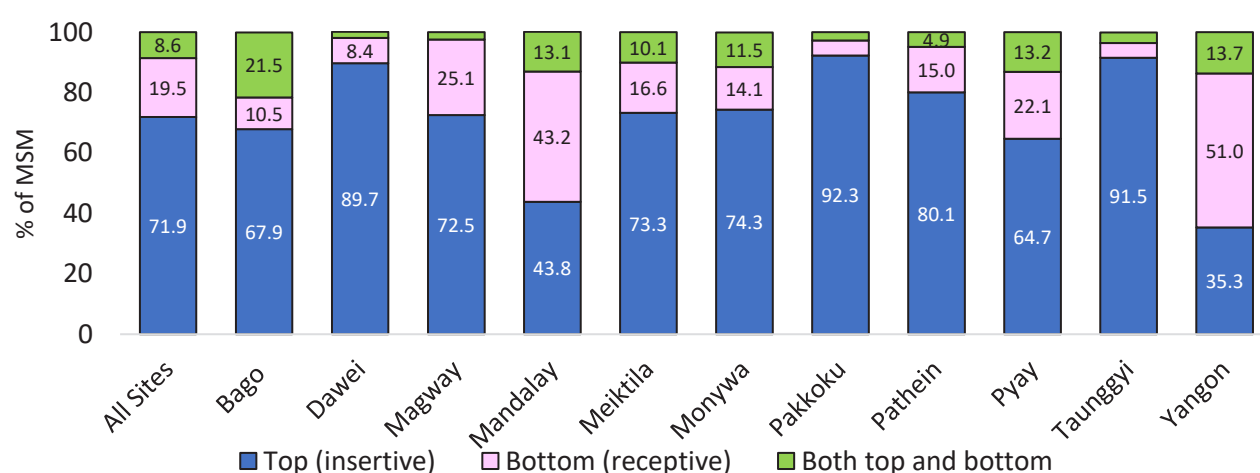
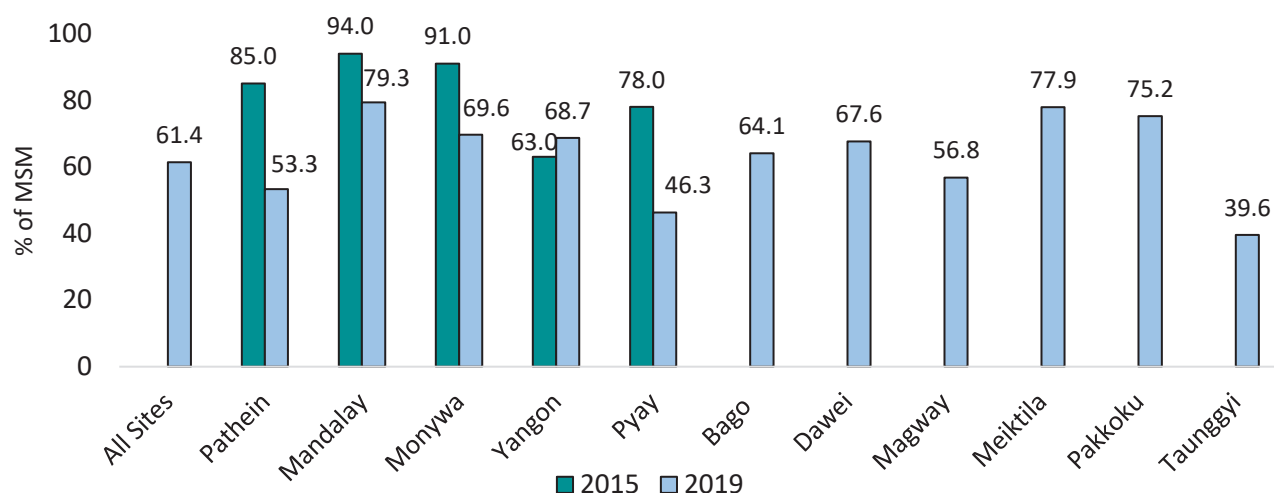


Figure 31. Usual sex position with casual male partners*



*Denominator is the number of participants who had 1 or more casual male partners (n = 4,810)

Figure 32. Percent of MSM who used condom at last sex with a casual male partnera**

*Denominator is the number of participants who had 1 or more casual male partners (n = 4,810 in 2019)

^aOverall, 2 participants did not answer in 2019

Female partners

Over 20% of MSM had ever had a regular female partner overall, with up to 47.2% reporting having female partners in Pakkoku. The proportion of MSM who ever had a casual female partner was 8.7% overall (range: 0.0% in Dawei to 35.3% in Pakkoku). However, the median number of both regular and casual female partners in the past 12 months was 0. Generally, condom use at last sex was appreciably more common with casual partners compared to regular partners. The proportion of MSM who reported using a condom at last sex with a regular female partner was 26.9% overall and ranged from 8.4% in Pyaw to 100.0% in Dawei. The proportion of MSM who reported using a condom at last sex with a casual female partner was 59.9% overall and ranged from 38.8% in Taunggyi to 100.0% in Dawei.

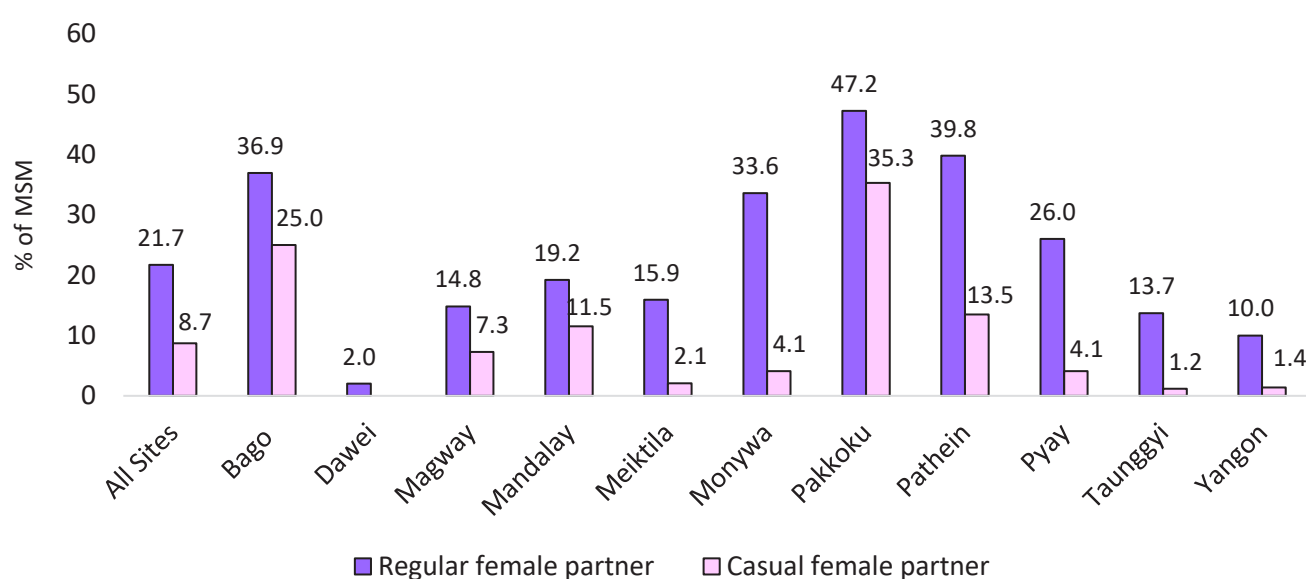
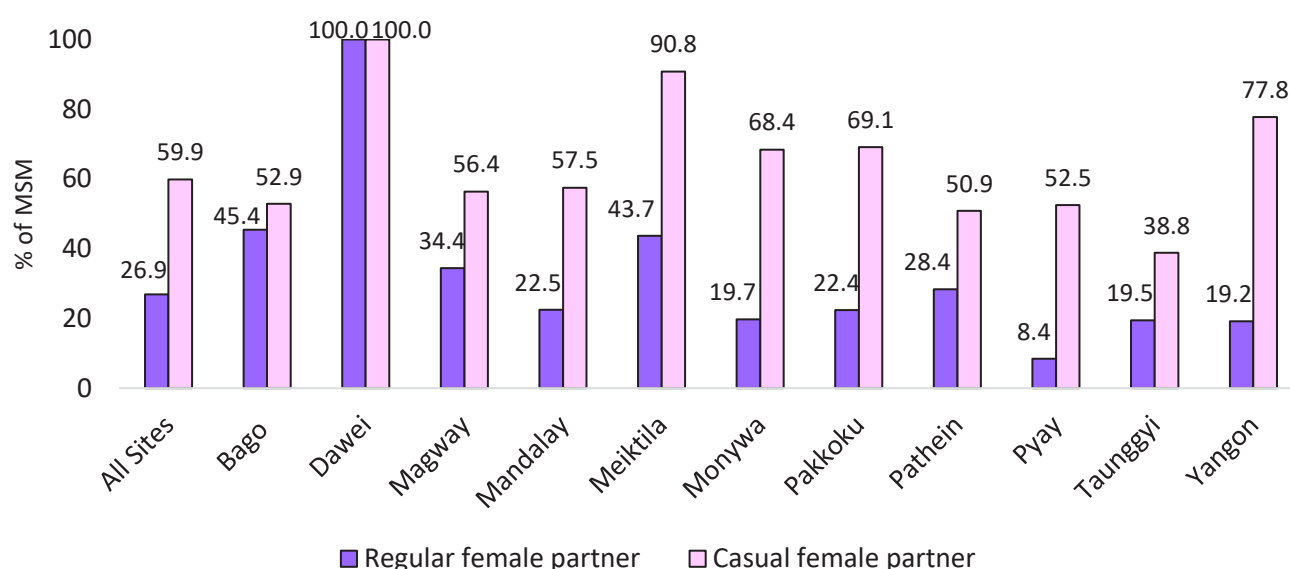
Figure 33. Percent of MSM who ever had a female partner

Figure 34. Percent of MSM who used condom at last sex with a female partnera**

*Denominator is the number of participants who had a regular female partner (n = 1,416) or casual female partner (n = 569)

^aOverall, 0.3% of participants did not answer for regular female partners and one did not answer for casual female partners

Commercial sex partners

Overall, 13.6% of MSM had ever sold sex to a male partner. However, selling sex to male partners was appreciably higher in certain sites including Mandalay and Yangon, where 35.4% and 27.6% of MSM had sold sex to male partners, respectively. Overall, the median number of partners who gave the participant money or gifts in exchange for anal sex in the last 12 months was 2 and was below 10 in all sites with the exception of Pyaw. Although the proportion of MSM who reported selling sex in Pyaw was low (less than 3.0%), the median number of partners who gave MSM money or gifts in exchange for anal sex was 57 in the last 12 months. Buying sex from commercial male partners was less common than selling sex, with only 5.4% of MSM having ever given money or gifts in exchange for anal sex.

Overall, most MSM (approximately 70.0%) used a condom at last sex with both types of commercial male partners. However, the proportion of MSM who used a condom at last sex with a commercial male partner was low (under 50.0%) in certain sites including Magway and Taunggyi.

Approximately 10% of MSM had ever paid a female partner for sex overall, although up to 26.4% and 38.4% had paid female partners for sex in Monywa and Pakkoku, respectively. Only 1.0% overall had received money or gifts from a female partner. Overall, 82.9% of MSM used a condom at last sex with a female partner from whom they bought sex, and 56.5% used a condom at last sex with a female partner from whom they received money in exchange for sex.

Figure 35. Percent of MSM who ever had a commercial male partner

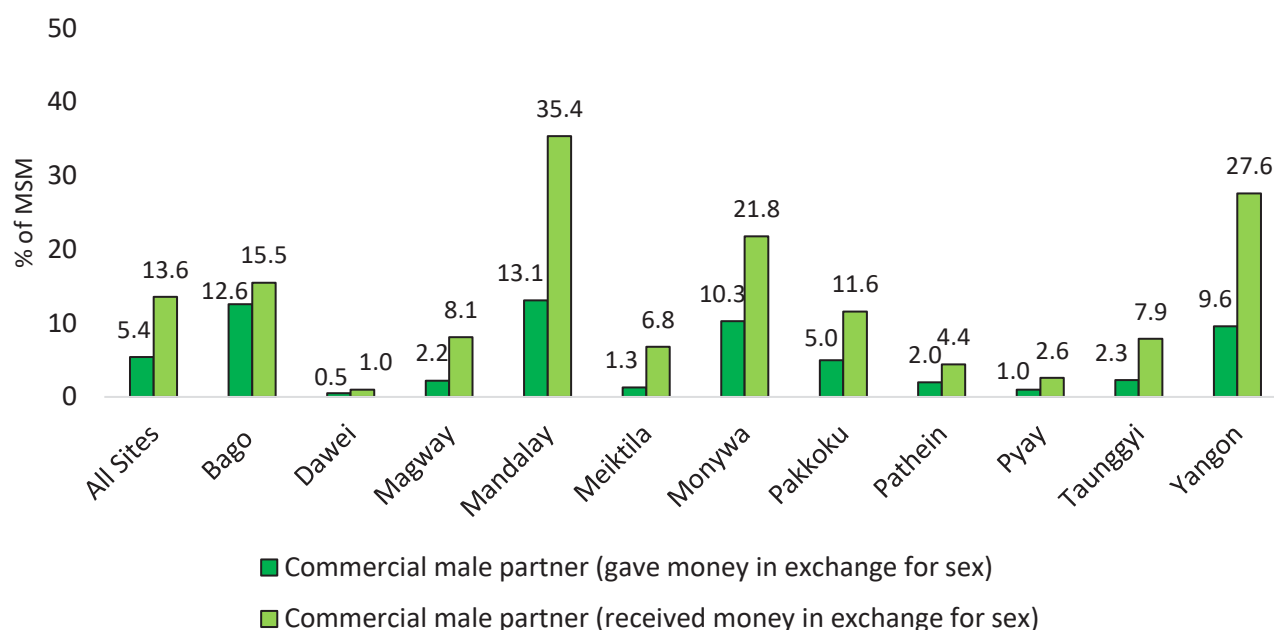


Figure 36. Percent of MSM who ever had a commercial female partner

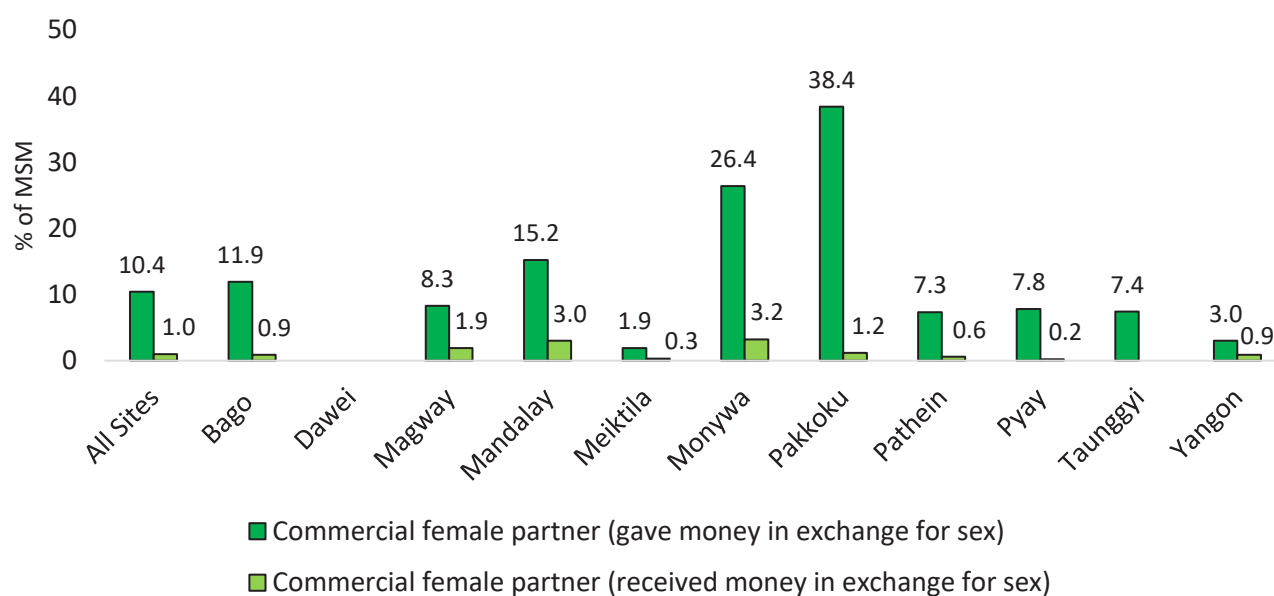
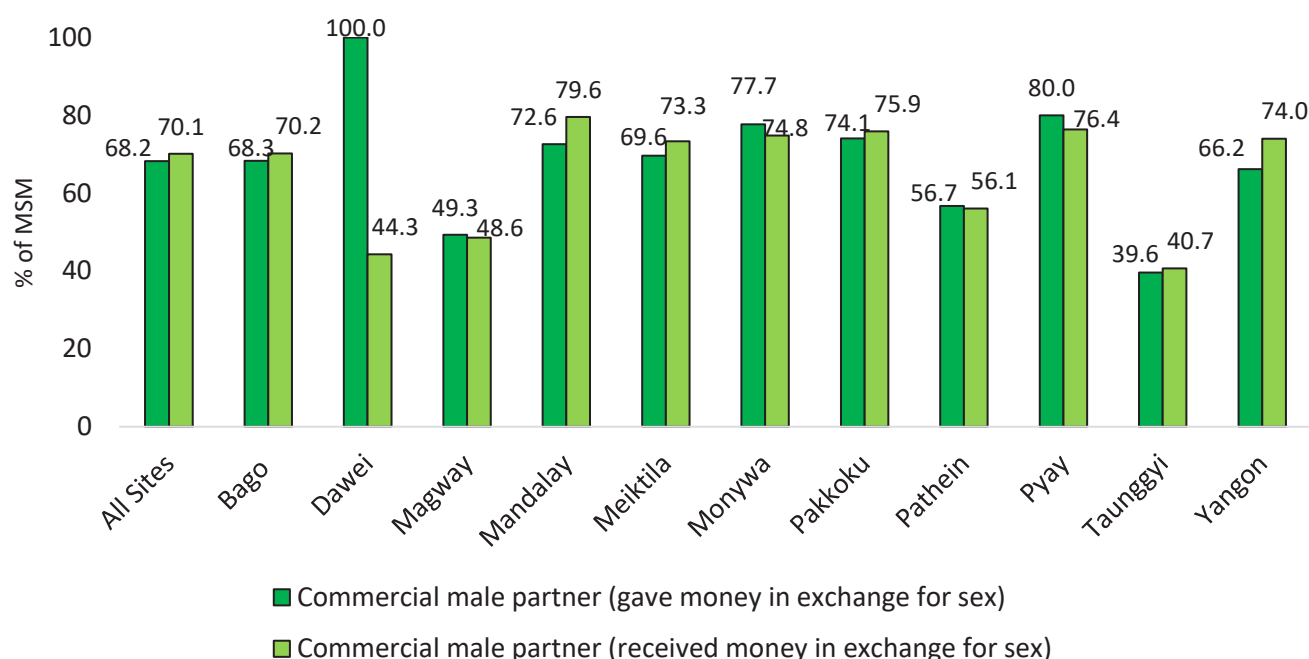


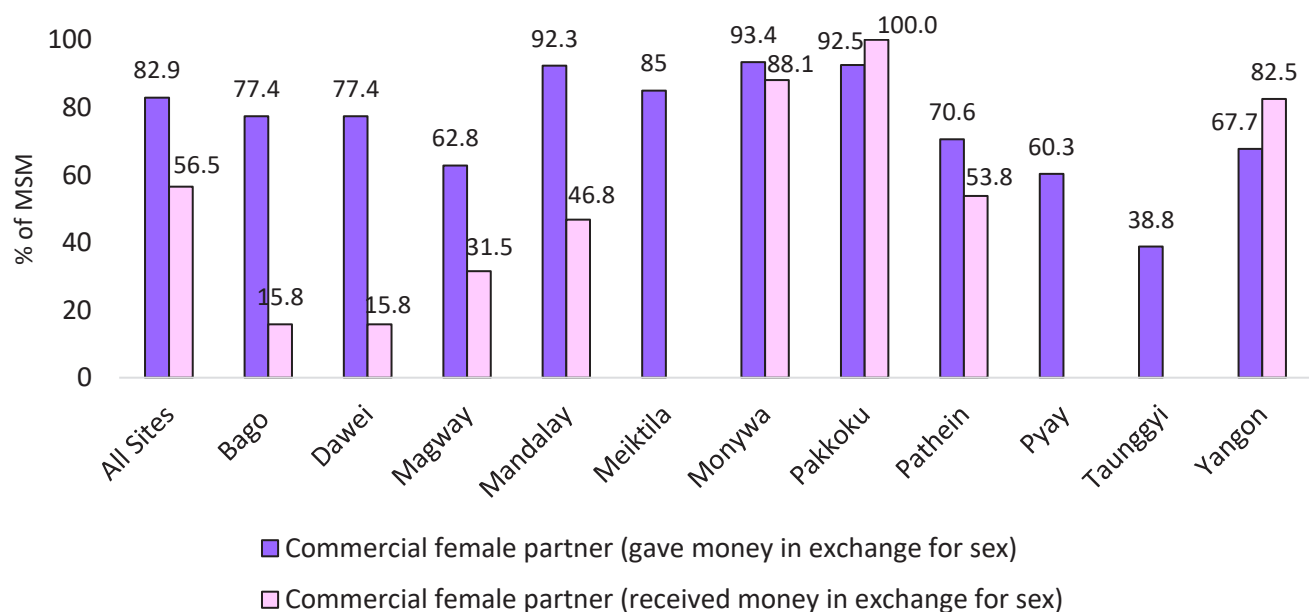
Figure 37. Percent of MSM who used condom at last sex with a commercial male partner*^a



*Denominator is the number of participants who had bought sex ($n = 401$) or sold sex ($n = 939$) with male partners

^aOverall, 0.8% and 0.3% of participants did not answer for buying and selling sex, respectively

Figure 38. Percent of MSM who used condom at last sex with a commercial female partner*^a



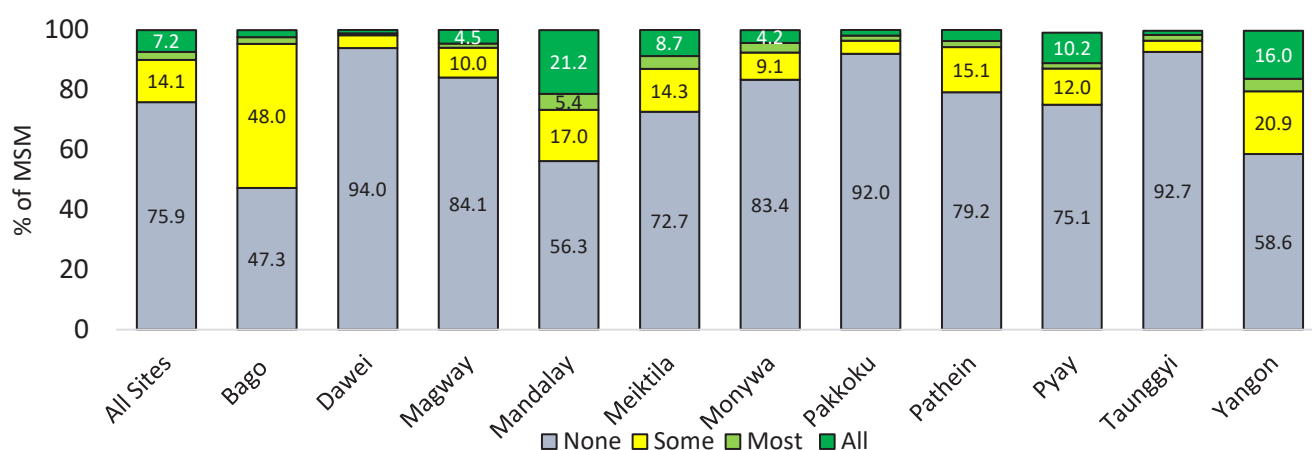
*Denominator is the number of participants who had bought sex ($n = 682$) or sold sex ($n = 73$)

3.5. Stigma, discrimination, and violence

Disclosure of MSM identity

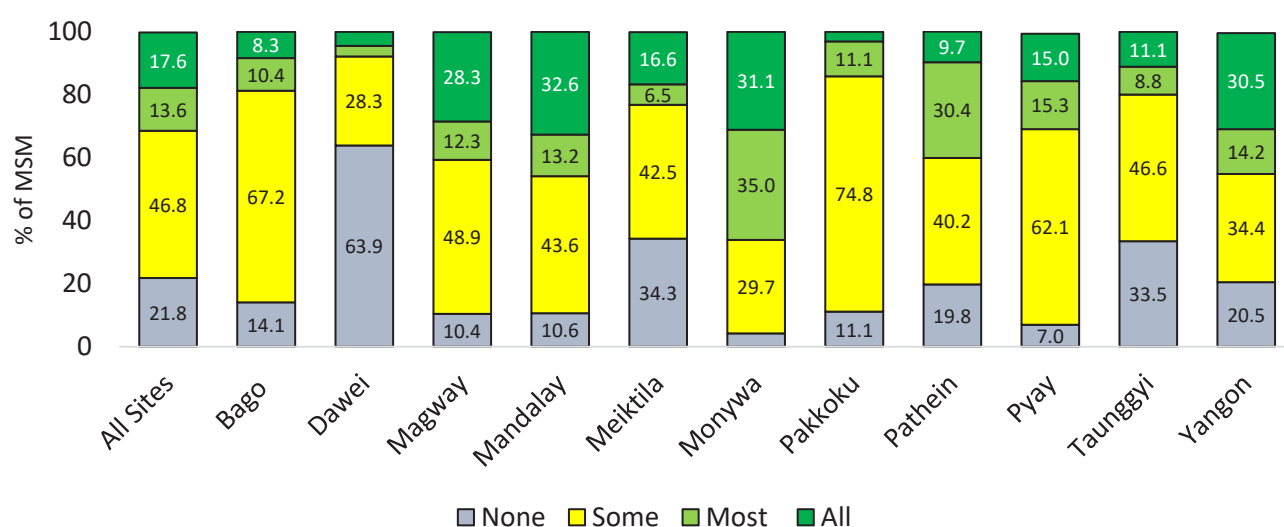
The extent to which MSM have disclosed their sexual identity to friends and family can be a useful characteristic when assessing MSM's access to HIV prevention messaging and willingness to access healthcare. In the current survey, disclosure varied across survey sites and MSM more commonly reported disclosing their sexual identity to close friends when compared to family members. These trends were consistent with results of the 2015 survey. Overall, 75.9% of MSM had not disclosed their identity to family members. Over 90% of MSM had not disclosed their identity to family members in several sites including Dawei, Pakkoku and Taunggyi. Disclosure to close friends was more common, although variations were observed between sites. Monywa and Yangon had high proportions of MSM who reported that most or all of their close friends were aware of their sexual identity, while nearly 95% of MSM in Dawei reported that none of their close friends were aware of their sexual identity.

Figure 39. Portion of family members who are aware of participant's MSM identity^a

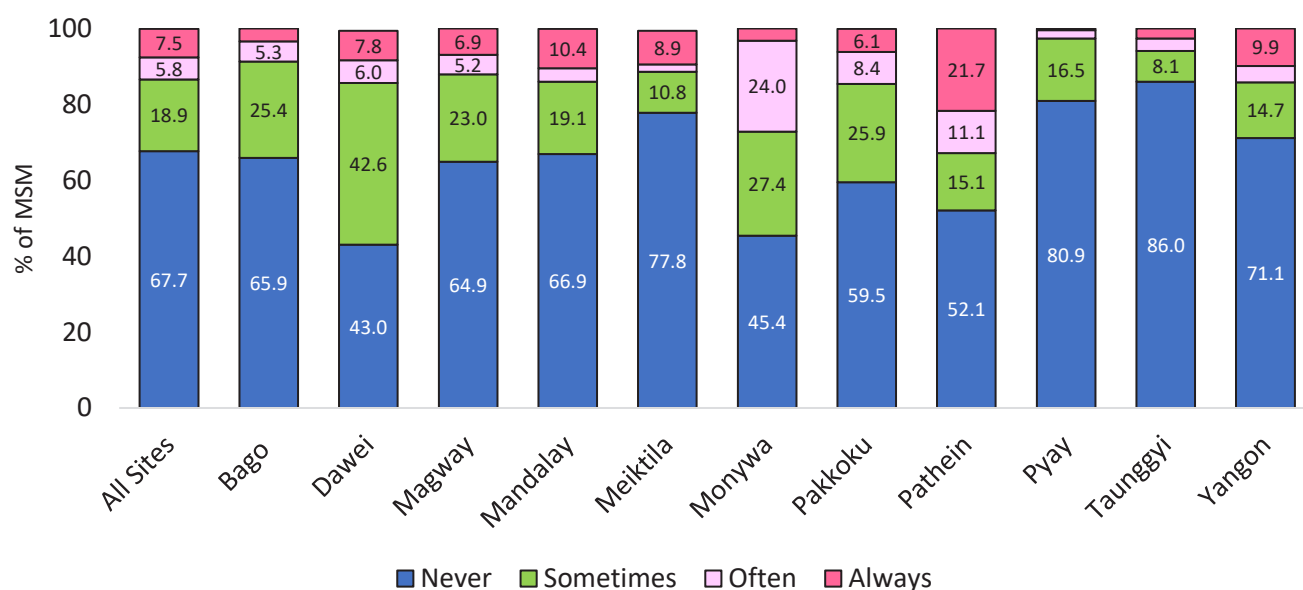


^aOverall, 0.2% of participants did not answer

Figure 40. Portion of close friends who are aware of participant's MSM identity^a



^aOverall, 0.1% of participants did not answer

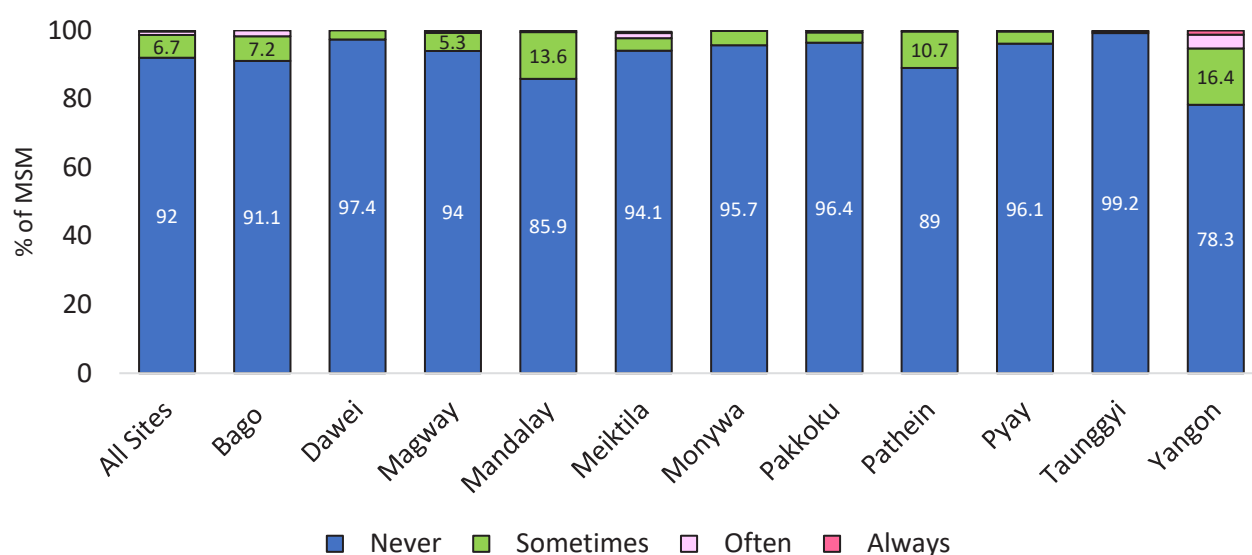
Figure 41. Frequency of having to hide MSM identity in past 12 months^a

^aOverall, 0.1% of participants did not answer

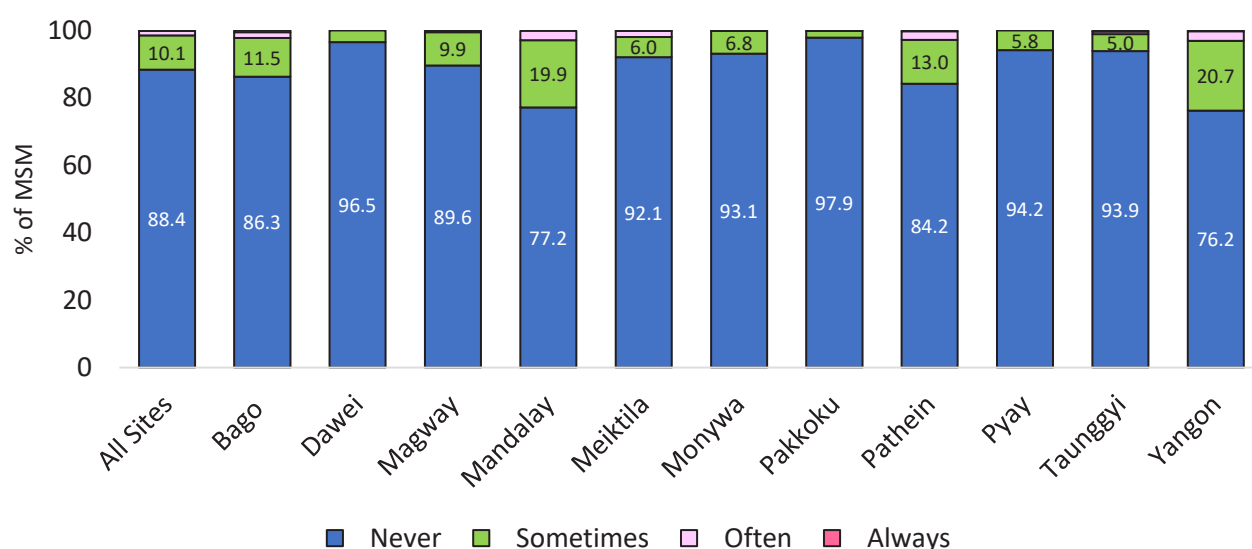
Violence

The majority of MSM reported that they had never experienced physical violence in the last 12 months due to their KP status (92% overall). Over 75% of MSM had never experienced physical violence in all sites. The proportion of MSM who reported that they had sometimes experienced physical violence was 6.7% overall and ranged from 0.4% in Taunggyi to 16.4% in Yangon. A very small proportion of participants reported that they often or always experienced physical violence (1.0% and 0.3% overall, respectively).

Generally, the frequency of being forced to have sex in the last 12 months was similar to the frequency of physical violence, although a higher proportion of MSM indicated that they had sometimes been forced to have sex in most sites. Overall, 88.4% reported that they had never been forced to have sex in the last 12 months and 10.1% reported that they were sometimes forced to have sex in the past 12 months. Pakkoku had the lowest proportion of participants reporting that they sometimes were forced to have sex (2.0%), while Yangon had the highest proportion of participants who were sometimes forced to have sex (20.7%). Both physical violence and forced sex were reported most frequently in Yangon.

Figure 42. Frequency of physical violence due to KP status in the past 12 months^a

^aOverall, 2 participants did not answer

Figure 43. Frequency of forced sex in the last 12 months

Stigma and discrimination

Most MSM reported that they had never been harassed by police or authorities in the last 12 months due to their KP status (89.1% overall). The proportion of MSM who had sometimes been harassed by police or authorities was 8.1% overall; Dawei had the lowest proportion of participants reporting being harassed sometimes, while Mandalay had the highest proportion (23.1%). Overall, 1.9% and 1.0% of MSM reported being harassed by police or authorities often and always, respectively, although the proportions were noticeably higher in Monywa, in which 9.1% and 7.4% reported being harassed often and always, respectively.

Approximately 85% of MSM reported that they were never afraid of seeking healthcare services in the past 12 months due to their KP status, although this proportion ranged across sites. Monywa had the lowest proportion of MSM reporting that they never experienced fear of seeking healthcare services (68.9%), while Pyaw had the highest proportion of MSM who had never experienced fear of seeking

healthcare services (96.4%). Fear of seeking healthcare services was reported more frequently in Monywa, in which 25.7% of MSM reported that they sometimes feared seeking healthcare. Overall, 1.9% and 1.2% of MSM reported often or always having fear of seeking healthcare services, respectively.

Most participants had never experiencing rejection by friends or family due to their KP status in the past 12 months (90.1% overall); over 70% reported having never being rejected in all sites. The proportion of MSM who reported sometimes experiencing rejection was 6.5% overall and was below 15% in all sites. Overall, 1.4% and 2.0% of MSM reported often and always being rejected by friends or family due to their KP status, respectively.

Figure 44. Proportion of MSM who had been harassed by police or other authorities because of KP status in last 12 months

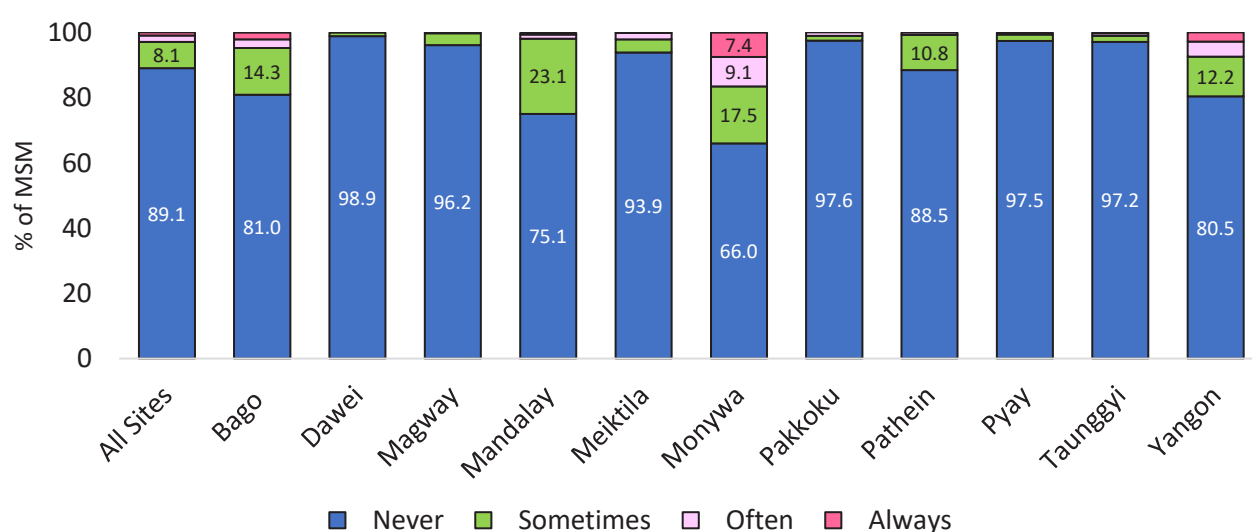


Figure 45. Proportion of MSM who were afraid of seeking health care because of KP status in last 12 months

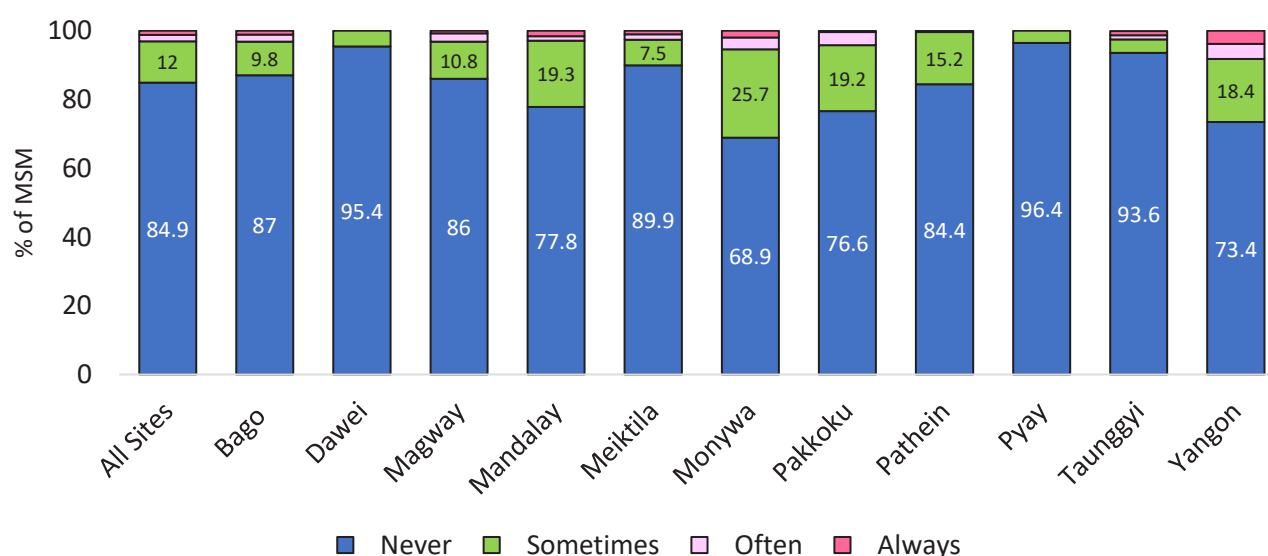
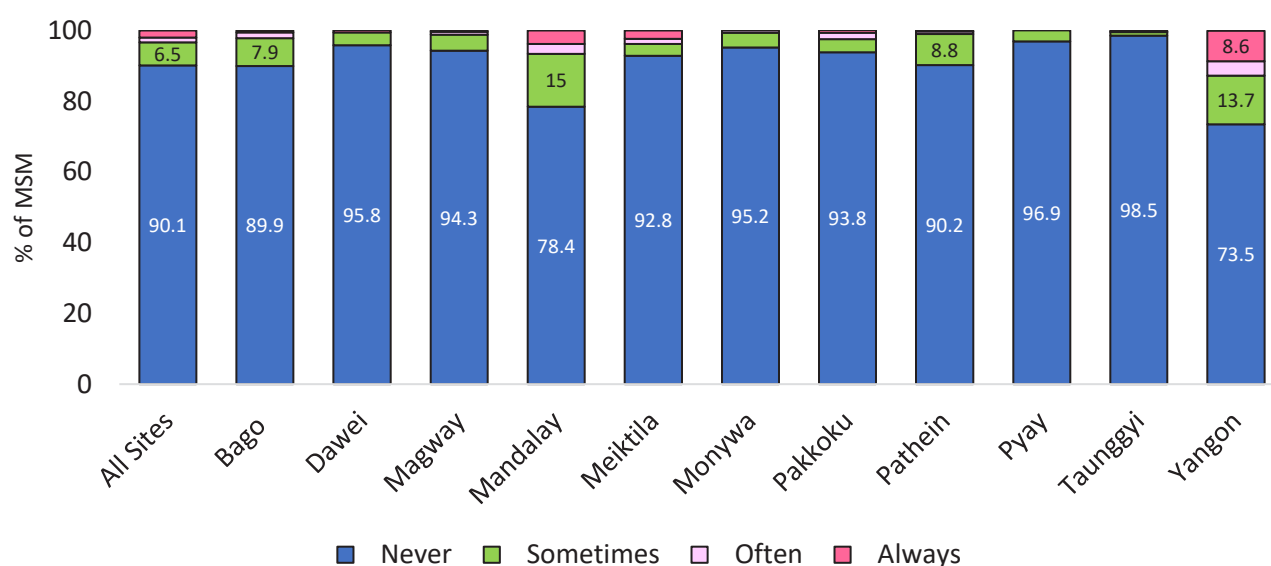


Figure 46. Proportion of MSM have been rejected by family because of KP status in last 12 months^a

^aOverall, 2 participants did not answer

Table 8. displays the frequency by which MSM experienced acts of stigma in the last 12 months, stratified by group identity. Generally, it was observed that Apwint MSM more frequently experienced acts of stigma compared to Apone and Tha Nge MSM. For example, 19.0% of Apwint MSM had sometimes experienced physical violence, compared to 8.0% and 4.0% of Apone and Tha Nge, respectively. Similarly, while over 90.0% of both Apone and Tha Nge MSM had never been harassed by police due to their KP status, over 25% of Apwint MSM had sometimes, often, or always been harassed by police. Similar trends were also observed when looking at the proportion of MSM who had been forced to have sex.

Table 8. Proportion of MSM who have experienced acts of stigma in last 12 months, by group identity

Experienced in last 12 months	Apwint (open)	Apone (hidden)	Tha Nge	All MSM excluding Tha Nge
Pretended that you do not identify as MSM in order to be accepted				
Never	82.4	61.8	65.9	72
Sometimes	9.9	19.4	20.1	14.7
Often	4.0	6.6	6.1	5.3
Always	3.6	12.2	7.2	7.9
Lost a job or career opportunity due to KP status				
Never	92.8	97.1	96.6	95
Sometimes	6.1	2.3	3.0	4.2
Often	0.8	0.4	0.3	0.6
Always	0.4	0.3	0.0	0.3
Afraid of seeking health care due to KP status				
Never	75.7	81.3	87.8	78.5
Sometimes	18.0	13.7	10.2	15.8

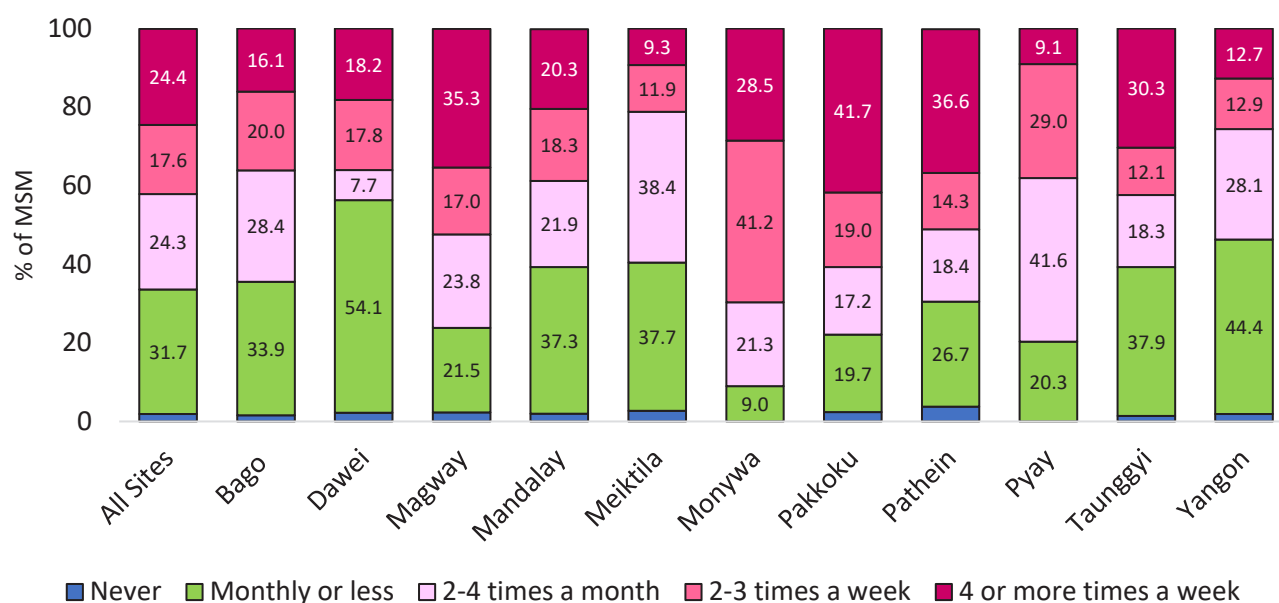
Often	3.7	2.4	1.4	3.1
Always	2.6	2.6	0.6	2.6
Rejected by family or relatives due to KP status				
Never	74.3	87.0	94.7	80.7
Sometimes	14.1	9.5	4.0	11.8
Often	5.1	1.0	0.7	3
Always	6.6	2.5	0.7	4.6
Experienced physical violence due to KP status				
Never	75.5	91.0	96.1	83.3
Sometimes	19.3	7.7	3.6	13.5
Often	3.9	1.1	0.4	2.5
Always	1.3	0.2	0.0	0.7
Forced to have sex				
Never	73.9	87.1	92.1	80.6
Sometimes	22.0	12.3	6.8	17.1
Often	3.7	0.6	1.0	2.1
Always	0.4	0.0	0.1	0.2
Harassed by police or other authorities due to KP status				
Never	72.5	92.0	92.3	82.3
Sometimes	18.1	6.3	6.2	12.1
Often	5.8	1.3	1.1	3.6
Always	3.6	0.4	0.5	2

3.6. Alcohol and drug-related risk behaviour

Alcohol

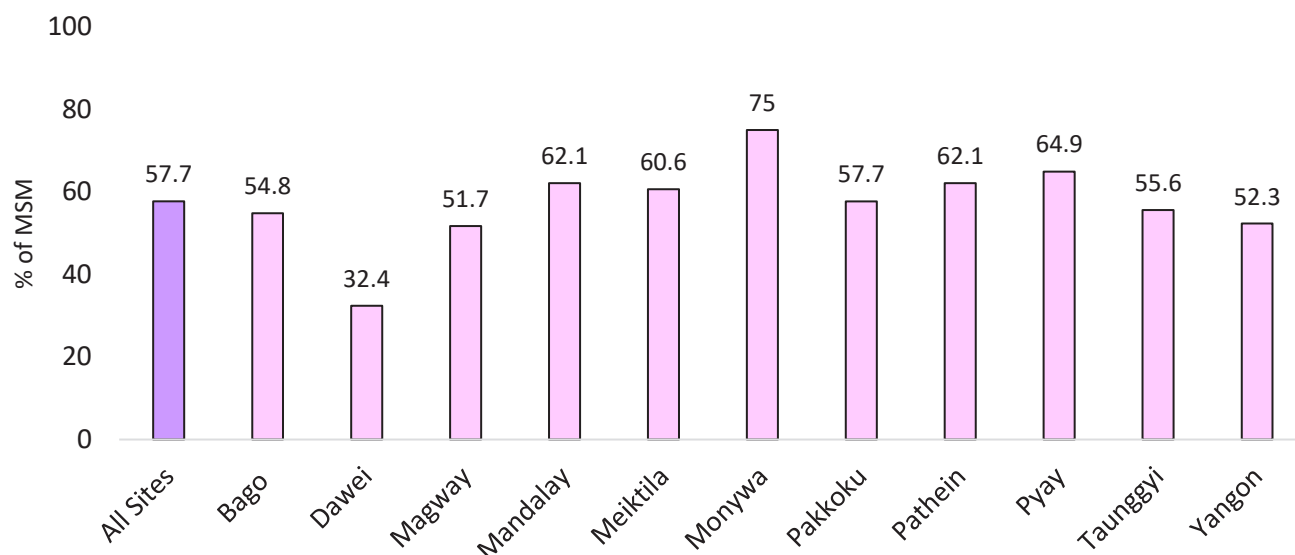
Approximately 75% of MSM had ever had any alcoholic drink. Of those, MSM most frequently reported having alcohol up to 2-4 times a month. However, the proportion of respondents reported having alcohol multiple times in a week was high in certain sites. In Pakkoku and Pathein, 41.7% and 30.3% of MSM, respectively, reported having alcohol four or more times a week.

Nearly 60% of those who had ever had an alcoholic drink reported having sex under the influence of alcohol in the past 12 months. This proportion had generally increased when compared to results of the 2015 IBBS, which showed that between 40.0% and 46.0% of MSM in all sites had sex under the influence of alcohol in the past 12 months. In Monywa, as high as 75.0% of MSM reported having sex while drunk. Additionally, an appreciable proportion of MSM did not always use a condom when having sex under the influence of alcohol. The proportion of MSM who reported never using a condom while drunk was 34.1% overall and was as high as 58.7% in Taunggyi.

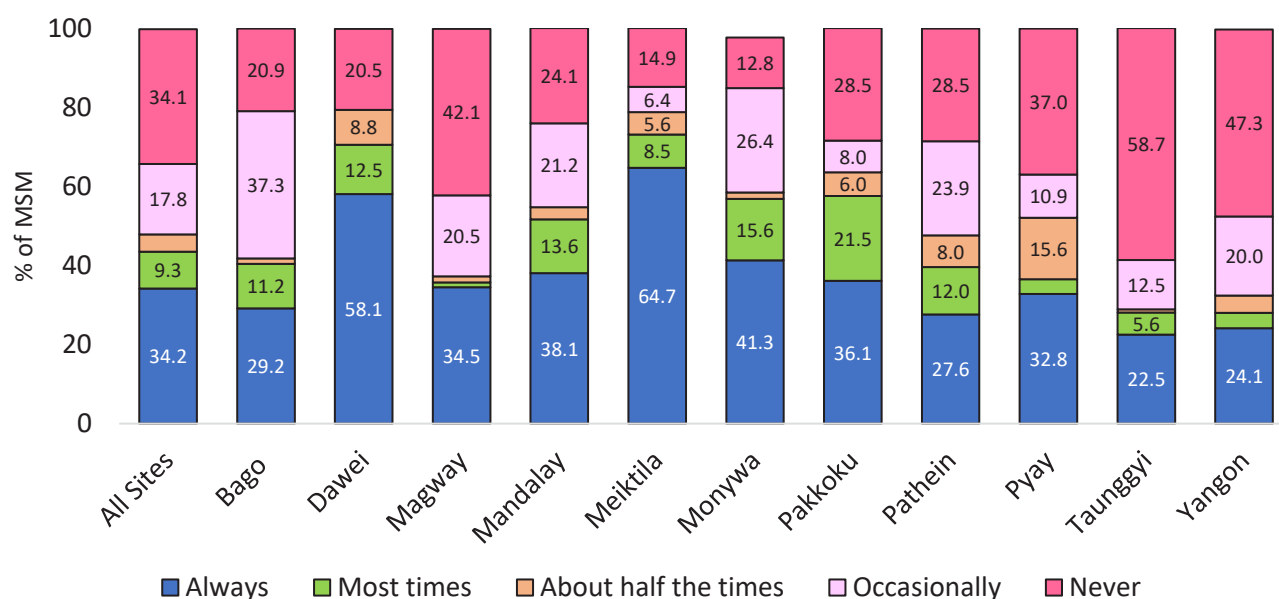
Figure 47. Frequency of alcohol use in the last 12 monthsa**


*Denominator is the number of participants who had ever had an alcoholic drink (n = 4696)

^aOverall, 1 participant did not answer

Figure 48. Percent of MSM who had sex under the influence of alcohol in the last 12 months*


*Denominator is the number of participants who had ever had an alcoholic drink (n = 4,696)

Figure 49. Frequency of condom use during sex under the influence of alcohol in the last 12 months^{*a}

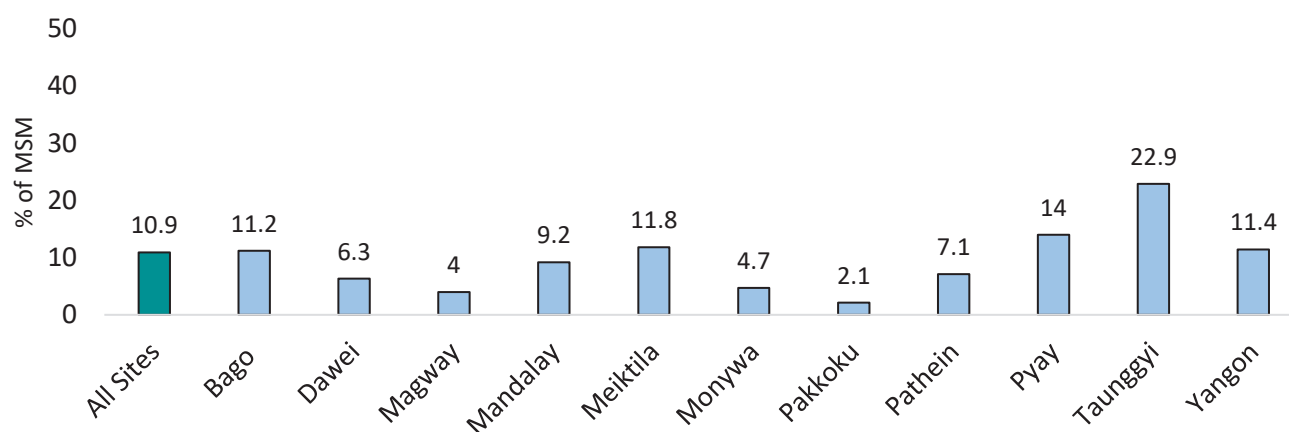
^{*}Denominator is the number of participants who had ever had sex under the influence of alcohol (n = 2,765)

^aOverall, 0.2% participant did not answer

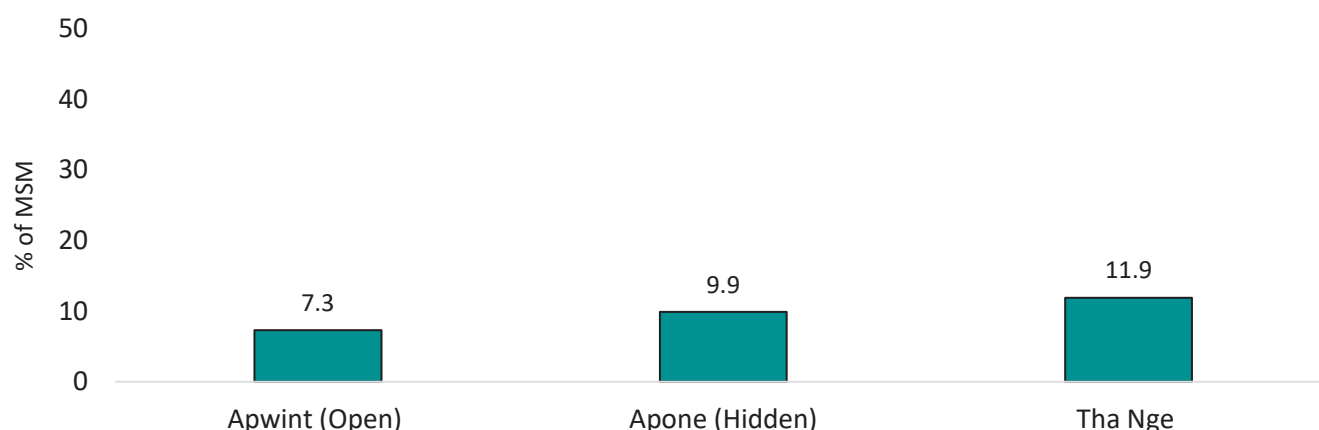
Non-medical drugs

Drug use for non-medical purposes in the past 12 months was reported by 10.9% of MSM overall and fewer than 12.0% of MSM in all sites with the exception of Taunggyi. Although 22.9% of MSM had used drugs in the past 12 months in Taunggyi, 98.4% of those respondents had used non-injection methods. Injection methods were similarly uncommon across all sites, with only 2.6% of MSM who had used drugs reporting use of injection methods, overall. Rates of injection drug use were also low in the 2015 IBBS and seem to have remained stable between survey years.

When stratified by group identity, non-medical drug use was reported by 7.0% of Apwint MSM, 10.0% of Apone MSM, and 12.0% of Tha Nge, overall. Given the small proportion of MSM who reported drug use, it is difficult to distinguish a trend in drug use by group identity.

Figure 50. Percent of MSM who had ever used drugs for non-medical purposes^a

^aOverall, 1.0% participant did not answer

Figure 51. Percent of MSM who had ever used drugs for non-medical purposes overall, by group identity

3.7. Condoms and lubricants

Condom accessibility and behaviors

Most MSM knew of a source from which one could obtain condoms (85.5% overall). Awareness of condom sources was highest in Pyay (95.6%) and lowest in Dawei (69.6%). When stratified by group identity, Apwint MSM most frequently identified drop-in centers as locations where one could obtain condoms (77.3%). Pharmacies were most frequently identified as locations where one could obtain condoms by both Apone (74.2%) and Tha Nge MSM (71.4%).

Overall, 60.4% of MSM reported always being able to obtain condoms when needed in the last 12 months, 10.2% reported mostly being able to obtain condoms when needed, 11.3% reported occasionally being able to obtain condoms when needed, and 15.3% reported never being able to obtain condoms when needed. The proportion of MSM who were only occasionally able to get condoms when needed ranged from 2.4% in Dawei to 36.0% in Bago, while the proportion of MSM who reported never being able to obtain condoms when needed ranged from 3.8% in Mandalay to 35.5% in Taunggyi. Compared to the 2015 IBBS results, the proportion of MSM who could always find condoms when needed had increased in Monywa, Patheingyi and Pyaw, which were the three smaller cities in which over half of MSM reported only sometimes being able to obtain condoms in the previous survey. The most frequently reported reasons for not being able to obtain condoms when needed were that condoms were not easily available (55.4%) and that the participant was embarrassed to get condoms (31.9%).

Overall, MSM most commonly obtained condoms for free from NGOs in the past 12 months (37.6%). The proportion of MSM who obtained condoms from NGOs was highest in Mandalay, Monywa and Yangon. In Meiktila, 44.0% of MSM reported primarily buying condoms themselves in the past 12 months. Overall, 59.1% of MSM preferred free condoms, 19.0% preferred branded condoms, and 17.0% did not have a preference. The majority of MSM preferred free condoms over branded condoms in all sites with the exception of Meiktila and Taunggyi.

Overall, 5.9% of MSM had ever used a female condom for anal sex. The proportion of MSM who had ever used a female condom for anal sex ranged from 0.5% in Pyaw to 14.9% in Magway.

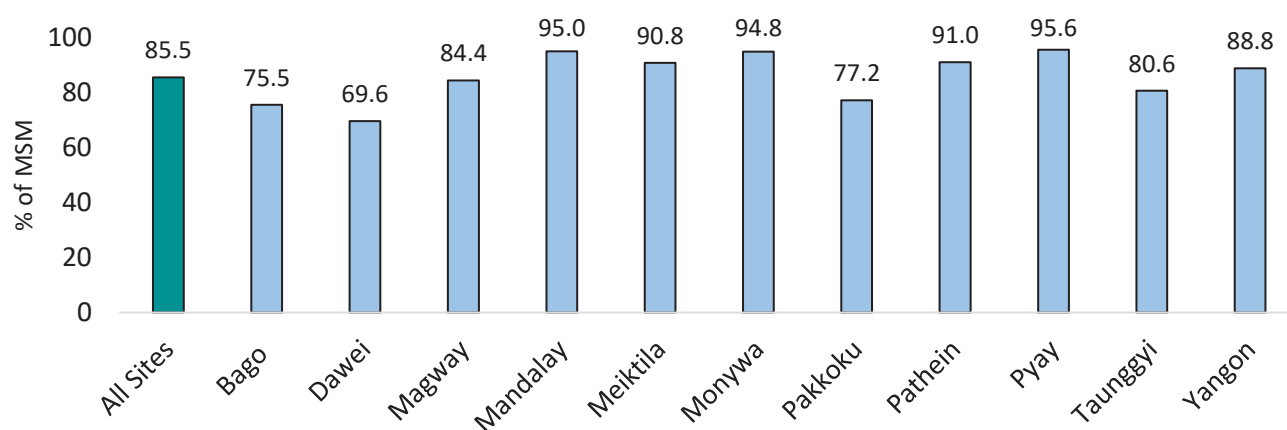
Figure 52. Proportion of MSM who knew of place or person from which one could obtain condoms^a

^aOverall, 1 participant did not answer

Table 9. Known sources of condoms among MSM^a

Condom source	Apwint (open)	Apone (hidden)	Tha Nge
Pharmacy	48.4	74.2	71.4
Store/shop	20.1	31.9	27.3
Drop-In center	77.3	49.2	32.8
Betel shop	17.7	18.9	19.9
Hospital/clinic/STD team	28.3	21.7	13.7
Karaoke/restaurant	2.5	2.5	1.9
Inn/ hotel/ motel/guesthouse	6.0	7.0	3.9
Outreach worker/health educator/BHS	41.7	25.5	17.8
Peer/friend	35.4	25.5	21.3
Other	0.2	0.2	1.0

^aMultiple choices possible

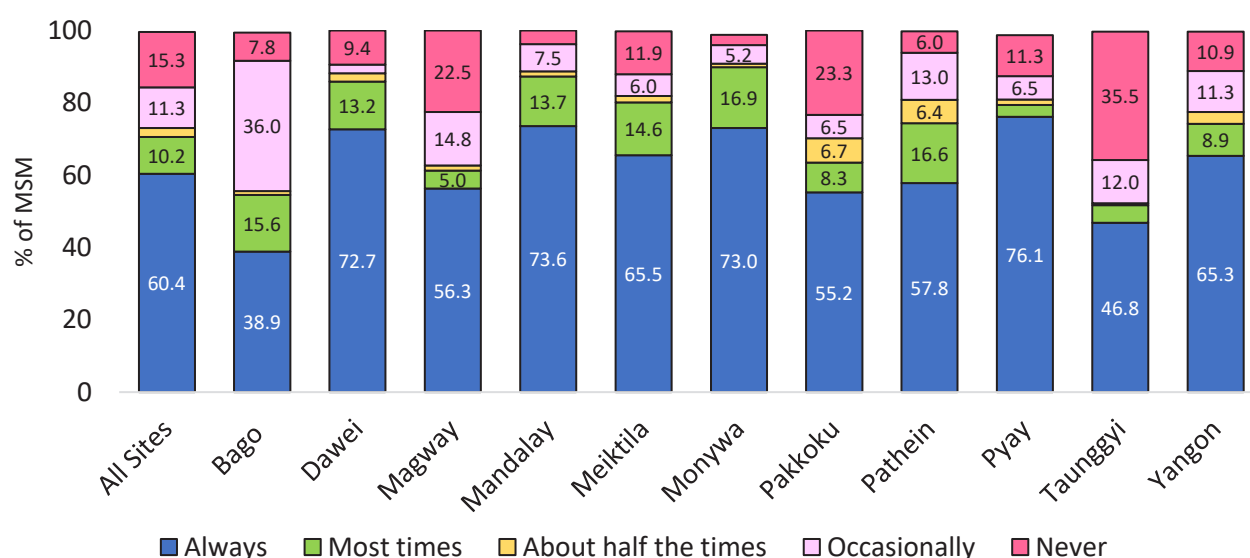
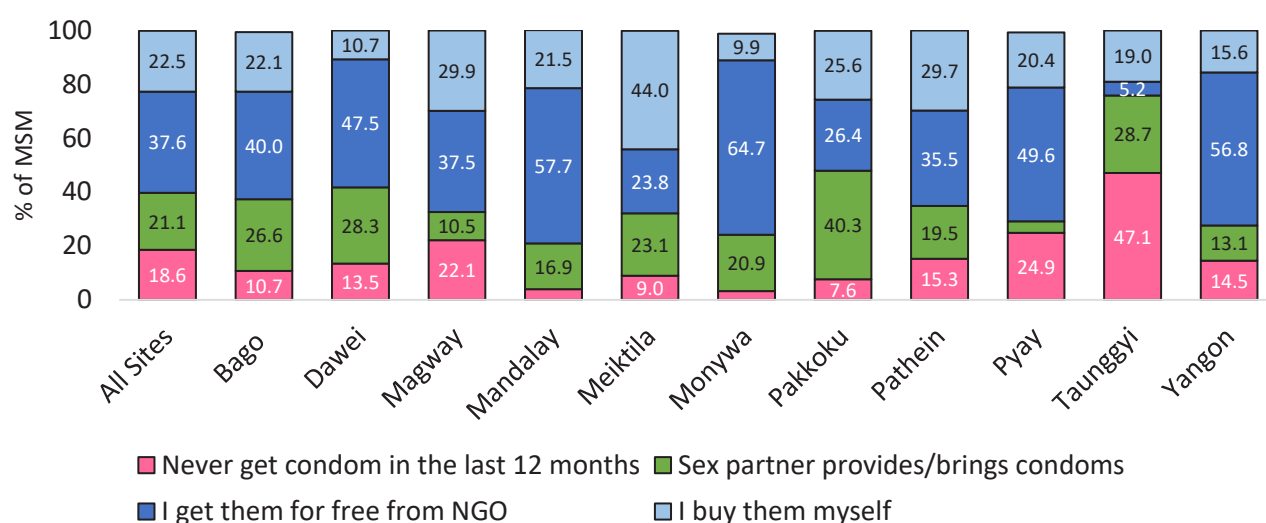
Figure 53. Frequency at which MSM were able to get condoms when needed in the last 12 months^a

^aOverall, 0.3% of participants did not answer

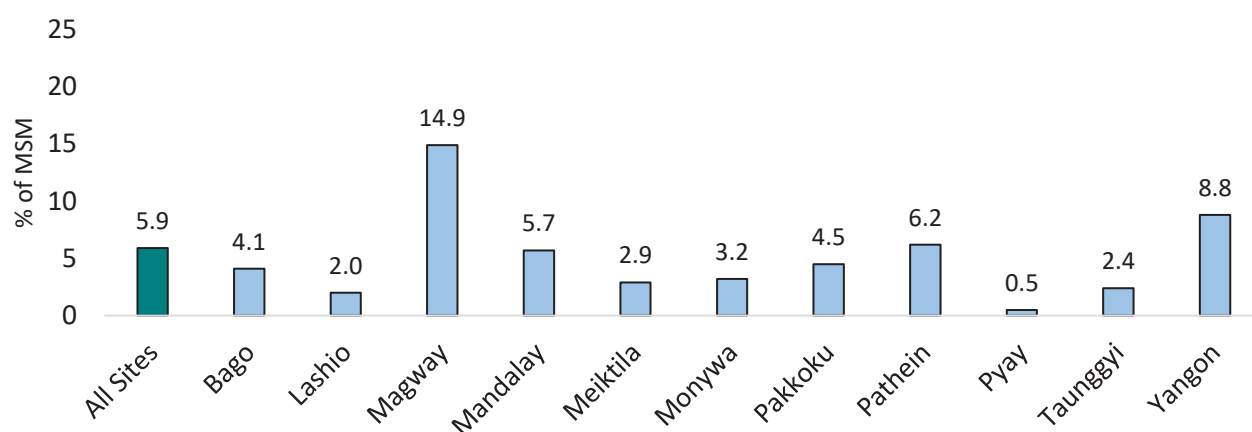
Figure 54. Primary condom source in the last 12 months^a

^aOverall, 0.2% of participants did not answer

Table 10. Condom preference among MSM^a

Survey Site	Free	Branded	No preference
All Sites	59.1	19.0	17.0
Bago	56.1	24.2	19.1
Dawei	85.0	0.5	14.5
Magway	51.3	29.3	15.8
Mandalay	60.1	15.8	21.7
Meiktila	36.1	36.5	25.0
Monywa	88.9	15.8	21.7
Pakkoku	61.1	25.8	9.6
Patheingyi	58.2	14.2	26.0
Pyaw	79.9	3.0	16.7
Taunggyi	26.8	26.0	19.4
Yangon	60.6	21.4	12.8

^aOverall, one of participants did not answer

Figure 55. Proportion of MSM who had ever used female condom for anal sex*

*Denominator is the number of participants who had ever heard of a female condom (n = 3041)

Condom outreach

Less than half of MSM had received condoms for free in the last 3 months (40.3% overall), and the proportion of MSM who had received free condoms in the last 3 months was below 50% in all sites with the exception of Yangon and Mandalay, in which slightly over half of participants had received free condoms. Pakkoku and Taunggyi had the lowest proportions of MSM who had received free condoms (25.9% and 23.9%, respectively).

When stratified by group identity, Apwint-identifying MSM were more likely to have received free condoms in the past three months when compared to Apone or Tha Nge-identifying participants. Overall, 72.7% of Apwint, 45.7% of Apone and 31.5% of Tha Nge had received free condoms. When stratified by the type of sexual partners that MSM had ever had, the proportion who had received free condoms in the past three months varied widely between sites. Overall, the highest proportions of MSM who had received free condoms were among those who had ever had commercial male partners.

Overall, 30.9% of MSM had received counselling on condom use and safe sex in the last 3 months. The proportion of MSM who had received counselling on condom use and safe sex was below 50% in all sites and ranged from 23.0% in Pathein to 40.8% in Yangon.

Figure 56. Proportion of MSM who received condoms for free in the past three months

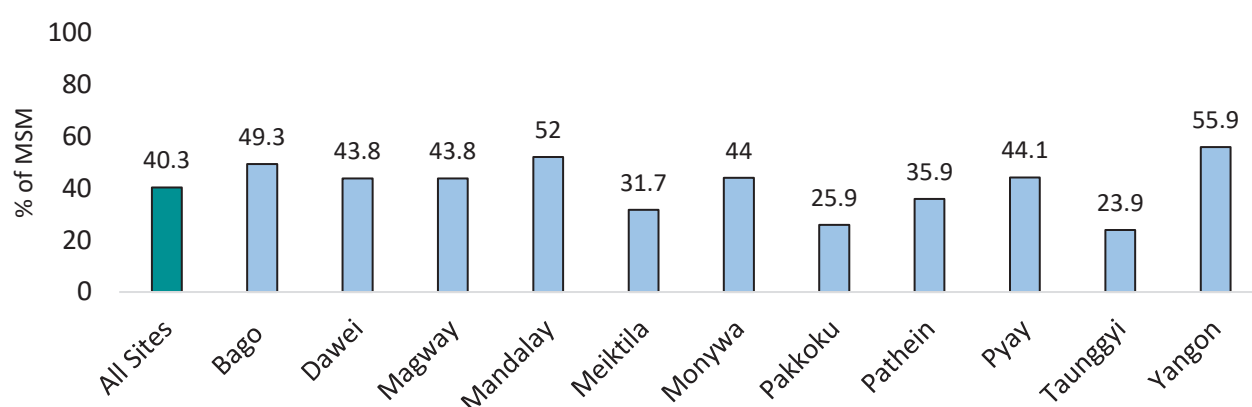


Figure 57. Proportion of MSM who received condoms for free in the past three months, by group identity

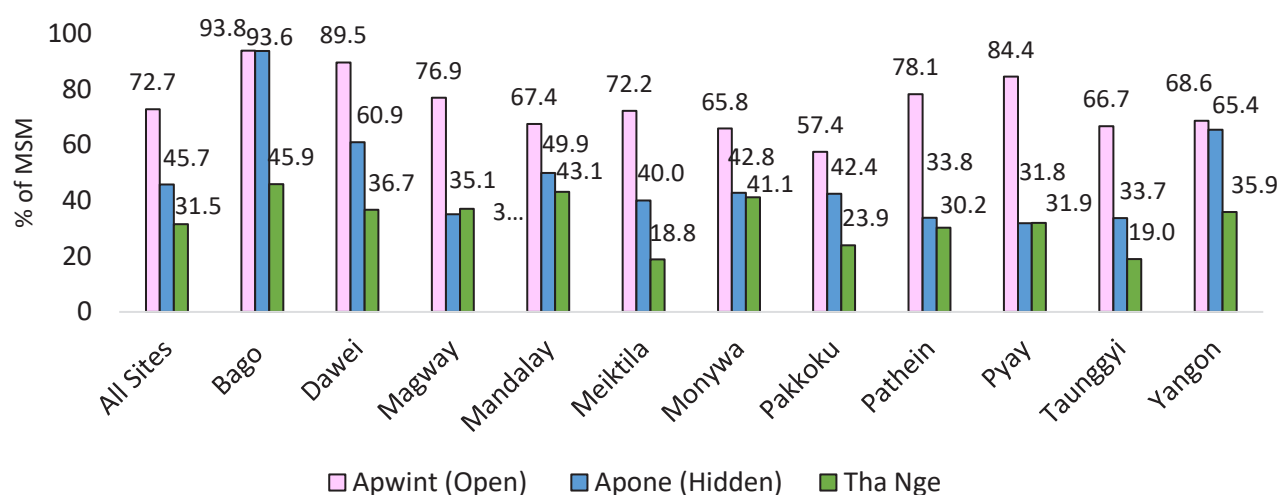
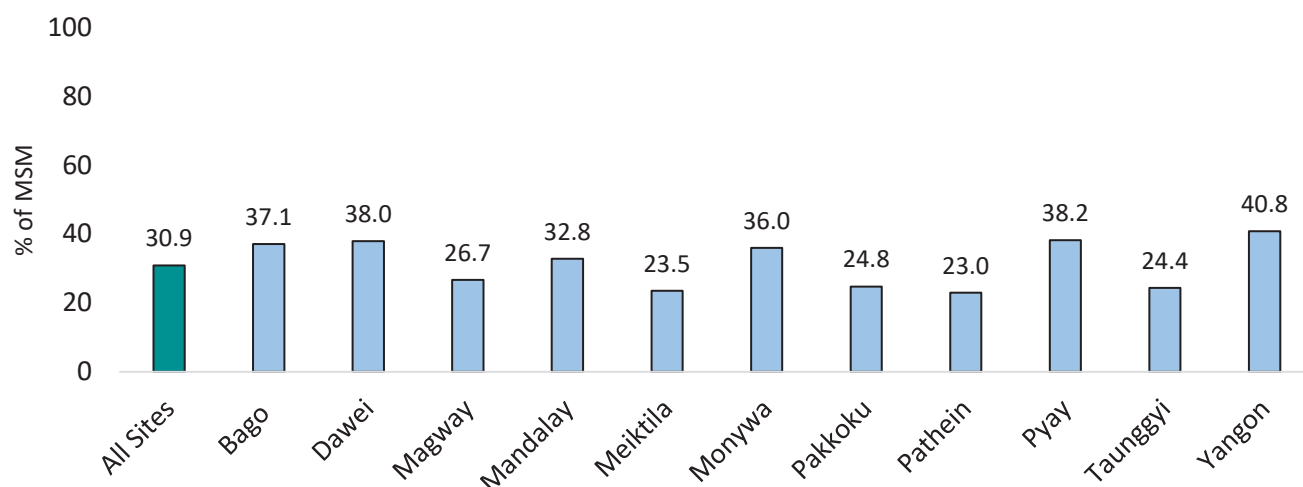


Figure 58. Proportion of MSM who received counselling on condom use and safe sex in the past three months

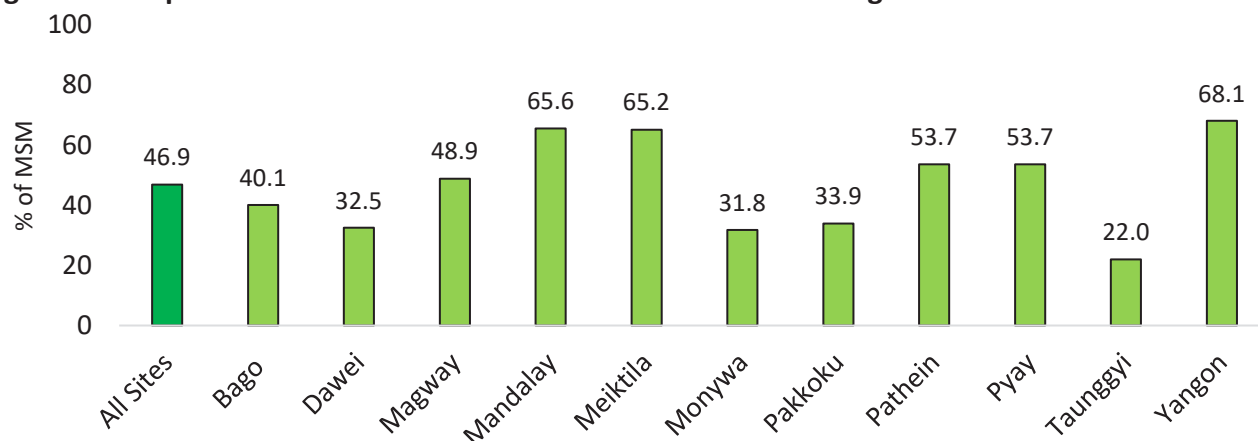
Lubricants

Fewer than half of MSM had ever used lubricants during anal sex overall (46.9%). The proportion of MSM who had ever used lubricants during anal sex was higher in Yangon, Mandalay, and Meiktila, in which 68.1%, 65.6%, 65.2% reported having used lubricants, respectively. Taunggyi had the lowest proportion of participants who had ever used lubricants during anal sex (22.0%).

Lubricant use at last sex with a male partner was high overall among those who had ever used a lubricant (68.6%). Approximately 60% of MSM or above reported using a lubricant at last sex with a male partner, with the exception of Monywa, in which the proportion was low (31.1%). Meiktila had the highest proportion of MSM who reported using a lubricant at last sex with a male partner (81.6%). Among those who did use a lubricant at last sex with a male partner, a large majority reported using water-based gel (98.3%).

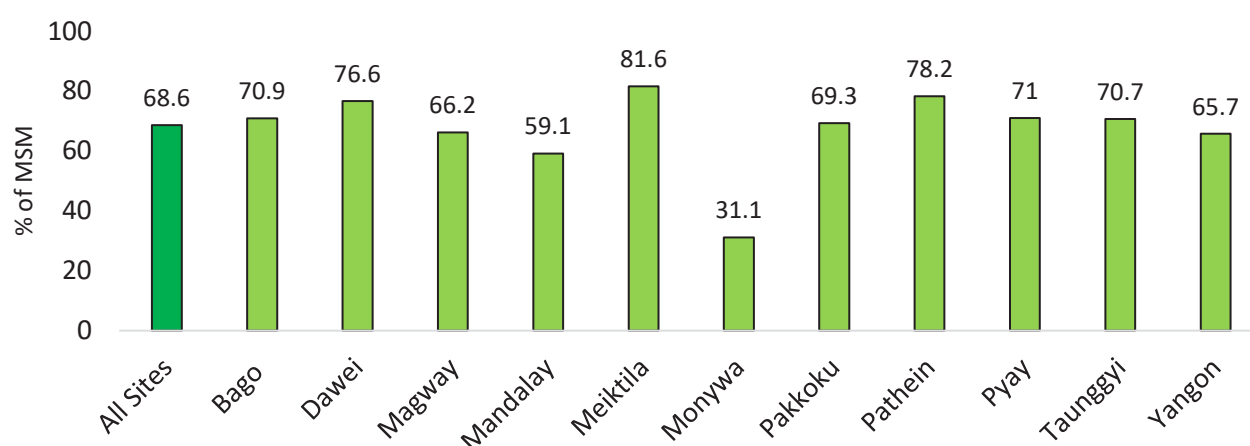
Approximately half (49.9%) of MSM reported always using lubricants in the last month, and Meiktila had the highest proportion of participants who reported always using a lubricant (67.8). The proportion of MSM who reported using lubricants most of the time ranged from 0.6% in Magway to 22.0% in Patheingyi, while the proportion who reported using lubricants about half of the time ranged from 0.7% in Bago and Monywa to 20.4% in Pakkoku. Overall, 31.3% and 2.2% of MSM reported using lubricants occasionally and never, respectively. Monywa had a noticeably higher proportion of respondents reporting infrequent use of lubricants, with 75.2% only occasionally using lubricants in the last month. Among those who did not always use lubricant in the last month, the most frequently reported reasons for not using lubricants were that they were not easily available (43.4%) and that the participant didn't think it was necessary (33.1%), overall.

Figure 59. Proportion of MSM who have ever used lubricants during anal sex^a



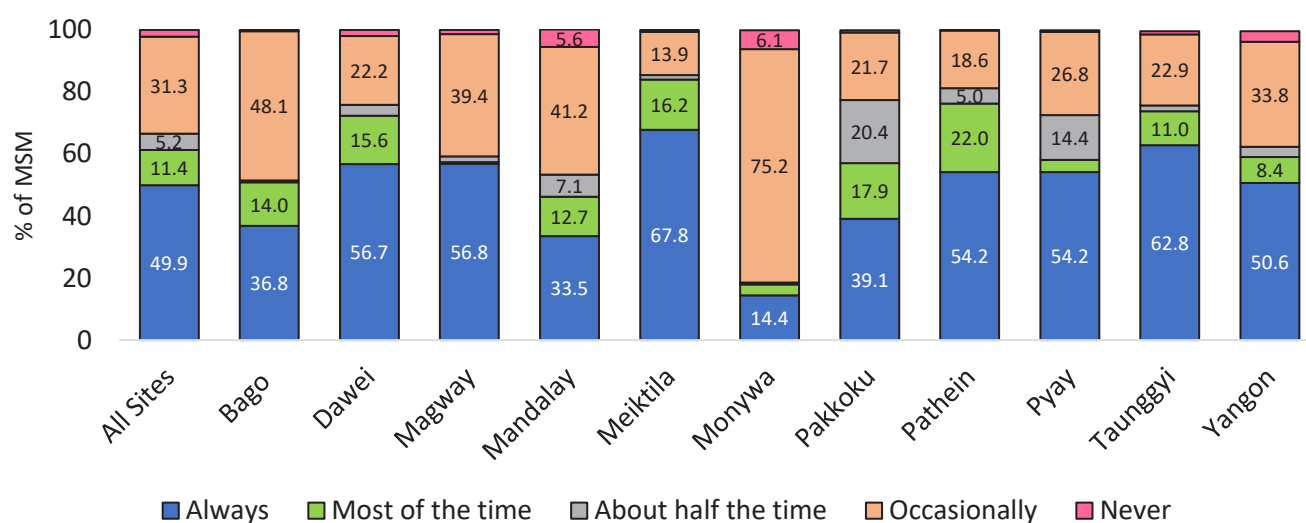
^aOverall, one participant did not answer

Figure 60. Proportion of MSM who used a lubricant at last sex with a male partner*



*Denominator is the number of participants who had ever used a lubricant during anal sex (n = 3,031)

Figure 61. Frequency of lubricant use in the past one month^a



*Denominator is the number of participants who had ever used a lubricant during anal sex (n = 3,031)

^aOverall, 3 participants did not answer

3.8. STIs

STI knowledge and testing

Awareness of STIs was high overall (80.1%). Mandalay had the highest proportion of MSM who had ever heard of diseases that could be transmitted through sexual intercourse, while Dawei had the lowest proportion (50.0%). The proportion of MSM who had been tested for STIs in the last 3 months, however, was low overall (18.7%) and ranged from 9.7% in Pakkoku to 30.3% in Yangon. When stratified by group identity, it was observed that STI testing in the last 3 months was generally most common among Apwint-identifying MSM, followed by Apone and Tha Nge-identifying MSM, respectively.

Figure 62. Ever heard of diseases that can be transmitted through sexual intercourse

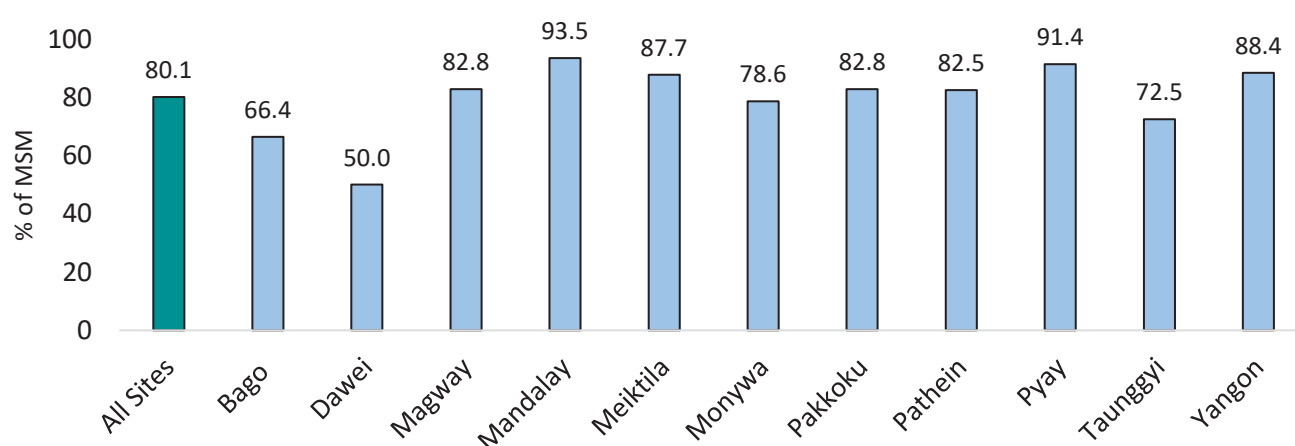
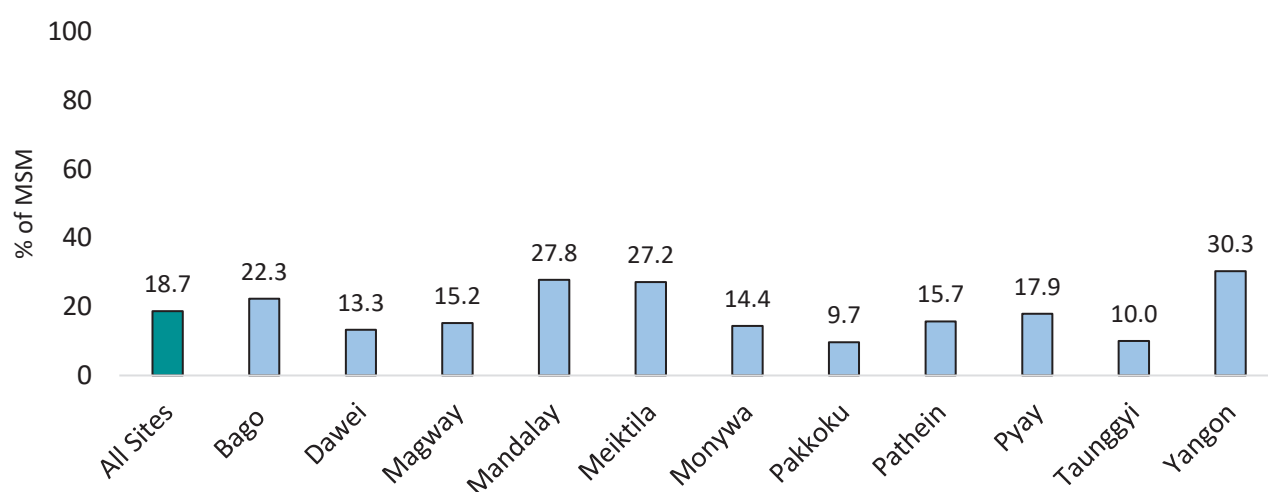
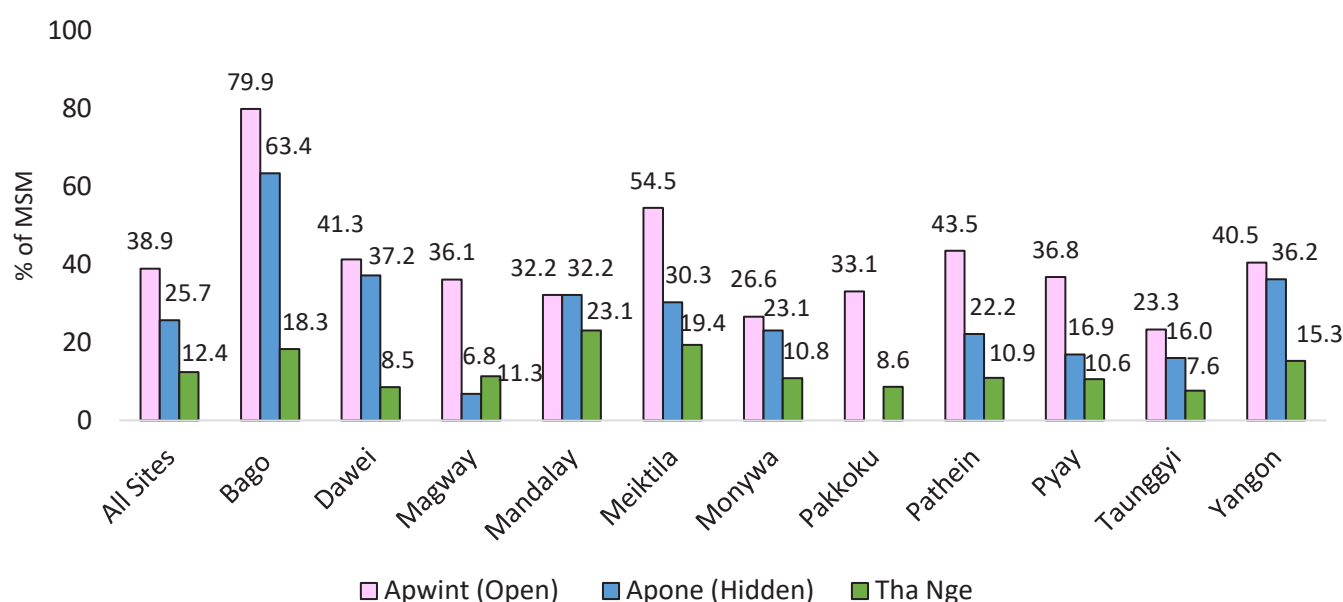


Figure 63. Proportion of MSM who had tested for STIs in the last 3 months^a



^aOverall, 6 participants answered "Don't know"

Figure 64. Proportion of MSM who had tested for STIs in the last 3 months, by group identity^a

^aOverall, 6 participants answered "Don't know"

STI symptoms

Over 20.0% of MSM had experienced STI symptoms in the past year. The proportion of MSM who had experienced STI symptoms was approximately 25% or below in all sites except Patheingyi, in which 43.1% of MSM had experienced STI symptoms. Overall, 7.4% had experienced abnormal discharge, 6.5% had experienced genital ulcers or sores, and 16.6% had experienced pain on urination. Patheingyi had the highest proportion of MSM reporting all three STI symptoms, with 12.5% reporting abnormal discharge, 12.5% reporting genital ulcers or sores, and 36.5% reporting pain on urination.

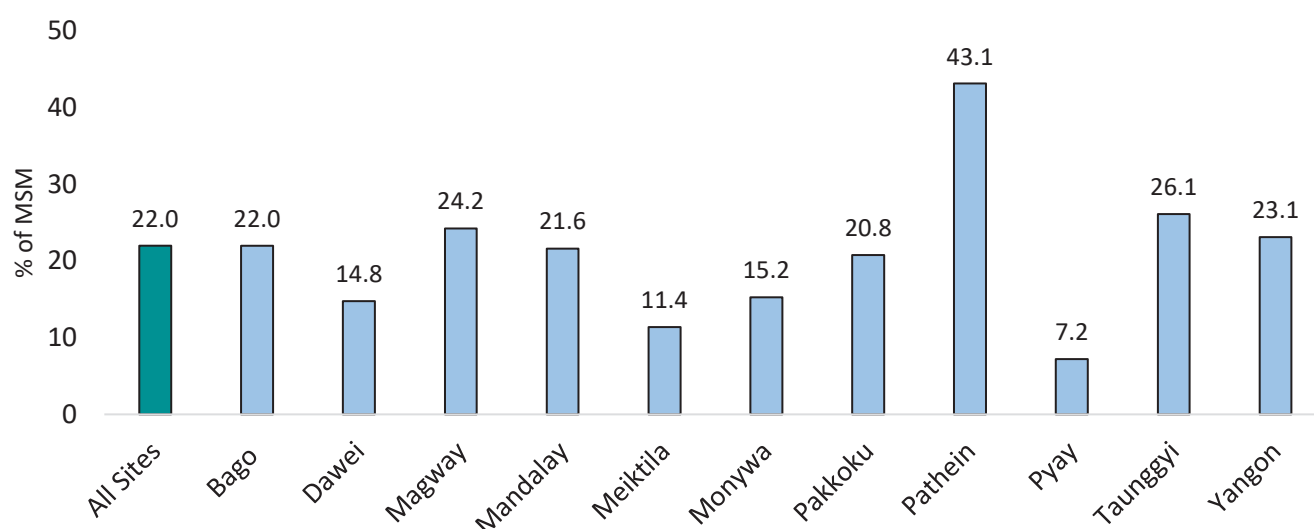
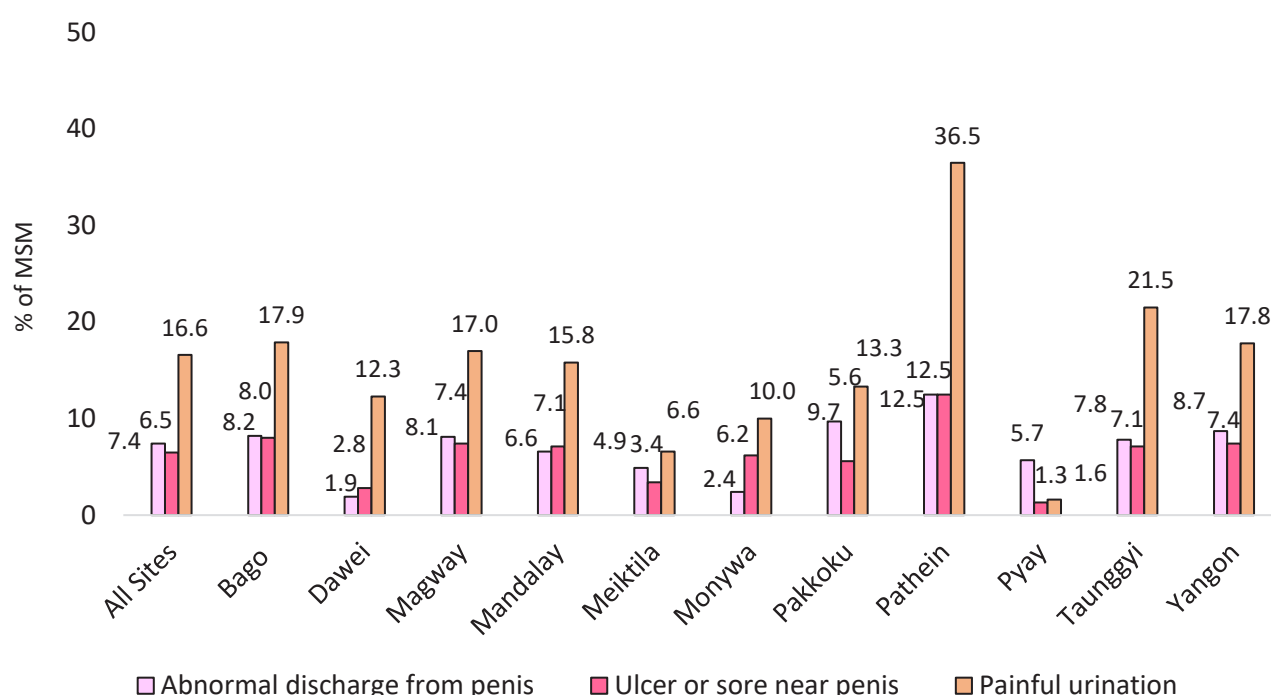
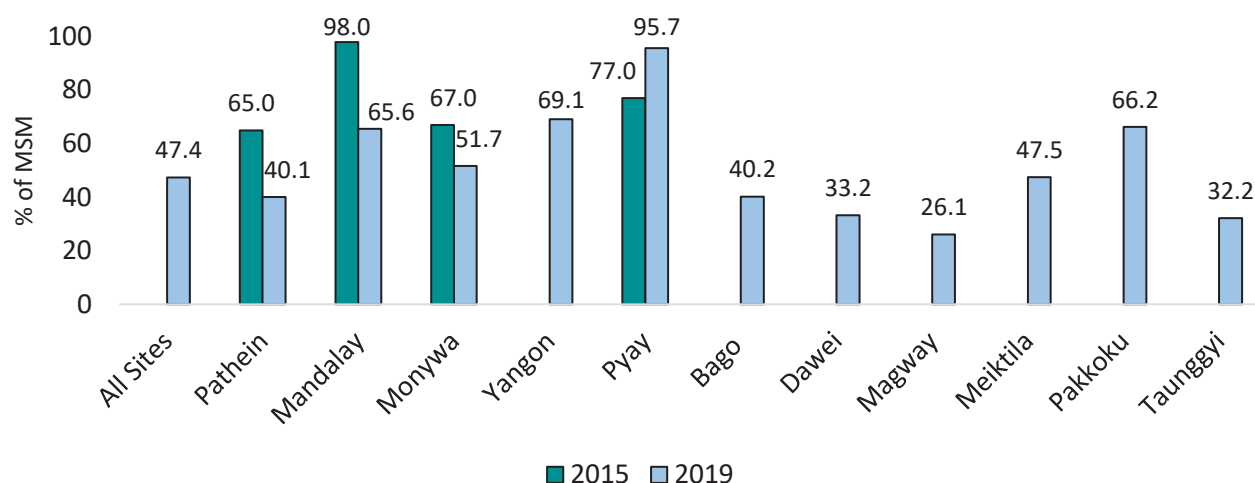
Figure 65. Experienced any of three STI symptoms in the last 12 months

Figure 66. Experienced STI symptom in the last 12 months, by symptom type

STI treatment

Approximately half (47.4%) of MSM who had experienced STI symptoms in the last 12 months had sought treatment. However, there was a wide variation in treatment rates across sites. The proportion of MSM who had sought STI treatment was substantially higher in Pyaw (95.7%) compared to other sites; Yangon had the second highest rate of treatment, with 69.1% of those who had experienced symptoms reporting that they had sought care. The lowest proportions of MSM who had sought treatment were in Magway (26.1%) and Taunggyi (32.2%). A greater proportion of MSM who sought STI treatment was observed in 2019 compared to 2015 in Pyaw (77.0% in 2015 vs. 95.7% in 2019). However, the proportion who sought STI treatment was lower in 2019 compared to 2015 in Patheingyi, Mandalay, and Monywa. The largest decrease was observed in Mandalay (98.0% in 2015 vs. 65.6% in 2019).

Among those who had sought treatment for STI symptoms, MSM most frequently reported seeking care at private hospitals, clinics or GPs (35.2%) and NGO clinics (24.6%). A notable proportion of MSM also reported self-medicating for STI symptoms (22.5%). The proportion of participants who sought treatment at AIDS/STD teams was low overall (9.3%) and ranged from 3.2% in Yangon to 23.6% in Pyaw. The proportion of MSM who sought treatment at public hospitals or clinics ranged from 2.4% in Patheingyi to 22.9% in Magway. A small proportion of respondents reported seeking traditional medicine for STI treatment (5.7% overall). When stratified by group identity, results indicated that NGO clinics were the most frequently reported sources of STI treatment among Apwint (50.2%) and Apone MSM (30.9%), while private hospitals were most frequently reported by Tha Nge MSM (41.0%).

Figure 67. Percent of MSM who sought treatment, among those who experienced STI symptom in last 12 months^{a,b}

^aOverall, one participant answered "other" and one participant did not answer, n=1,290.

^bDue to limitations with RDS-A, point estimates could not be computed for seeking treatment for STI symptoms in Yangon in 2015.

Table 11. Places where MSM received STI treatment among those who sought care, by group identity

STI treatment sources	Apwint (open)	Apone (hidden)	Tha Nge
Self-medication	16.0	15.7	26.1
Traditional medicine	5.4	4.4	6.2
Treatment at AIDS/STD team	12.3	14.3	7.1
Private hospital/clinic/GP	18.3	28.9	41.0
Public hospital/clinic	6.1	10.2	8.8
Clinics at NGOs	50.2	30.9	16.5
Other	0	0	0.2

3.9. Knowledge and service utilization

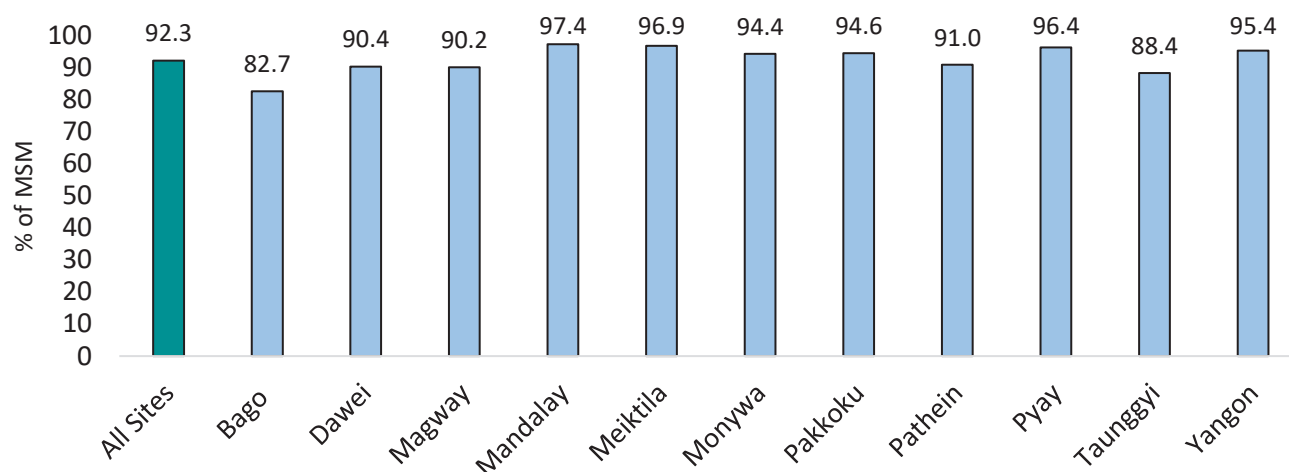
Awareness of HIV and AIDS

General awareness of HIV/AIDS among MSM was high. The proportion of MSM who had ever received information on HIV or AIDS was 92.3% overall and ranged from 82.7% in Bago to 97.4% in Mandalay. Among those who had ever received information on HIV/AIDS, the most common sources of information were health providers, IEC materials and friends or relatives.

Comprehensive knowledge of HIV was defined as correctly answering the following six questions on HIV prevention and transmission: 1) Can a person get HIV by having sex with only one uninfected partner who has no other partners? 2) Can a person get HIV from mosquito bites? 3) Can a person reduce the risk of getting HIV by using a condom in the right way every time they have sex? 4) Can a person get HIV by sharing food with someone who is infected? 5) Can a person get HIV by injecting with a needle that was already used by someone else? 6) Can a healthy-looking person have HIV? The proportion of MSM demonstrating comprehensive HIV knowledge was 42.3% overall and varied from 18.6% in Taunggyi to 58.6% in Bago. The HIV knowledge question that was most frequently mistaken by MSM was the question regarding whether or not a healthy-looking person could have HIV, with

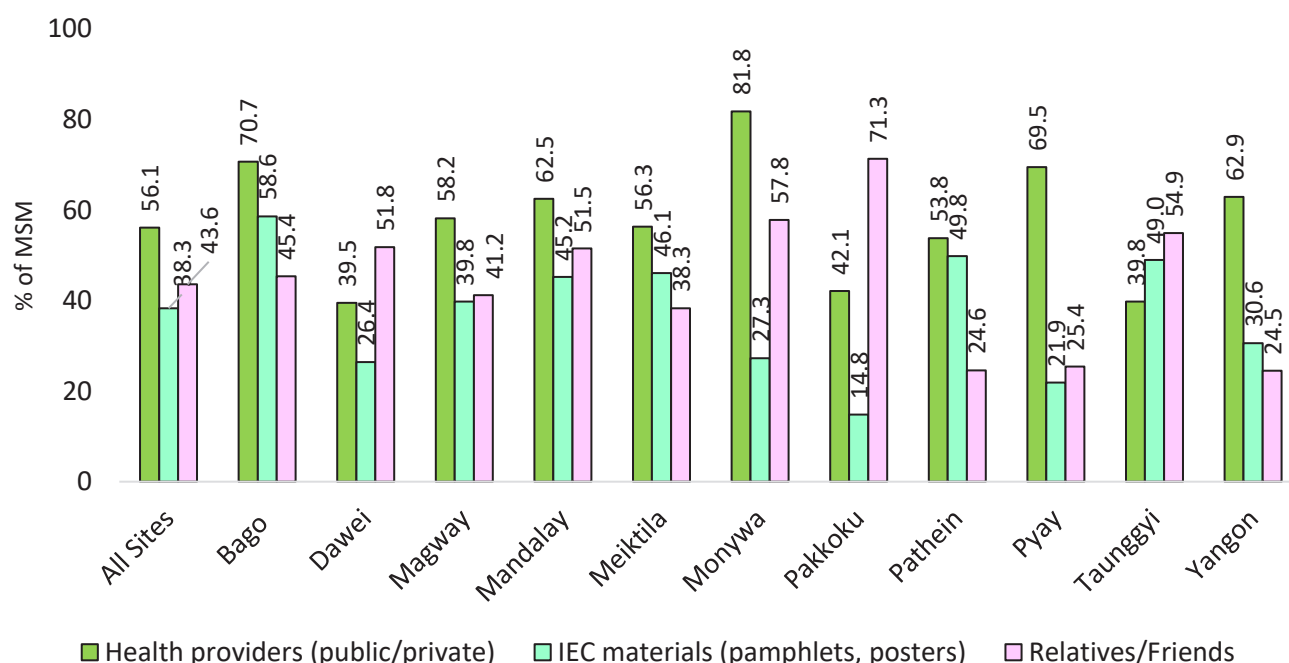
23.8% of participants answering this incorrectly. Compared to 2015, the proportion of MSM demonstrating comprehensive HIV knowledge was appreciably low in Mandalay (84.0% in 2015 vs. 56.5% in 2019) and Pyay (82.0% in 2015 vs. 53.3% in 2019). However, the definition of comprehensive HIV knowledge used for the 2015 survey did not include the question regarding transmission risks associated with needle sharing.

Figure 68. Percent of MSM who had ever received information on HIV or AIDS^a



^aOverall, 2 participants did not answer

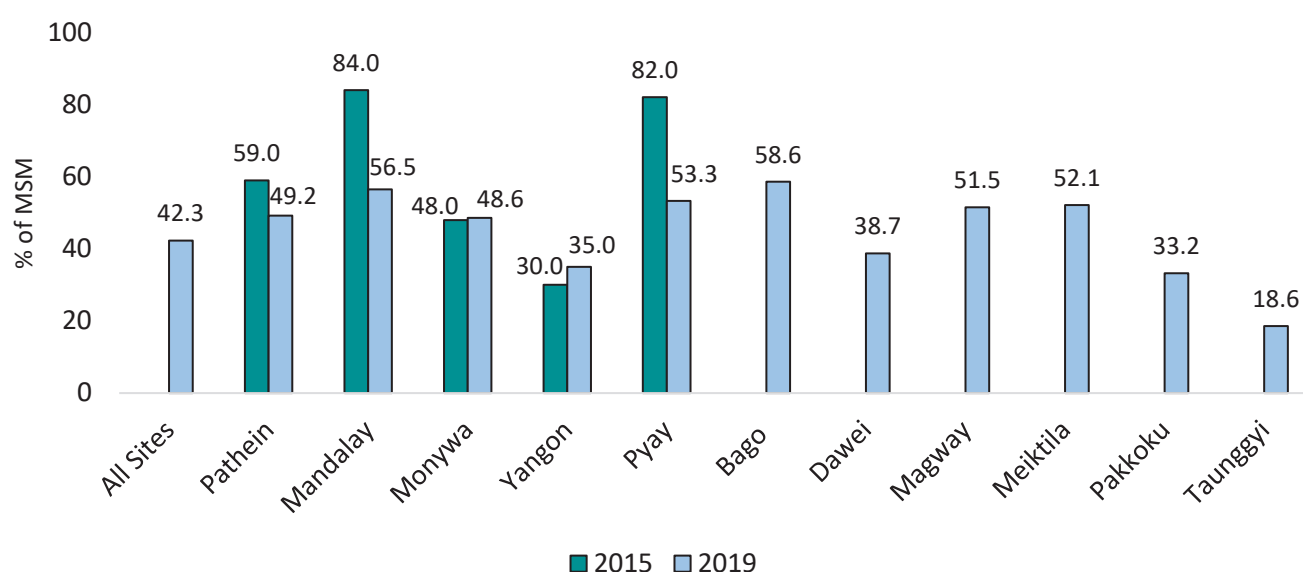
Figure 69. Most common sources of information on HIV or AIDS^{*a,b}



^{*}Denominator is the number of participants who had ever received information on HIV/AIDS (n = 5,671)

^aOverall, 1 participant did not answer

^bMultiple choices possible; top three overall most commonly reported answers shown

Figure 70. Percent of MSM demonstrating comprehensive knowledge of HIV^a

^aComprehensive knowledge of HIV is defined in 2019 as correct answers to 6 questions on HIV prevention and transmission

^bThe definition of comprehensive HIV knowledge in 2015 included 5 questions. In 2019, one additional question on

HIV testing behavior

Fewer than half of MSM overall (48.2%) had ever tested for HIV. The lowest proportions of participants who had ever tested for HIV were observed in Taunggyi and Magway, in which only 22.0% and 36.2% of MSM reported having tested for HIV, respectively. Mandalay had the highest proportion of participants who had ever tested for HIV (71.5%).

Among those who had ever tested for HIV, 40.3% of MSM reported that they had tested within the last 6 months, 20.6% reported testing within 6-12 months and 37.7% reported that they had last tested over 12 months ago, overall. The proportion of MSM who had tested within the last 6 months was highest in Dawei (54.5%). Pyaw had a noticeably high proportion of MSM who had last tested for HIV over 12 months ago (71.6%). Testing frequency among those who tested negative for HIV was similar, with 44.7% of MSM reporting that they had last tested within the last 6 months, 24.0% reporting that they had tested between 6-12 months ago and 30.8% reporting that they had tested over 12 months ago, overall.

Participants who had tested for HIV and received the result were asked to self-report their test result. Overall, 88.0% reported a negative result, 9.1% reported a positive result, and 0.2% reported an indeterminate result. The proportion of MSM who self-reported HIV-positive ranged from 3.0% in Bago to 22.3% in Yangon.

Among those who had never tested for HIV, participants most frequently reported that they did not test because they felt healthy (47.9%), did not think they had HIV (44.7%) or did not know of a place to get tested (16.5%). In Dawei, as high as one third of MSM reported that they did not know of a place to get tested for HIV.

Figure 71. Percent of MSM who had ever been tested for HIV

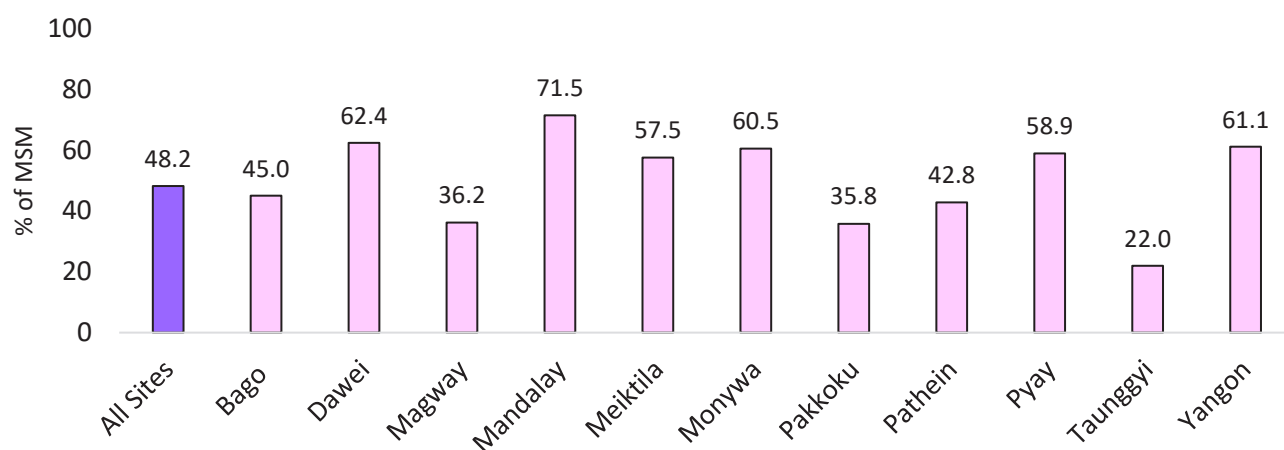
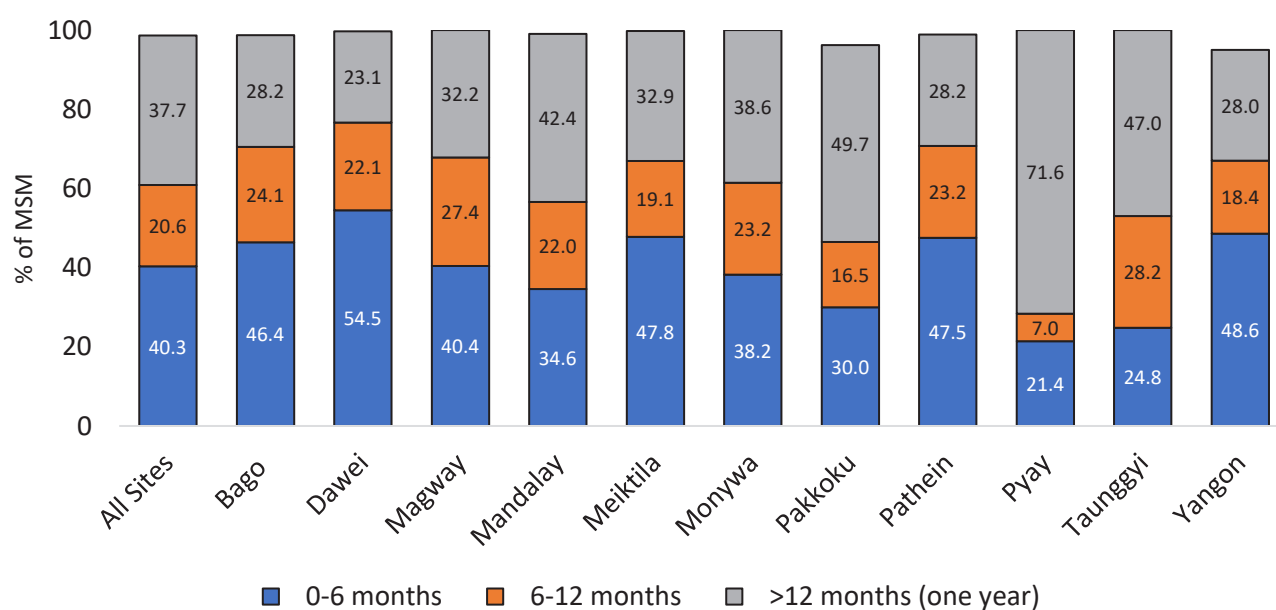


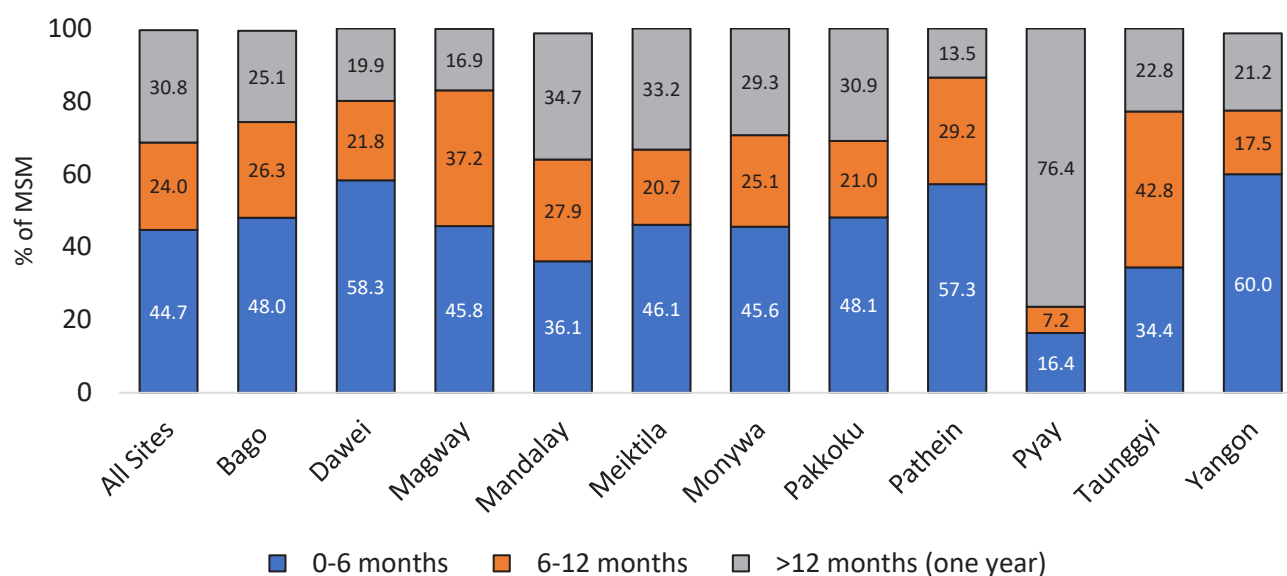
Figure 72. Last time tested for HIV*^a



*Denominator is the number of participants who had ever tested for HIV (n = 3,232)

^aOverall, 1.4% of participants answered "Do not remember or know"

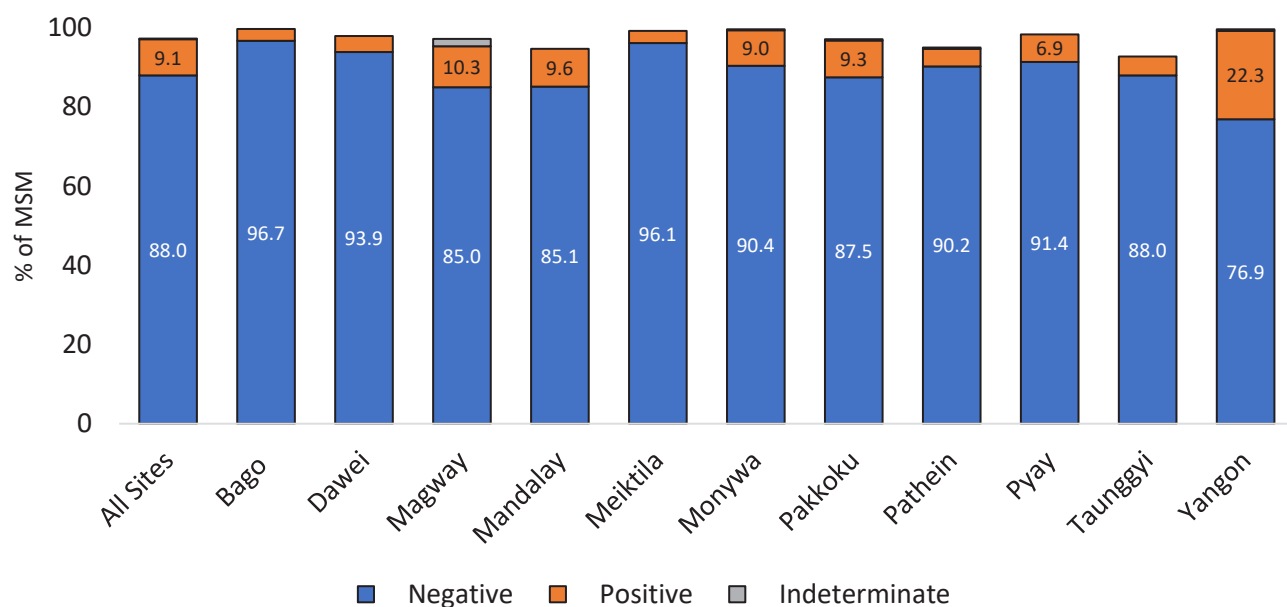
Figure 73. Last time tested for HIV, among those who tested HIV-negative^a



^aDenominator is the number of participants who had ever tested for HIV and tested negative for HIV in the IBBS (n = 1512)

^aOverall, 5 participants answered "Do not remember or know"

Figure 74. Reported result of last HIV test, among those ever tested^a



^aDenominator is the number of participants who had ever tested for HIV (n = 3,231)

^aOverall, 2.6% of participants did not receive results or did not answer

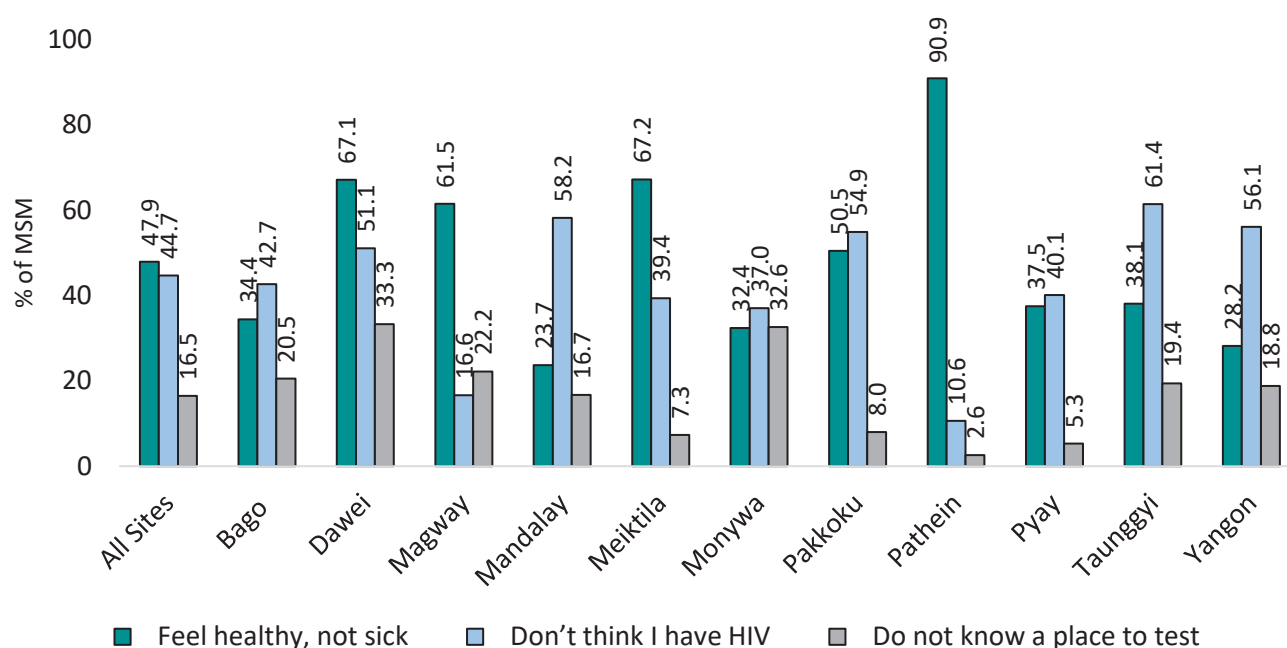
Figure 75. Reasons for not testing for HIV, among those who had never tested*^a

Table 12 displays HIV testing behavior stratified by group identity. Overall, Apwint MSM most frequently identified NGO clinics as locations to get tested for HIV (88.7%), while Apone and Tha Nge MSM most frequently identified public hospitals (70.3% for Apone and 68.5% for Tha Nge). All three MSM sub-groups identified NGO clinics as a preferred testing site, although the proportion who preferred to be tested at NGO clinics was highest among Apwint MSM (69.4%). In order to use the service multiplier method to calculate the population size estimate, participants were asked if they had visited a specific clinic during a fixed period of time. Apwint MSM were more likely to have visited and received HIV testing at the specific clinics between June and August 2019 compared to Apone and Tha Nge MSM. Overall, 41.9% of Apwint MSM had visited the specific clinics while 24.5% and 11.9% of Apone and Tha Nge MSM had visited, respectively. Similarly, 21.3% of Apwint MSM had received HIV testing at the specific clinics while 15.0% of Apone and 6.9% of Tha Nge MSM had received testing there, respectively.

Table 12. HIV testing behavior by group identity^a

	Apwint (open)	Apone (hidden)	Tha Nge
Where can you have an HIV test?			
HCT at AIDS/STD team	51.0	38.3	35.1
Public hospital	56.9	70.3	68.5
GP/private clinic/private hospital	33.7	42.9	34.5
Clinics at NGOs	88.7	60.7	57.4
Peer outreach workers	3.2	2.9	1.8
Other	0.4	0.0	0.1
Where would you prefer to get an HIV test?			
Home visit	15.8	15.8	16.8
Home self-test	13.0	16.9	14.1

Where I socialize	24.3	21.6	18.6
HCT at AIDS/STD team	28.9	23.7	25.4
Public hospital	22.9	37.2	43.3
GP/private clinic/private hospital	15.6	19.5	18.6
Clinics at NGOs	69.4	50.6	44.6
Peer outreach workers	4.4	3.0	1.8
Other	0.1	0.0	0.2
Did you visit the specific clinic June-August 2019?			
Yes	41.9	24.5	11.9
No	58.2	75.5	88.1
Did you receive an HIV test from the specific clinic during June-August 2019?			
Yes	21.3	15.0	6.9
No	78.5	85.0	93.1

^aMultiple choices possible

Characteristics of MSM testing for HIV

Older MSM were generally more likely to have ever tested for HIV compared to younger MSM. The proportion of MSM aged 25 years or older who had ever tested for HIV was 52.5% and ranged from 18.7% in Taunggyi to 82.8% in Mandalay, while the proportion of MSM under 25 years of age who had ever tested for HIV was 44.1% and ranged from 14.3% in Taunggyi to 63.6% in Mandalay. The largest difference in HIV testing history was observed in Monywa, in which 76.4% of MSM aged 25 years or older had ever tested compared to 52.9% of MSM under the age of 25. Meanwhile, the proportion of ever having a HIV test previously was much higher among those tested as HIV-positive during the study compared to those tested as HIV-negative (80.6% vs. 45% overall), and that was true for all sites.

Figure 76. Percent of MSM who had ever been tested for HIV, stratified by age

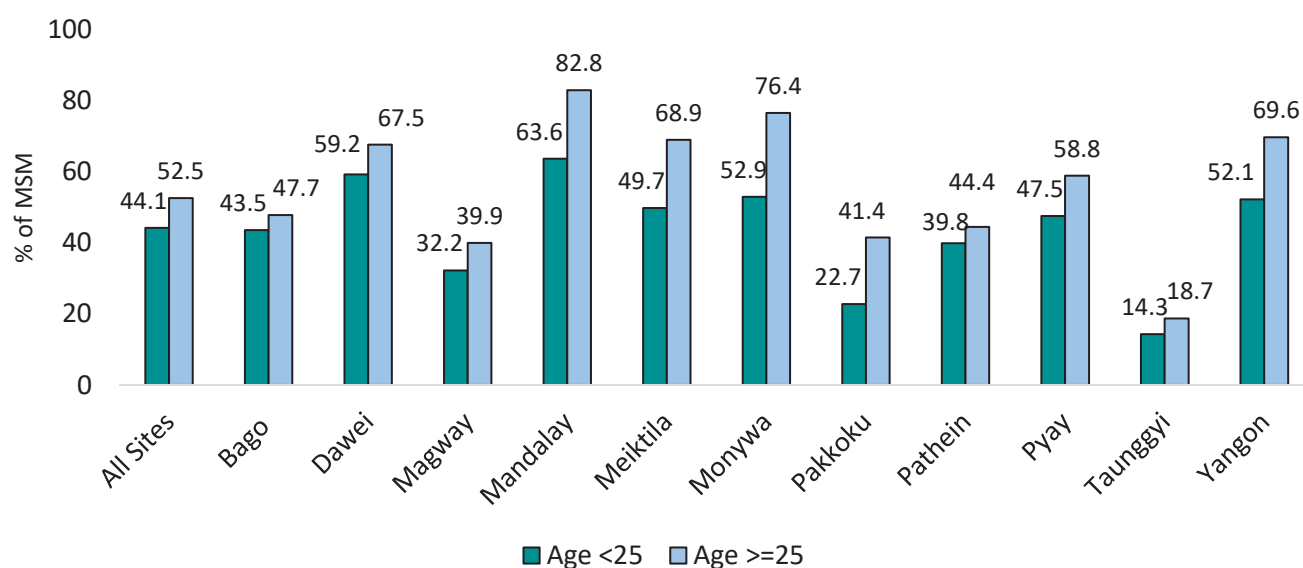
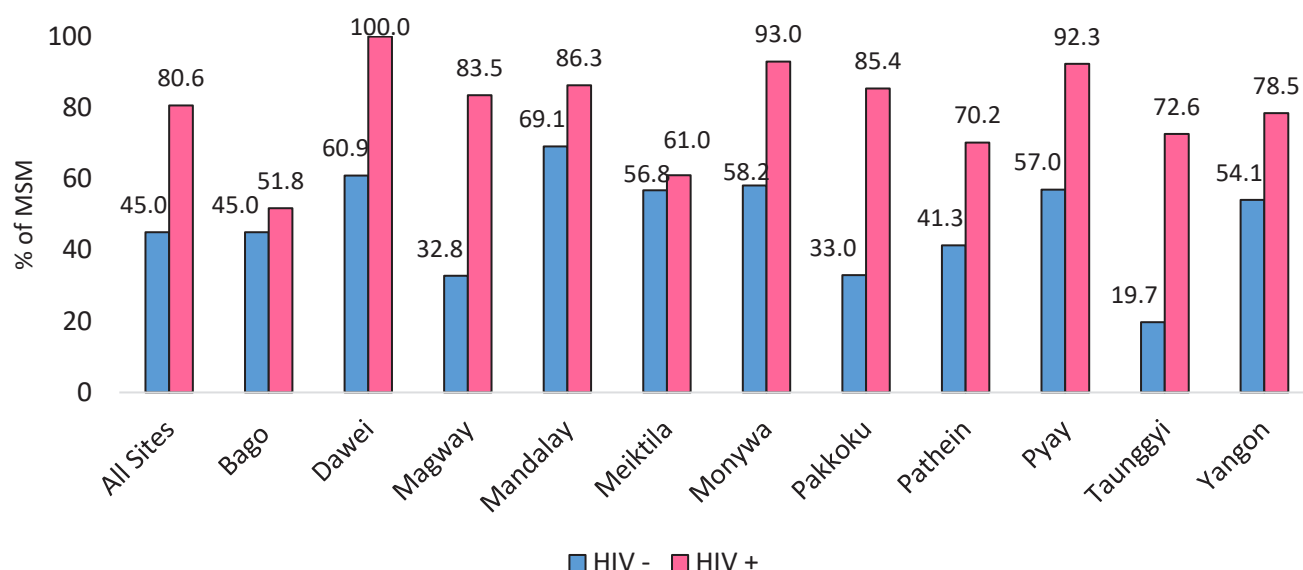


Figure 77. Percent of MSM who had ever been tested for HIV, stratified by HIV status

3.10. HIV prevalence, treatment, and correlates of infection

Overall HIV prevalence

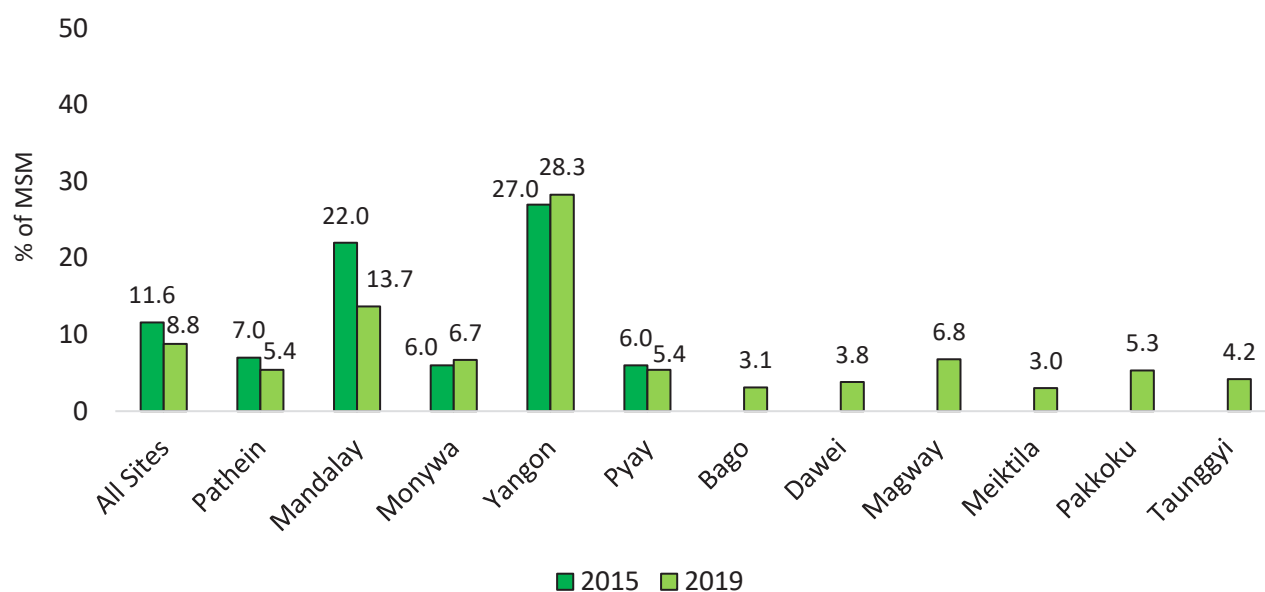
Overall, HIV prevalence was 8.8%. HIV prevalence was below 10% in all sites except for Mandalay (13.7%) as well as Yangon, in which HIV prevalence was appreciably higher than other sites (28.3%). While HIV prevalence rates were similar between 2015 and 2019 in Monywa, Yangon, and Pyaw, there was an appreciable decrease in HIV prevalence in Mandalay (22.0% in 2015 vs. 13.7% in 2019).

Generally, HIV prevalence was higher among older MSM compared to younger MSM. Overall, prevalence among MSM aged 25 years or older was 12.4% and ranged from 1.3% in Taunggyi to 36.8% in Yangon, while prevalence among MSM under the age of 25 was 5.5% overall and ranged from 1.9% in Taunggyi to 19.4% in Yangon. The greatest difference between age groups was observed in Mandalay, in which HIV prevalence was 24.7% among older MSM and 6.0% among younger MSM.

Trends in HIV prevalence among MSM sub-groups also emerged when stratifying by group identity. Overall, HIV prevalence was 28.1% among Apwint MSM, 13.7% among Apone MSM and 3.1% among Tha Nge MSM. This pattern was observed across most sites, with HIV prevalence being highest among Apwint MSM, followed by Apone and Tha Nge, respectively. Results of the 2015 IBBS demonstrate a similar trend.

Finally, results show that HIV prevalence is appreciably higher among MSM who had commercial partners in the past year compared to those who had casual partners or regular partners only. Overall, HIV prevalence among those who had commercial male partners was 18.9%. Among those who had casual partners or regular partners only, HIV prevalence was 5.5% and 10.7%, respectively.

Figure 78. HIV prevalence among MSM^a



^aOverall, one result was indeterminate in 2019

Figure 79. HIV prevalence among MSM, stratified by age

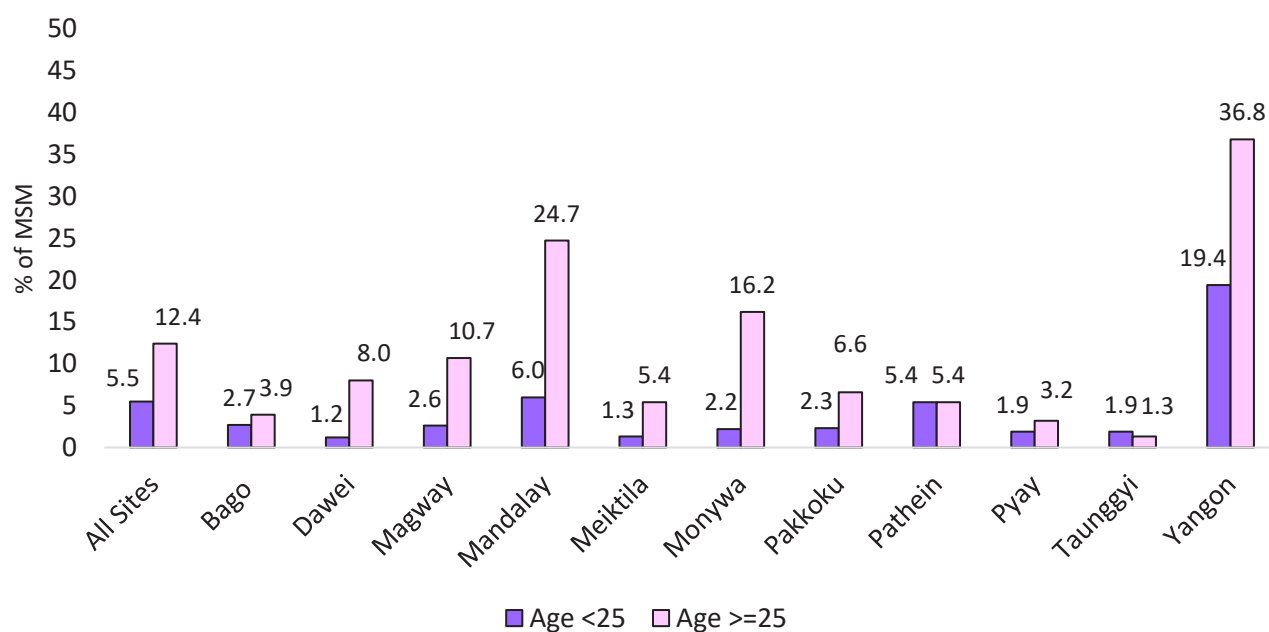
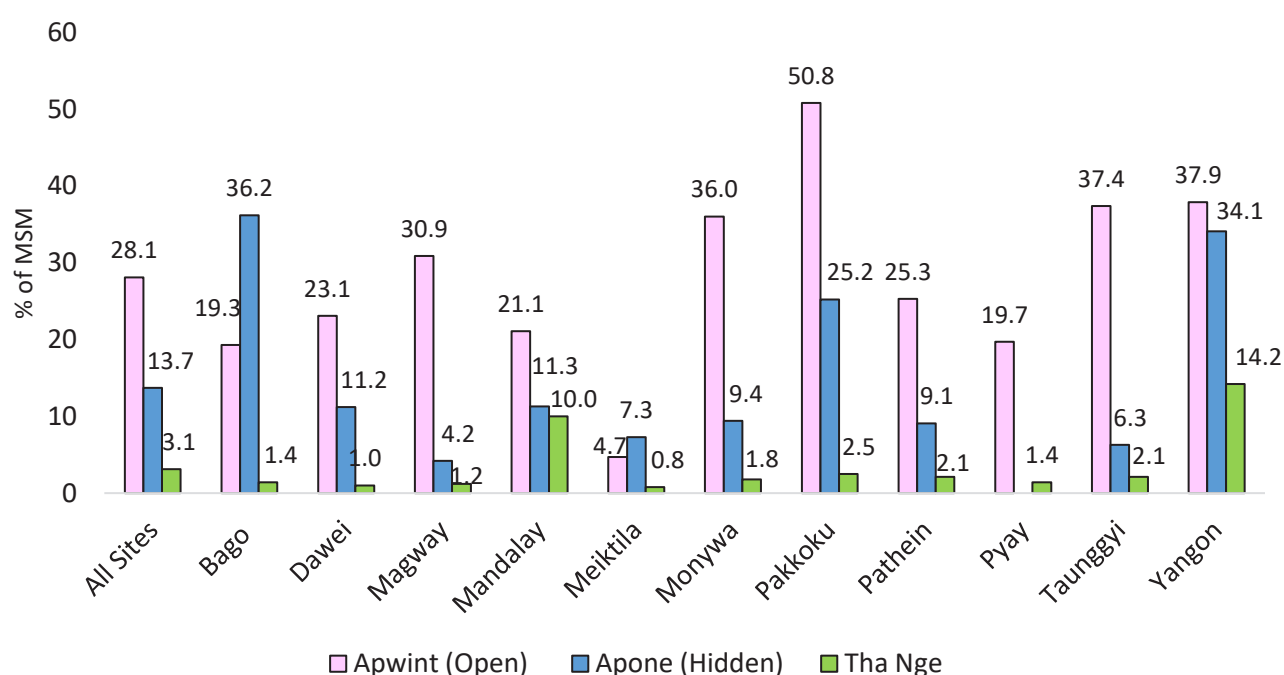
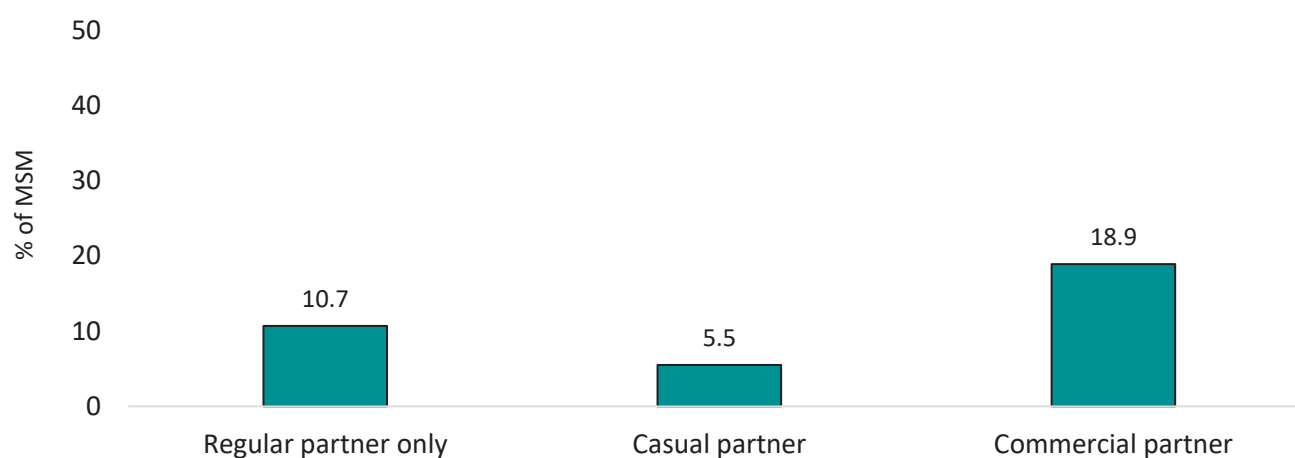
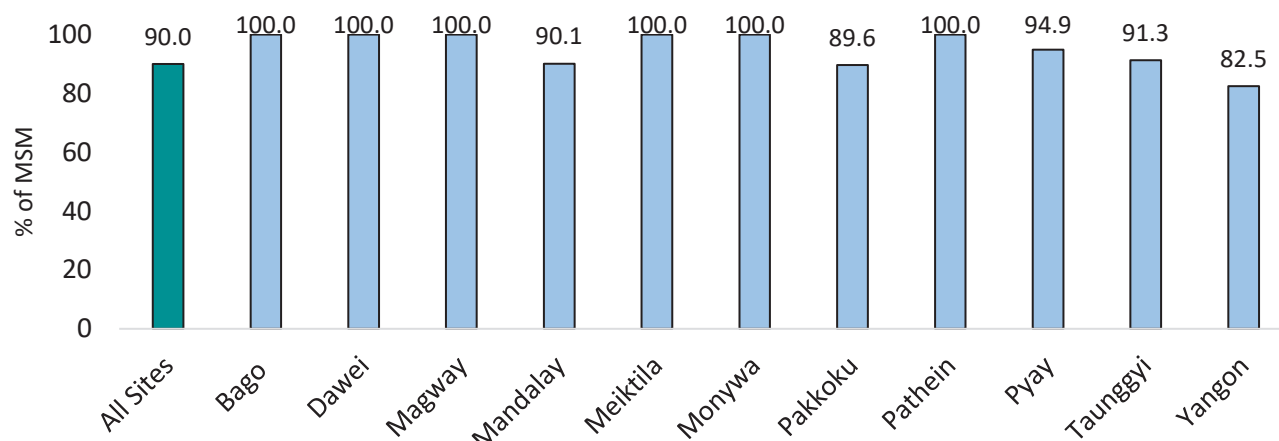


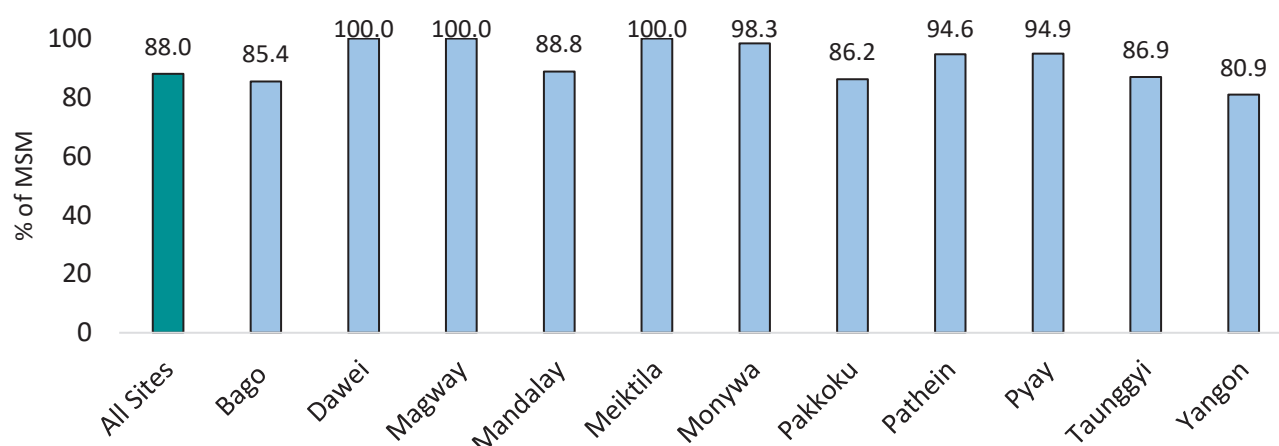
Figure 80. HIV prevalence among MSM, stratified by group identity**Figure 81. HIV prevalence among MSM, stratified by male partner types**

HIV treatment

Most MSM who self-reported a positive HIV test result had ever taken ART (90.0% overall). The proportion of MSM who had reported having ever taken ART was 100.0% in five sites, while Yangon had the lowest proportion (82.5%). A majority of those who had ever taken ART were currently taking ART (88.0%). The proportion of MSM currently taking ART ranged from 80.9% in Yangon to 100.0% in Dawei, Magway and Meiktila. The most commonly reported sources of ART were NGO clinics (47.8%) and AIDS/STD team (34.8%).

Figure 82. Ever taken antiretroviral therapy to treat HIV infection, among those who self-reported HIV positive*

*Denominator is the number of participants who self-reported HIV positive (n = 323)

Figure 83. Percentage of MSM currently taking ART, among MSM who have ever taken ART*

*Denominator is the number of participants who had ever taken ART (n = 323)

HIV care cascade (95-95-95 targets)

MSM were asked about awareness of HIV status, linkage to care, and viral suppression in order to assess progress towards the 95-95-95 targets of the HIV care cascade. Figures 85.a and 85.b display the conditional HIV care cascades overall and by site, while Figures 86.a and 86.b show the unconditional cascades. In the conditional cascade in all sites, care linkage (2nd 95) was higher than awareness of HIV (1st 95) and viral suppression (3rd 95). The proportion of MSM who tested positive for HIV and were aware of their status was 50.1% and ranged from 24.5% in Taunggyi to 81.3% in Monywa. Care linkage among those who were aware of their HIV-positive status was high overall (88.0%) and ranged from 80.9% in Yangon to 100.0% in Dawei, Magway and Meiktila. Viral load suppression among those linked to care was 50.9% overall, with a wide variation across sites. The proportion of MSM linked to HIV care who were virally suppressed ranged from 5.1% in Bago to 76.4% in Meiktila.

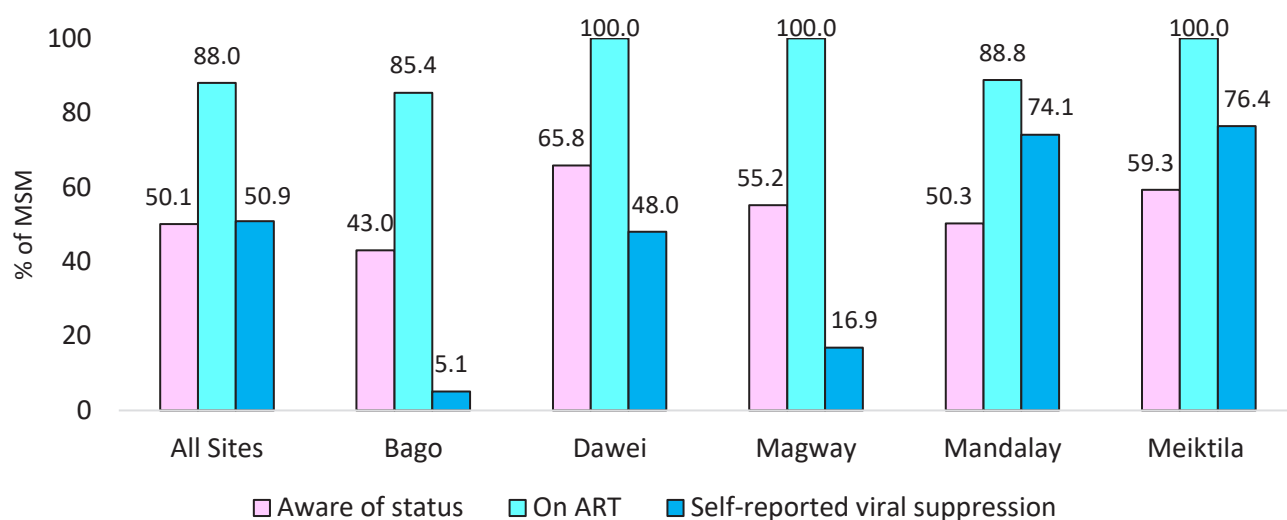
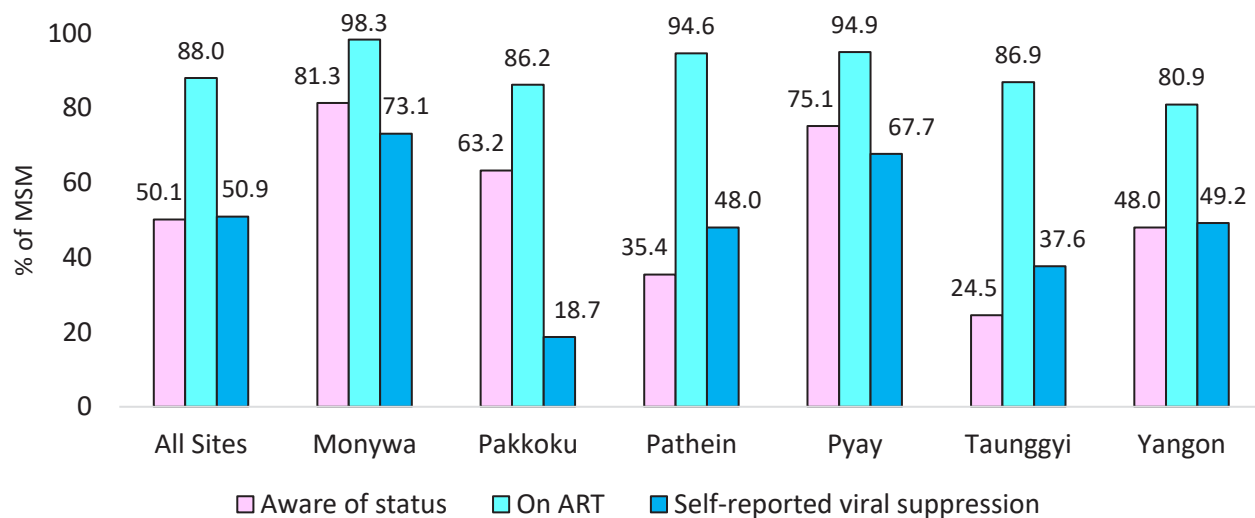
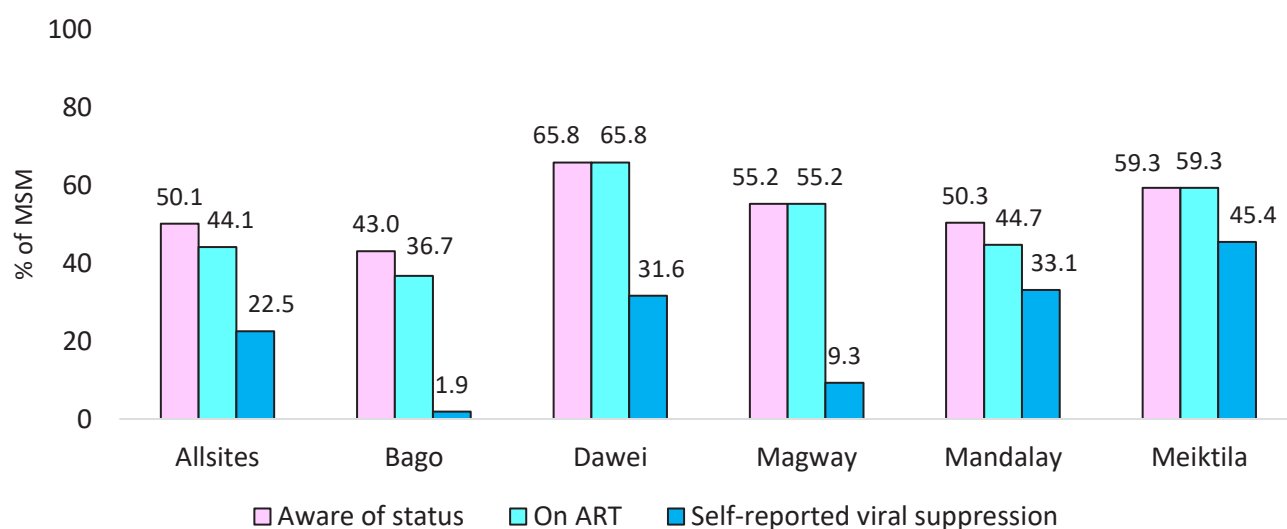
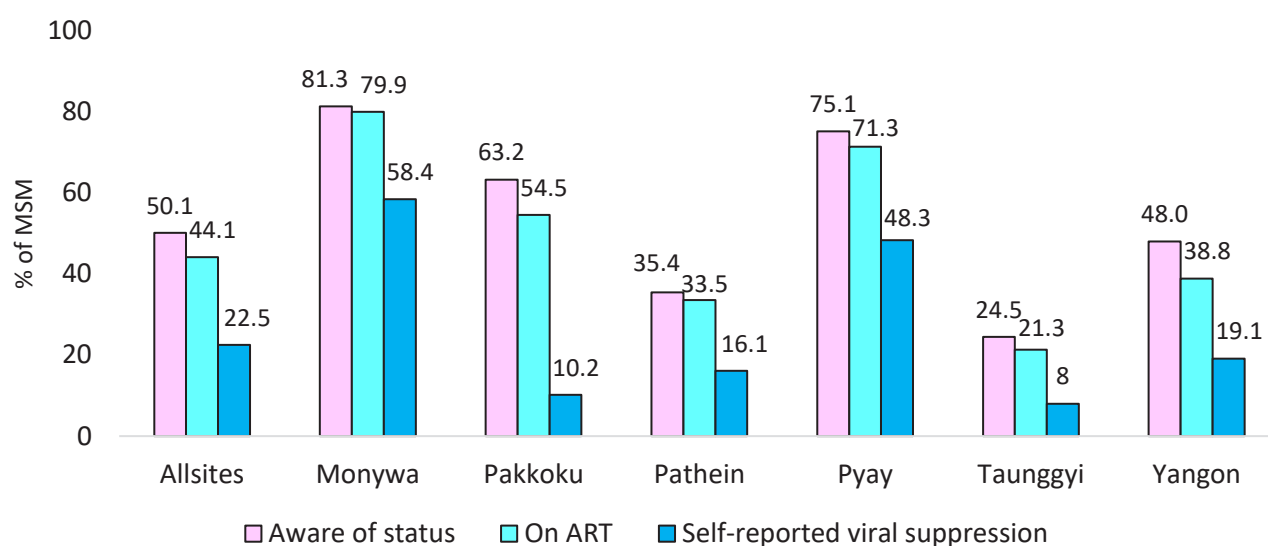
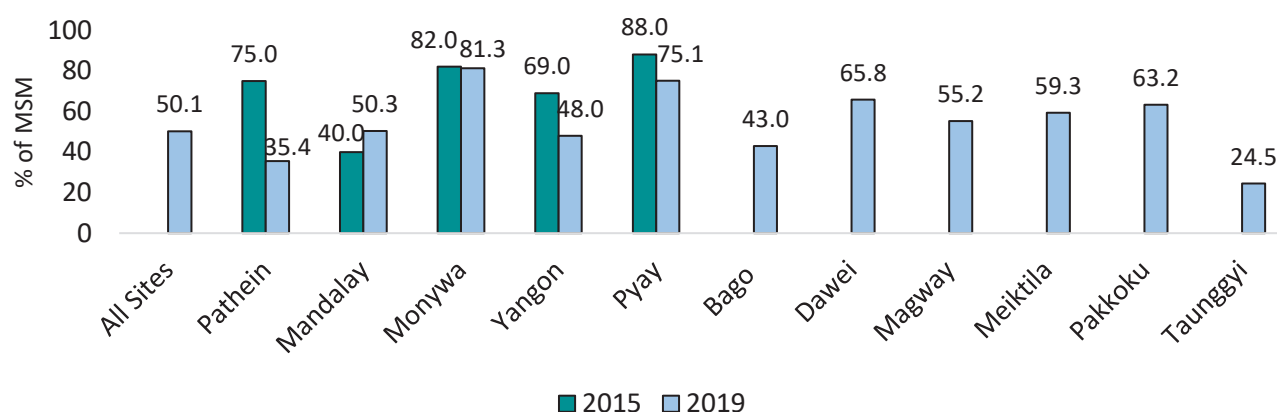
Figure 84.a HIV care cascade (progress towards 95-95-95 targets, conditional)

Figure 84.b HIV care cascade (progress towards 95-95-95 targets, conditional), continued

Figure 85.a HIV care cascade (progress towards 95-95-95 targets, unconditional)


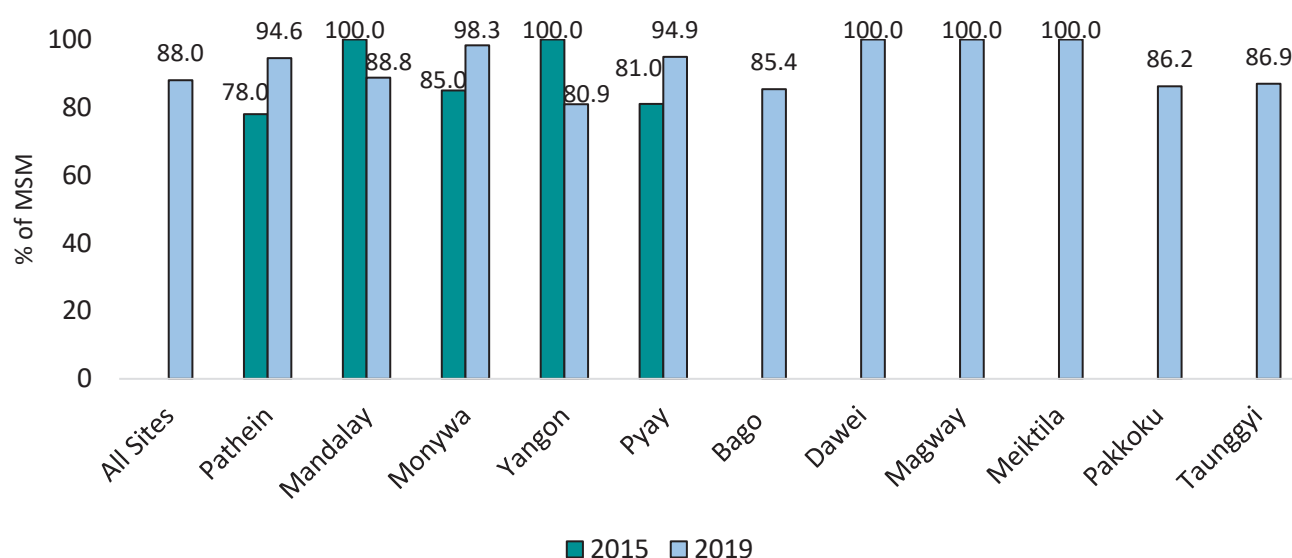
Figure 85.b HIV care cascade (progress towards 95-95-95 targets, unconditional), continued**1st and 2nd 95: Comparison with 2015 IBBS**

Although the previous IBBS did not assess viral load, comparisons of the 1st and 2nd 95 target between 2015 and 2019 help elucidate trends in awareness of HIV status and linkage to care over time. The proportion of MSM who tested positive for HIV and were aware of their status (1st 95) in 2019 was lower than the proportion of MSM aware of their status in 2015 in Pathein, Yangon and Pyay. The largest decrease in progress towards the 1st 95 was observed in Pathein (75.0% in 2015 vs. 35.4% in 2019). A 10% increase in the proportion of HIV-positive MSM who were aware of their status was observed between 2015 and 2019 in Mandalay (40.0% in 2015 vs. 50.3% in 2019), while progress towards the 1st 95 was similar across survey years in Monywa.

The proportion of HIV-positive men who were aware of their status and linked to care was higher in 2019 compared to 2015 in Monywa and Pyay as well as Pathein, which had the largest increase (78.0% in 2015 vs. 94.6% in 2019). Progress towards the 2nd 95 was lower in 2019 compared to 2015 in Mandalay and Yangon.

Figure 86. Proportion of HIV-positive MSM aware of their status*

*Denominator is the number of participants who tested positive for HIV (n=595 in 2019)

Figure 87. Proportion of HIV-positive MSM on ART, of those aware of their status*

*Denominator is the number of participants who tested positive for HIV and were aware of their status (n=323 in 2019)

Hepatitis C

The proportion of MSM who had ever tested for hepatitis C was low overall (16.1%). Meiktila and Mandalay had the highest proportion of MSM who had tested for hepatitis C (41.1% and 28.2%, respectively). Pyay and Dawei had the lowest proportion of MSM who had tested for hepatitis C (3.7% and 5.7%, respectively).

Among those who had ever tested for hepatitis C, 44.7% had last tested within the last 12 months, 42.2% had tested between 12 months and 5 years ago, and 12.1% had tested over 5 years ago. The proportion of MSM who had tested for hepatitis C in the past 12 months was highest in Pathein (66.5%) and lowest in Pyay (33.1%).

Overall, 2.2% of MSM self-reported a positive hepatitis C result. Of those, 37.6% overall had sought treatment for hepatitis B. In Bago, Dawei, Pakkoku and Pathein, 100.0% of MSM who self-reported a positive hepatitis C result had sought treatment.

Hepatitis C prevalence was 1.3% overall and ranged from 0.0% in Dawei and Magway to 6.0% in Mandalay. Unlike the prevalence rates of HIV and other correlates of infection, hepatitis C prevalence in Yangon was similar to the all site average (1.5%).

Figure 88. Ever tested for hepatitis C

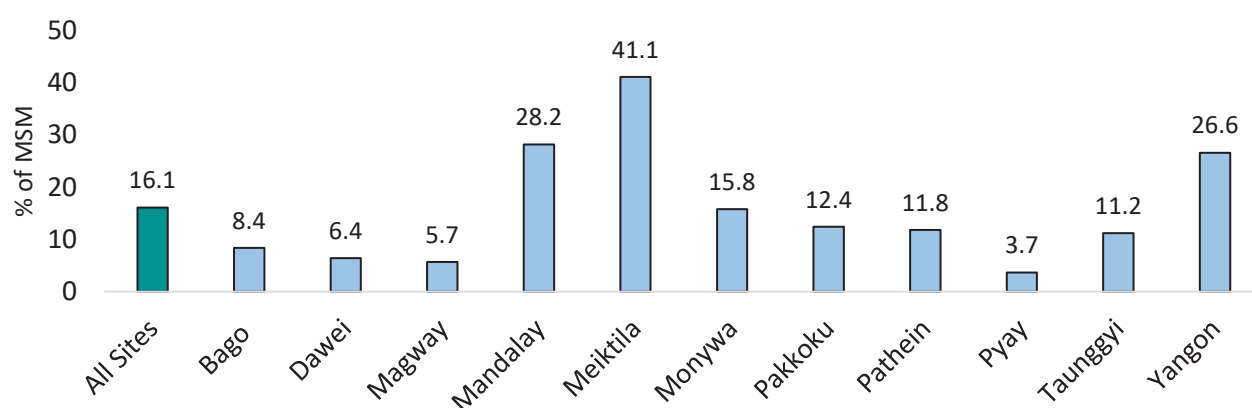
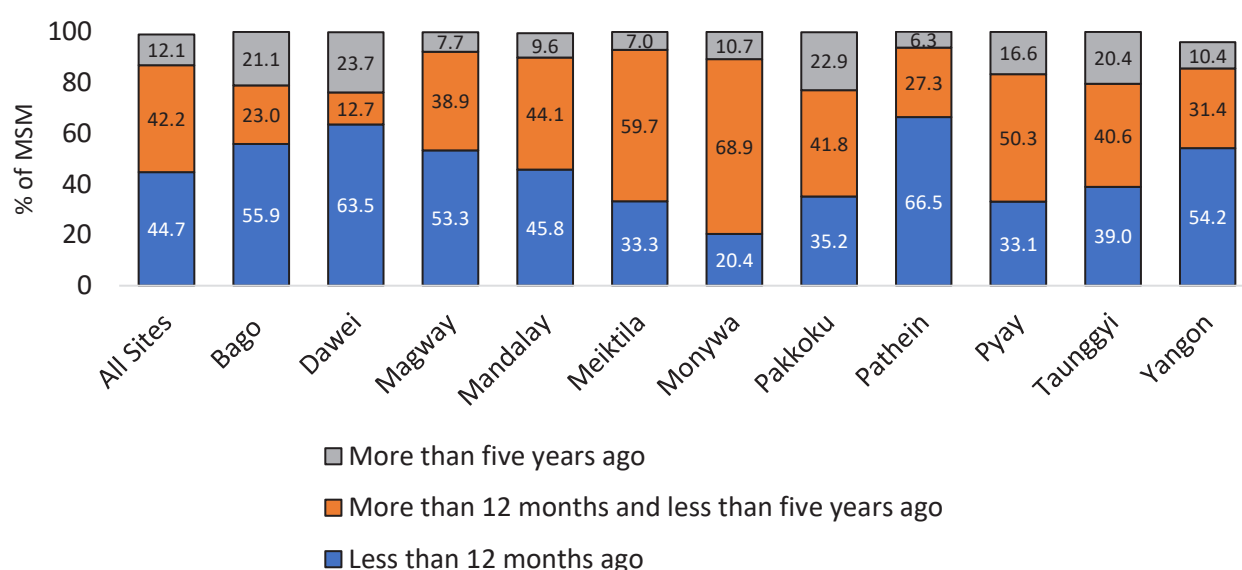


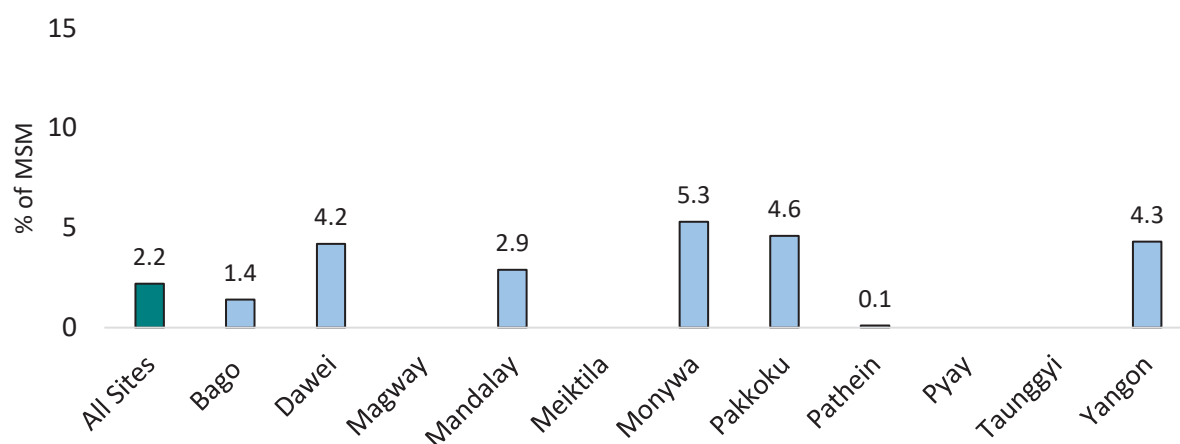
Figure 89. Last time tested for hepatitis C*^a



*Denominator is the number of participants who had ever tested for hepatitis C (n = 1039)

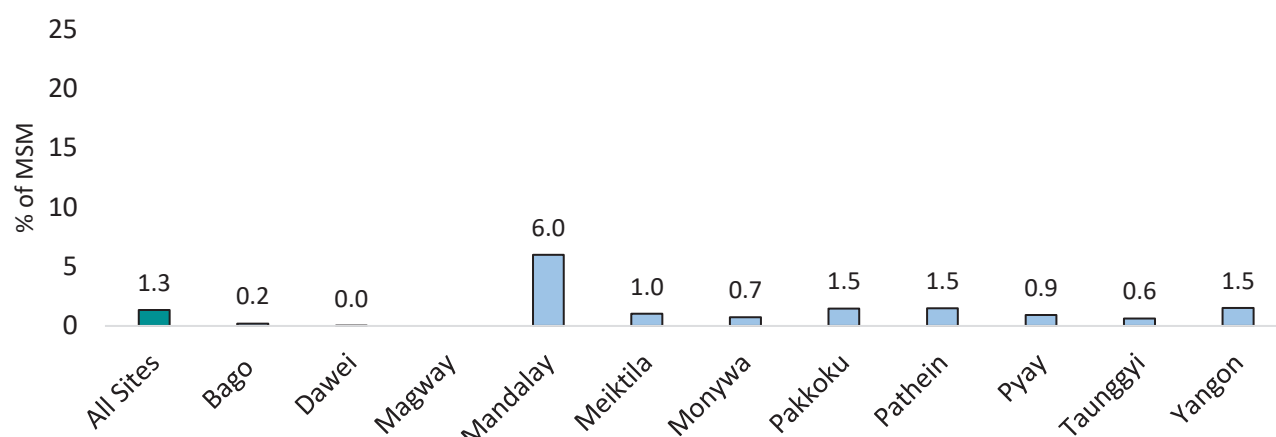
^aOverall, 1.0% of participants answered "don't know"

Figure 90. Self-reported hepatitis C status and treatment*^a



*Denominator is the number of participants who had ever tested for HCV (n = 1039)

^aOverall, 1.3% of participants answered "don't know" or "no answer" for HCV status

Figure 91. Hepatitis C prevalence^a

^aOverall, 4 participants had an indeterminate result

Hepatitis B

The proportion of MSM who had ever tested for hepatitis B was low overall (18.0%) and ranged from 4.7% in Pyaw to 41.8% in Meiktila. Among those who had ever tested for hepatitis B, 44.4% had last tested within the past 12 months, 41.1% had tested between 12 months and 5 years ago and 13.4% had tested over five years ago. The proportion of MSM who had tested for hepatitis B within the last 12 months ranged from 21.5% in Monywa to 71.2% in Dawei.

Among those who had ever tested for hepatitis B, 7.8% of MSM self-reported a positive hepatitis-B result. Of those, 58.0% had sought treatment for hepatitis B. However, the proportion of MSM who sought treatment for hepatitis B varied widely between sites and reached 100.0% in cities including Dawei, Monywa and Pakkoku.

Prevalence of hepatitis B was below 10.0% in all survey sites. Overall, hepatitis B prevalence was 5.5% overall and was as low as 2.6% in Pyaw. The two largest urban centers included as survey sites, Mandalay and Yangon, had two of the highest hepatitis B prevalence rates (9.2% and 6.7%, respectively).

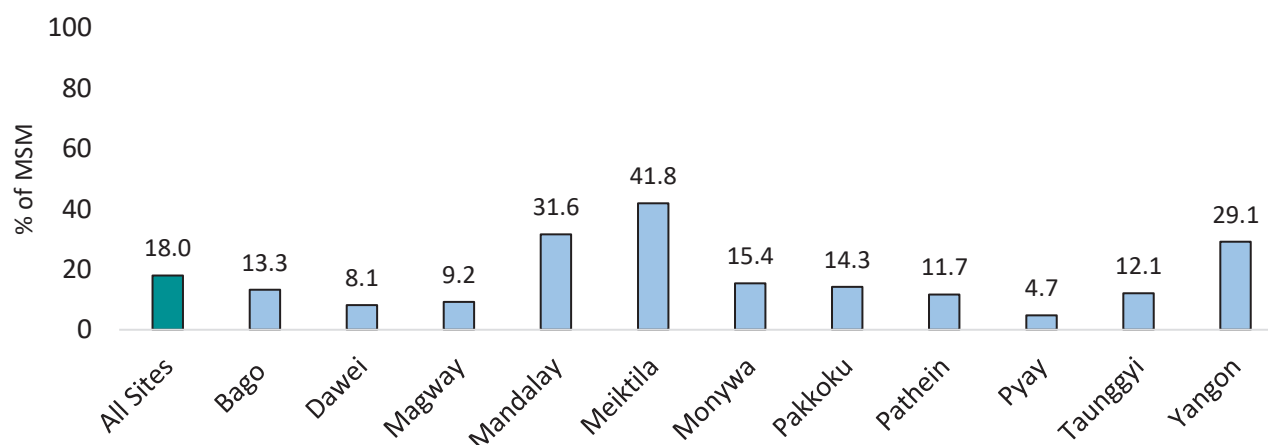
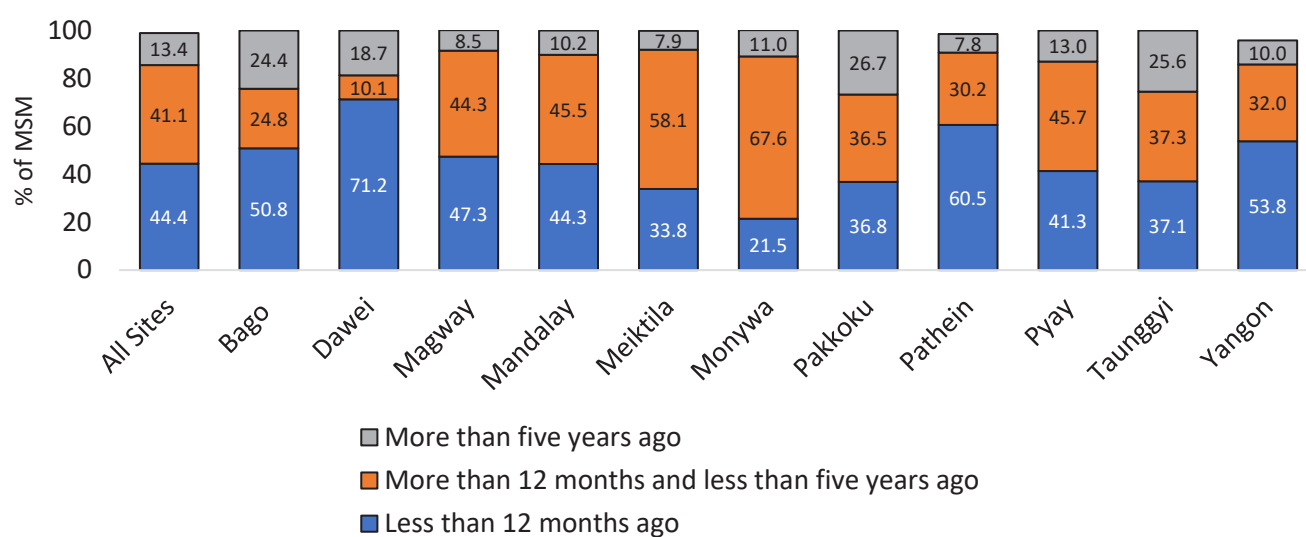
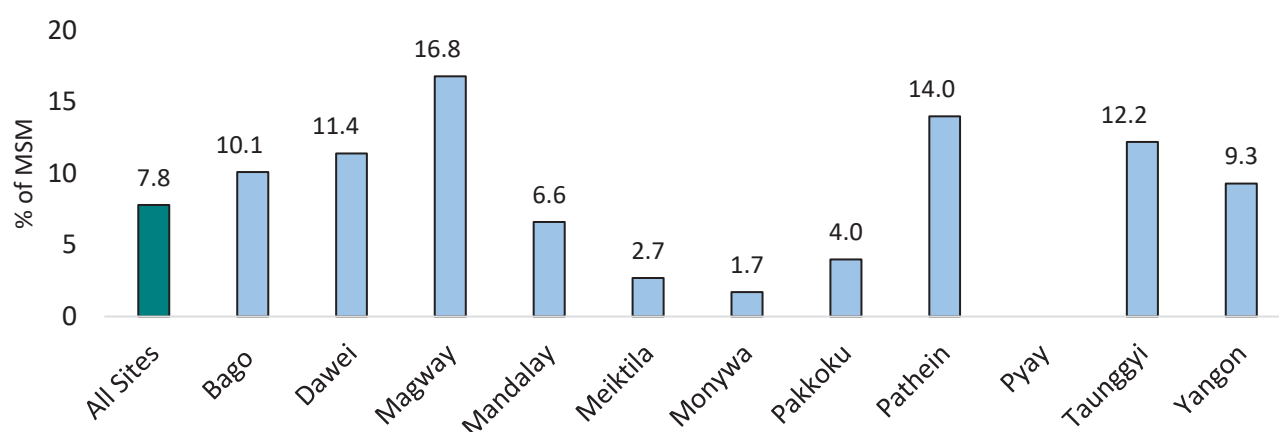
Figure 92. Ever tested for hepatitis B

Figure 93. Last time tested for hepatitis B^a


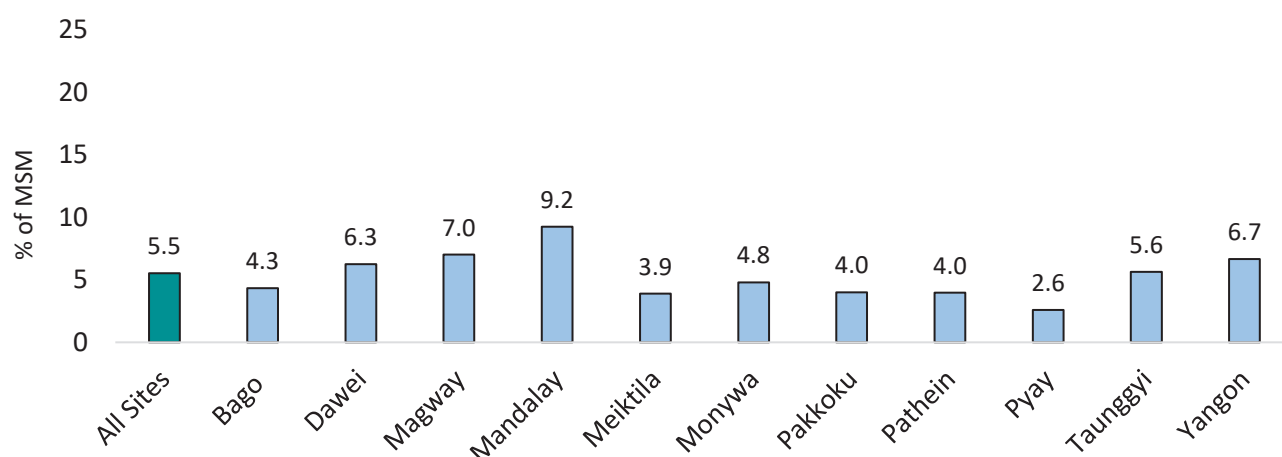
^aDenominator is the number of participants who had ever tested for hepatitis B (n = 1154)

^aOverall, 1.0% of participants answered "don't know"

Figure 94. Self-reported hepatitis B status and treatment^a


^aDenominator is the number of participants who had ever tested for HBV (n = 1154)

^aOverall, 2.0% of participants answered "don't know" or "no answer" for HBV status

Figure 95. Hepatitis B prevalence^a


Syphilis

Syphilis prevalence was 14.4% overall and was below 15% in all sites with the exception of Mandalay and Yangon, in which syphilis prevalence was noticeably higher. Syphilis prevalence was 25.3% and 40.0% in Mandalay and Yangon, respectively. When stratified by group identity, trends in syphilis prevalence were similar to trends in HIV prevalence. Generally, syphilis prevalence was highest among Apwint MSM, followed by Apone and Tha Nge, respectively. Overall, syphilis prevalence was 40.2% among Apwint MSM, 23.1% among Apone MSM, and 6.4% among Tha Nge MSM. Syphilis prevalence among Apwint MSM was as high as 59.9% in Yangon.

Figure 96. Syphilis prevalence

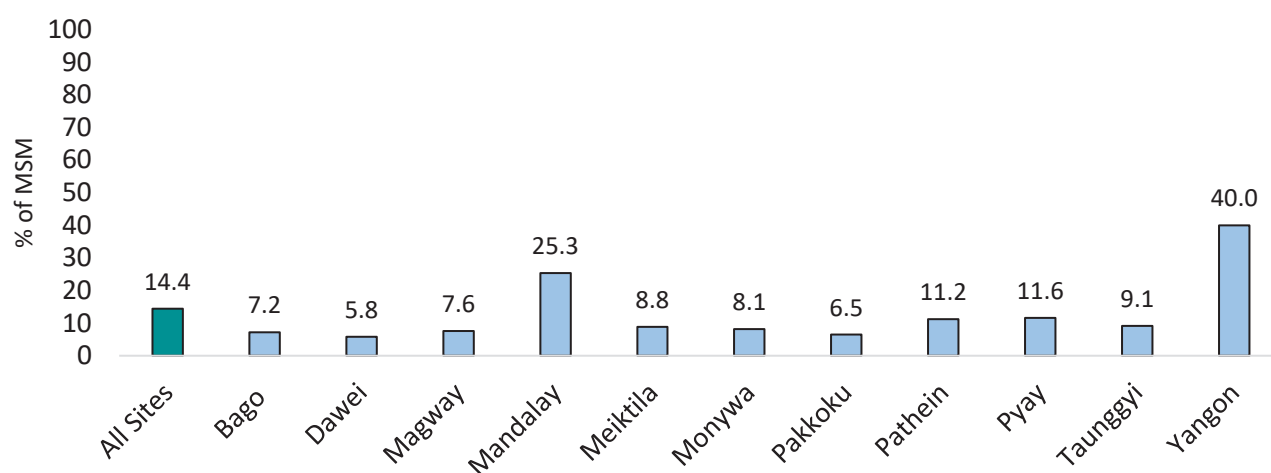
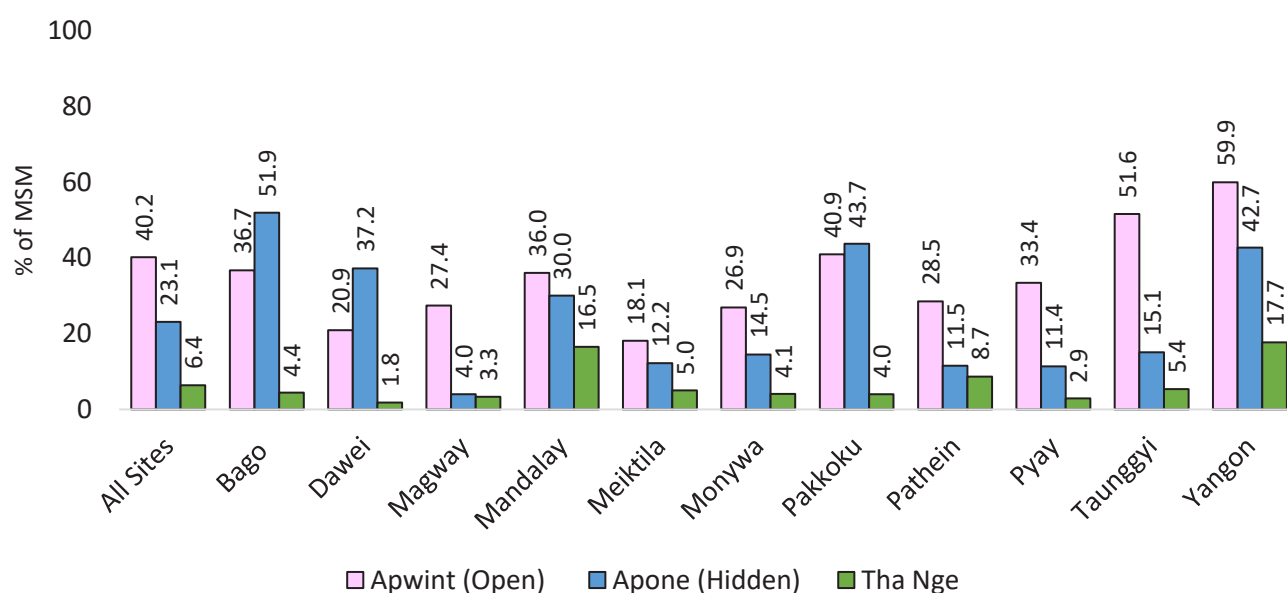


Figure 97. Syphilis prevalence by group identity

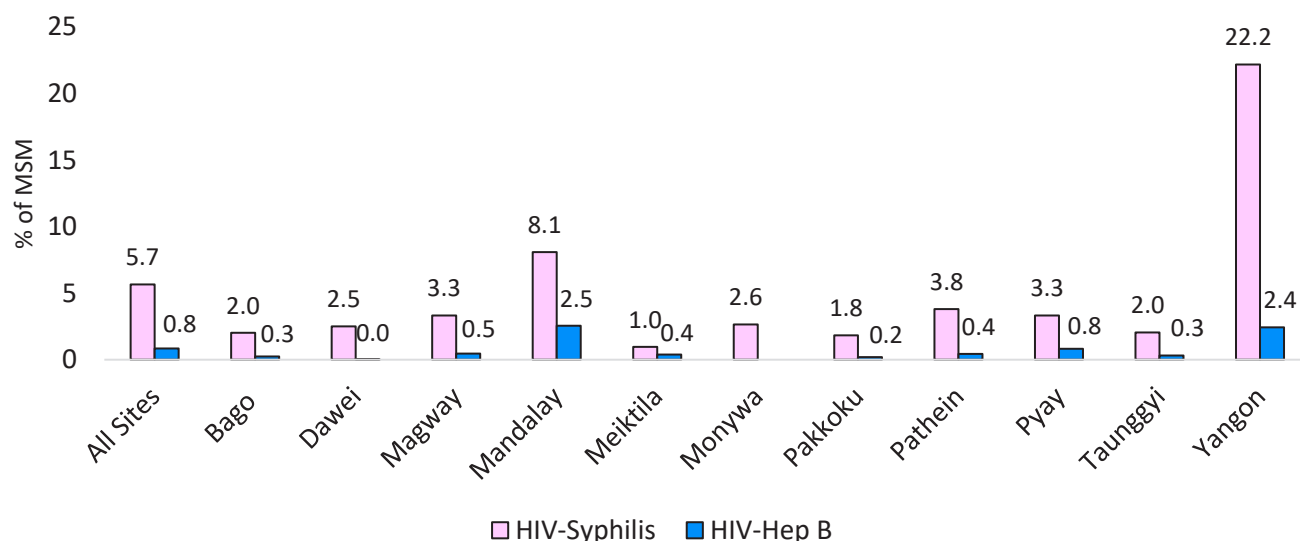


HIV co-infections

Overall, prevalence of HIV-syphilis co-infection was 5.7%. Meiktila had the lowest prevalence of HIV-syphilis co-infection (1.0%), while Yangon had the highest prevalence of HIV-syphilis co-infection

(22.2%). Prevalence of HIV-hepatitis B co-infection was 0.8% overall and ranged from 0% in Dawei and Monywa to 2.5% in Mandalay.

Figure 98. Prevalence of HIV co-infections



4. POPULATION SIZE ESTIMATES (PSE)

Overall, the MSM PSE for Myanmar was 134,000 (range: 91,200 - 185,500), which corresponds to 0.7% of the adult male population. The full PSE report comprised of state and regional estimated is mentioned in Annexes 7.2.

5. CONCLUSIONS

5.1. Key findings and implications

This survey represents the third time that an IBBS has been successfully implemented in Myanmar to measure HIV prevalence, associated risk behaviours, and population size estimates among MSM. Additionally, this is the first IBBS sampling from six additional sites that were included due to their high volume of KPs.

A total of 6,136 MSM were recruited across 11 survey sites. Overall, MSM tended to be young, with over 50% of participants under the age of 25. Results of the 2015 IBBS showed a similarly high proportion of MSM under the age of 25, although a noticeable decrease in the proportion of young MSM was observed in Patheingyi between survey years (70.0% in 2015 vs. 34.1% in 2019).

Most participants had never been married, had some formal education, and earned more than 100,000 MMK monthly. The majority of participants identified as male, although survey results demonstrate a noteworthy proportion of MSM who identified as female and transgender in certain survey sites including Yangon and Mandalay.

Results of this IBBS demonstrate the ongoing need for robust HIV prevention programs tailored to MSM, despite the improvements in HIV prevalence observed in select survey sites. HIV prevalence was 8.8% overall; this is well above the prevalence rate among Myanmar's general male population (15-49 years), which is 0.9% according to 2019 country estimates described in UNAIDS website². HIV prevalence was noticeably high in Yangon (28.3%), which is approximately 1% higher than in 2015. In comparison to the previous IBBS, decreases in HIV prevalence were observed in Patheingyi (7.0% in 2015 vs. 5.4% in 2019) and Pyaw (6.0% in 2015 vs. 5.4% in 2019). Mandalay demonstrated a particularly noticeable decrease in HIV prevalence between survey years (22% in 2015 vs. 14% in 2019). Additionally, prevalence results suggest that HIV prevention efforts should target specific groups of MSM, particularly Apwint-identifying MSM and MSM who had commercial sex partners. HIV prevalence was high among these groups, with a prevalence rate of 28.1% among Apwint MSM and 18.9% among those who had commercial sex partners in the past 12 months.

Current survey results also highlight the need for improved progress towards the 95-95-95 targets for MSM. Gaps in the first and third 95 targets of the care cascade indicate low awareness of HIV status and suboptimal treatment outcomes, while negative trends between survey years in certain sites indicate uneven success of HIV care programs for MSM. Overall, only 50% of HIV-positive MSM were aware of their status. The proportion of HIV-positive MSM who were aware of their status was similar between 2015 and 2019 in Monywa, while Pyaw demonstrated a 10% increase. However, a decrease in progress towards the 1st 95 was observed between survey years in Patheingyi, Yangon and Pyaw. Achievement towards the 2nd 95 was high overall in the current survey, with over 80% of those aware of their HIV-positive status linked to care. Select sites (Patheingyi, Monywa and Pyaw) demonstrated improvements in progress towards the 2nd 95, while others (Mandalay and Yangon) experienced a decrease. Only 51% of MSM in the current survey had viral suppression, which was not measured during previous rounds of the IBBS.

Targeted HIV outreach and messaging for MSM may help raise awareness of HIV transmission risks. Although a high proportion of participants had ever received information on HIV/AIDS, less than half of MSM demonstrated comprehensive HIV knowledge in line with the UNAIDS definition. Specifically, education regarding the clinical presentation of HIV is needed, given that the HIV knowledge question regarding whether or not a healthy looking person can have HIV was most frequently answered incorrectly and feeling healthy was one of the most frequently reported reasons for not testing for HIV. Additionally, comprehensive HIV knowledge was lower in 2019 compared to 2015 in several survey sites, with appreciable decreases observed in Mandalay (84% in 2015 vs. 56% in 2019) and Pyaw (82% in 2015 vs. 53% in 2019). However, it should be noted that the definition of comprehensive HIV knowledge in the current survey included one additional question regarding sharing needles and HIV risk. It is possible that the decrease in comprehensive HIV knowledge between survey rounds reflects, in part, a low awareness of HIV transmission risks associated with injection drug use and sharing of needles.

This survey also highlights the importance of expanding HIV testing services for MSM, as fewer than half of participants had ever tested for HIV. The proportion of MSM who had ever tested for HIV was noticeably low in Taunggyi, Pakkoku and Magway. Most MSM who had ever tested for HIV had received their last test more than 6 months ago, suggesting a need to keep MSM continually engaged in testing services. Increased accessibility and frequency of HIV testing among MSM will aid in the progress towards the first 95 of the HIV care cascade and ensure early initiation of ART treatment among HIV-positive MSM.

Data from the current IBBS highlights several HIV transmission risks among MSM. Although the median number of casual male partners reported by MSM in the current survey was lower when compared to the 2015 IBBS, a decrease in condom use at last sex with a casual male partner was observed between survey years in Patheingyi, Mandalay, Monywa and Pyaw. A decrease in condom use at last sex with a regular male partner was also observed between 2015 and 2019 in all sites included in both surveys. In the current survey, well below 50% of respondents reported having received free condoms or counseling on condom use and safe sex in the past three months. Together, these results highlight gaps in condom use outreach and underscore a need for targeted messaging regarding condoms and provision of free condoms to MSM.

Results of the current survey also suggest that condomless sex with female partners is a meaningful HIV transmission risk. A notable proportion of MSM reported being attracted to females and having female partners, and the proportion of participants who used a condom at last sex with a regular female partner was low (27% overall). This underscores the need for increased attention to HIV transmission between MSM and female partners. Prevention programs and HIV messaging tailored to adolescent MSM may also be important for curbing HIV transmission in this key population, as the median age of first anal sex was 18 years overall and was between 16 and 17 years in several sites.

The IBBS data demonstrate gaps in HIV prevention outreach and education for MSM. Although most MSM knew of a place to obtain condoms, nearly 40% of participants reported that they were not always able to get condoms when needed. Less than half of MSM had received free condoms or counselling on condom use and safe sex in the past three months. Only 53% and 61% of MSM reported using a condom at last sex with a regular and casual male partner, respectively.

The proportion of MSM who had tested for STIs in the past three months was low overall (18.7%), and less than 50% of MSM who had experienced STI symptoms had sought treatment. However, there was a wide range in the proportion of MSM who sought treatment for STIs, suggesting that STI education and treatment services is variable across survey sites.

Although the majority of MSM reported having never experienced physical violence or being forced to have sex due to their KP status, a noticeable proportion of participants reported acts of violence in certain sites. In Yangon, over 20% of MSM reported having ever experienced physical violence and having ever been forced to have sex. Approximately 35% and 25% of MSM reported having ever been harassed by police because of their KP status in Monywa and Mandalay, respectively, while 15% of participants overall reported having ever been afraid to seek healthcare. Violence prevention interventions and MSM-sensitization efforts for healthcare workers may play a meaningful role in HIV prevention and access to care for MSM.

5.2. Recommendations

Based on the results of the 2019 IBBS, the following recommendations are made to strengthen HIV programming for MSM in Myanmar:

MSM-specific recommendations

- Review current prevention strategies and **develop more effective strategies for reaching more vulnerable group such as hidden MSM**, young MSM with female partners and those having group sex
- Introduce new prevention and testing strategies targeting Thange MSM and consider providing incentives if resources are available.
- Explore reasons for not using condoms and develop alternative strategies to **improve access to free condoms** for Apone and Thange.
- **Identify sexual risks for HIV among TGW** and add relevant activities in current prevention package.
- **Conduct further studies related to PrEP** willingness, demand and feasibility.
- Conduct small studies to help **build a better understanding of syphilis prevalence, risk factors and prevention challenges**
- **Conduct sensitization workshops** in Bago and other select townships to lessen harassment of MSM by police due to KP status.
- **Enhance knowledge of sexual orientation and gender identity (SOGI) among service providers** in order to improve effectiveness of services for different types of MSM.

Recommendations for broader KP programming

- Accelerate effective health education activities to **increase comprehensive HIV knowledge** focusing on HIV-associated risks, consistent condom uses and access to services.
- Consider new innovative testing strategies to improve testing coverage (E.g., Index testing, Recency testing integrated with case-based surveillance and self-testing)
- **Promote combination prevention approaches** including Comprehensive Condom Programs (CCP) with inclusion of PrEP to accelerate prevention activities targeting KP.
- Develop and implement new testing strategies and more effective case detection strategies to **increase HIV testing coverage for hidden populations and young KP**.
- Ensure provision of ART information to KP to improve awareness of viral load status and improve viral load literacy.
- **Strengthen linkage to care** and rapid ART initiation among HIV-positive KP.
- Review current prevention strategies and revise to **reflect local context and KP needs**.

6. REFERENCES

1. Department of Population, Ministry of Labour, Immigration and Population, The Republic of the Union of Myanmar. Thematic report on population projections for the union of Myanmar, states/regions, rural and urban areas, 2014 - 2050. 2017
2. Myanmar Country Factsheet. UNAIDS. 2019.
3. National AIDS Programme. Myanmar Integrated Biological and Behavioural Surveillance Survey and Population Size Estimates among People Who Inject Drugs. 2015.
4. National AIDS Programme. Myanmar Integrated Biological and Behavioural Surveillance Survey and Population Size Estimates among Female Sex Workers. 2015.
5. National AIDS Programme. Myanmar Integrated Biological and Behavioural Surveillance Survey and Population Size Estimates among Men Who Have Sex with Men. 2015.
6. National AIDS Programme. Global AIDS Response Progress Report Myanmar. 2015.
7. Heckathorn DD. Respondent-Driven Sampling: A New Approach to the Study of Hidden Populations. *Soc Probl.* 1997;44(2):174-199. doi:10.2307/3096941

7. ANNEXES

7.1. Township profiles

MYANMAR MSM IBBS 2019: BAGO SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Bago	613	6	7	606

Socio-Demographics and Group Identity

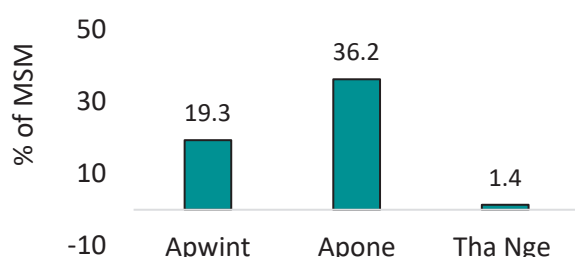
MSM Characteristics	Median	Range
Age	21	(16-48)
Monthly income (kyats)	200,000	(0-9,000,000)
	%	95% CI
<25 years of age	63.0	(58.2-67.9)
Currently married to a woman	31.1	(26.4-35.8)
Cannot read or write in Myanmar	4.4	(2.3-6.5)
Highest education attained ^a		
No formal education	2.3	(1.1-3.4)
1 st – 4 th standard	20.8	(16.9-24.7)
5 th – 8 th standard	37.2	(32.5-41.9)
9 th – 10 th standard	34.1	(29.2-38.9)
University/college	3.0	(1.7-4.4)
Group identity		
Apwint	4.4	(2.4-6.5)
Apone	2.8	(1.3-4.2)
Tha Nge	92.8	(90.4-95.3)
First sexual partner was male	86.9	(84.0-89.7)

^aRemaining 2.5% attended monastic education or did not answer

HIV Prevalence, Correlates of Infection and STIs

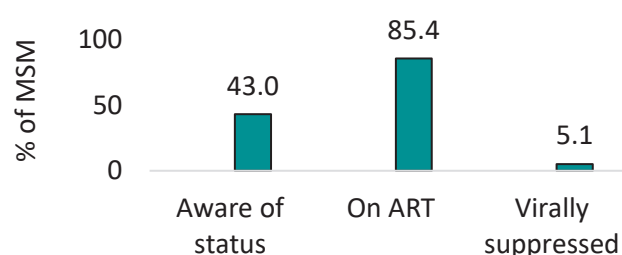
Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	3.1	(1.6-4.7)	Hepatitis C prevalence	0.2	(0.0-0.5)
HIV prevalence among those <25 years	2.7	(0.8-4.5)	Syphilis prevalence	7.2	(4.6-9.7)
Hepatitis B prevalence	4.3	(2.6-6.0)	Any STI symptom (past 12 mo.)	22.0	(18.1-25.8)

HIV Prevalence by Group Identity^a



^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)

HIV Care Cascade (95-95-95 Targets)^a



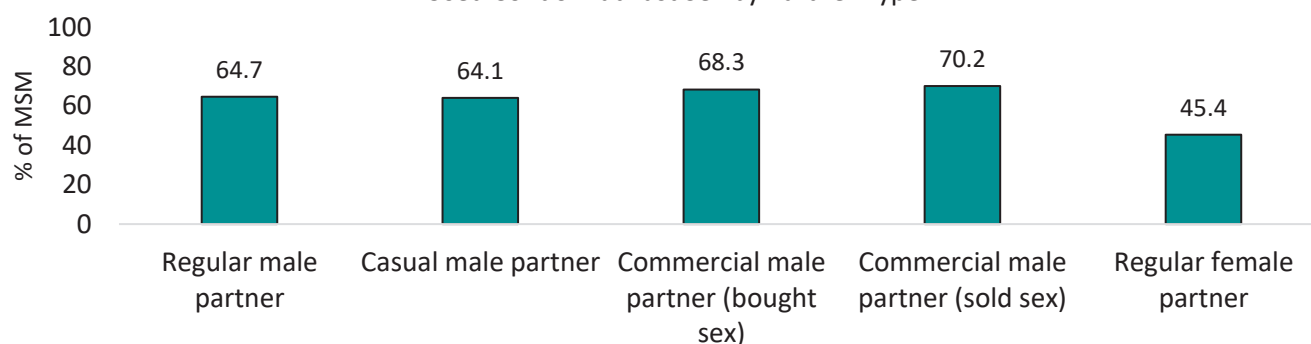
^a69.2% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	4	(0-500)	Always use condom (regular partner) ^a	26	(16.8-35.3)
Regular male partners	4	(1-150)	Always use condom (casual partner) ^a	32.6	(26.7-38.4)
Casual male partners	3	(0-200)	Always use condom (bought sex) ^a	34.3	(16.5-52.1)
Partners respondent paid for sex	2	(0-45)	Always use condom (sold sex) ^a	32.9	(18.1-47.8)
Partners paid respondent for sex	2	(0-300)	Always use condom (female partner) ^a	14.9	(7.6-22.2)
Regular female partners	2	(0-40)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"

Used Condom at Last Sex by Partner Type

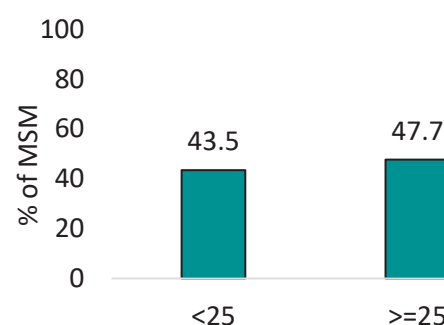
**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	8.9	(6.4-11.4)
Forced to have sex	13.7	(10.6-16.8)
Harassed by authorities	19.0	(15.4-22.6)
Afraid of seeking healthcare	13.0	(9.5-16.6)
Rejected by family	10.1	(7.5-12.7)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	82.7	(79.2-86.1)
Aware of HIV/AIDS treatment	65.7	(61.3-70.2)
Comprehensive HIV knowledge	58.6	(53.9-63.3)
Ever tested for HIV	45.0	(40.1-50.0)
Received result of last HIV test	99.7	(99.2-100.0)
Received free condoms, past 3 months	49.3	(44.3-54.3)
Received safe sex counseling, past 3 months	37.1	(32.2-41.9)

Ever Tested for HIV by Age

**Population Size Estimation**

Bago Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
3,791		

MYANMAR MSM IBBS 2019: DAWEI SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Tanintharyi	419	7	12	407

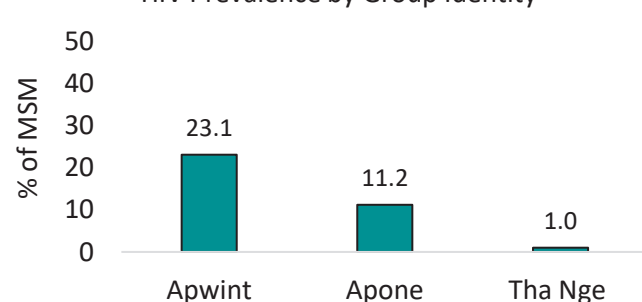
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	21	(15-67)
Monthly income (MMK)	180,000	(0-3,500,000)
	%	95% CI
<25 years of age	61.8	(55.2-68.4)
Currently married to a woman	14.8	(9.8-19.7)
Cannot read or write in Myanmar	11.0	(6.2-15.8)
Highest education attained ^a		
No formal education	0.3	(0.0-1.0)
1 st – 4 th standard	16.8	(11.8-21.8)
5 th – 8 th standard	25.5	(19.7-31.3)
9 th – 10 th standard	43.0	(36.3-49.7)
University/college	11.4	(7.1-15.7)
Group identity ^b		
Apwint	9.9	(6.0-13.8)
Apone	5.8	(3.0-8.7)
Tha Nge	83.6	(78.8-88.4)
First sexual partner was male	84.8	(79.4-90.2)

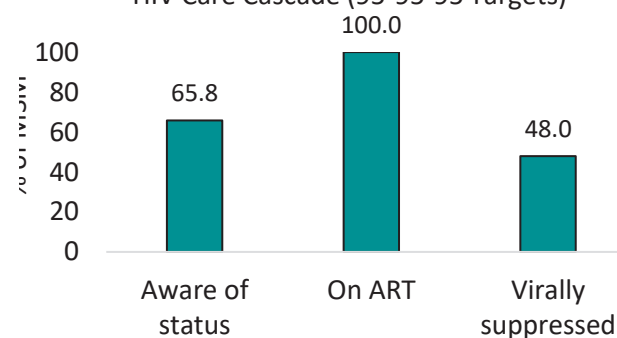
^aRemaining 3.0% attended monastic education or vocational training school

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	3.8	(1.3-6.3)	Hepatitis C prevalence	0.0	(0.0-0.0)
HIV prevalence among those <25 years	1.2	(0.0-2.5)	Syphilis prevalence	5.8	(2.6-8.7)
Hepatitis B prevalence	6.3	(2.8-9.7)	Any STI symptom (past 12 mo.)	14.8	(10.4-19.2)

HIV Prevalence by Group Identity^a

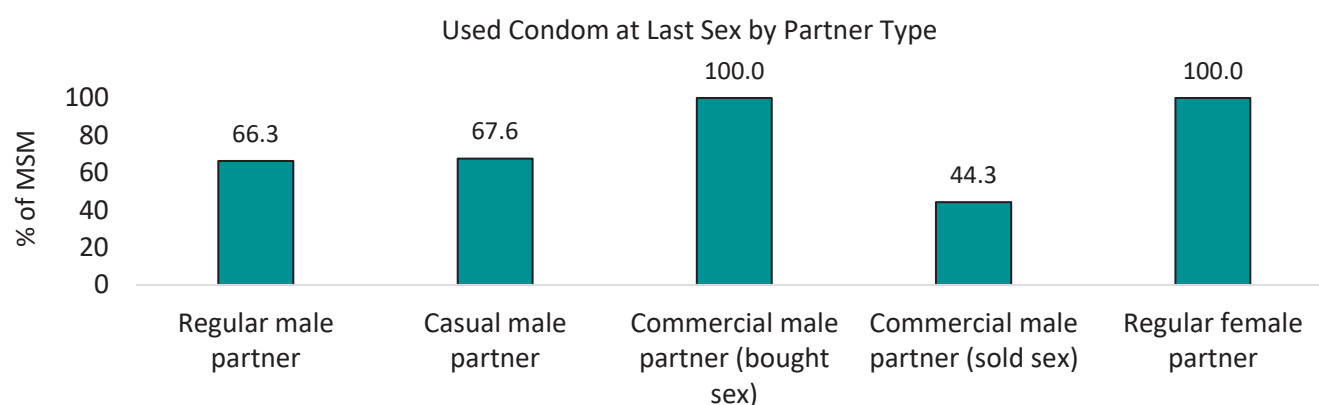
^bDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)

HIV Care Cascade (95-95-95 Targets)^a

^a26% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

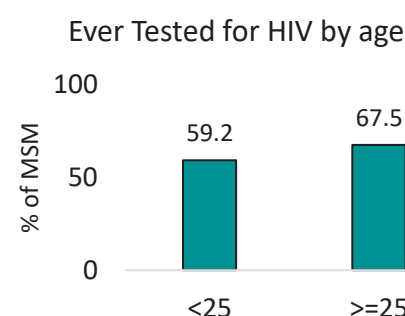
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	1	(1-30)	Always use condom (regular partner) ^a	64.1	(50.0-78.1)
Regular male partners	1	(0-10)	Always use condom (casual partner) ^a	53.0	(43.9-62.1)
Casual male partners	1	(1-30)	Always use condom (bought sex) ^a	33.3	(0.0-100.0)
Partners respondent paid for sex	1	(1-2)	Always use condom (sold sex) ^a	28.6	(0.0-100.0)
Partners paid respondent for sex	3	(1-10)	Always use condom (female partner) ^a	33.4	(0.0-100.0)
Regular female partners	1	(1-1)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	2.6	2.6 (0.5-4.7)
Forced to have sex	3.5	3.5 (1.0-5.9)
Harassed by authorities	1.1	1.1 (0.0-2.5)
Afraid of seeking healthcare	4.6	4.6 (1.5-7.6)
Rejected by family	4.3	4.2 (1.5-7.0)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	90.4	(86.3-94.4)
Aware of HIV/AIDS treatment	60.1	(53.8-66.5)
Comprehensive HIV knowledge	38.7	(31.9-45.5)
Ever tested for HIV	62.4	(56.1-68.6)
Received result of last HIV test	97.9	(95.0-100.0)
Received free condoms, past 3 months	43.8	(37.1-50.4)
Received safe sex counseling, past 3 months	38.0	(31.5-44.6)

**Population Size Estimation**

Dawei Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
1,249		

MYANMAR MSM IBBS 2019: MAGWAY SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Magway	567	3	3	564

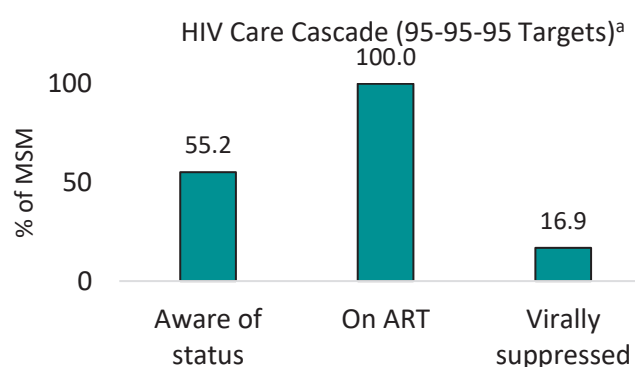
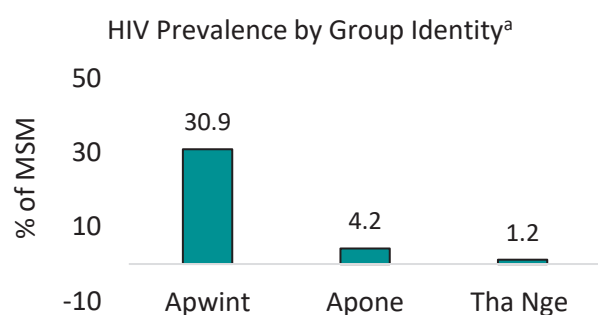
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	25	(17-57)
Monthly income (MMK)	200,000	(15,000-2,000,000)
	%	95% CI
<25 years of age	48.7	(43.6-53.8)
Currently married to a woman	25.2	(20.7-29.8)
Cannot read or write in Myanmar	4.9	(2.8-7.1)
Highest education attained ^a		
No formal education	1.9	(0.7-3.0)
1 st – 4 th standard	18.8	(14.8-22.9)
5 th – 8 th standard	39.0	(34.0-44.0)
9 th – 10 th standard	29.5	(25.0-34.1)
University/college	5.9	(3.4-8.3)
Group identity		
Apwint	17.6	(13.9-21.4)
Apone	10.0	(7.0-12.9)
Tha Nge	72.4	(67.9-76.8)
First sexual partner was male	77.8	(73.4-82.2)

^aRemaining 4.9% attended monastic education or vocational training school

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	6.8	(4.2-9.3)	Hepatitis C prevalence	0.0	(0.0-0.0)
HIV prevalence among those <25 years	2.6	(0.8-4.4)	Syphilis prevalence	7.6	(5.1-10.0)
Hepatitis B prevalence	7.0	(4.4-9.6)	Any STI symptom (past 12 mo.)	24.2	(19.7-28.7)

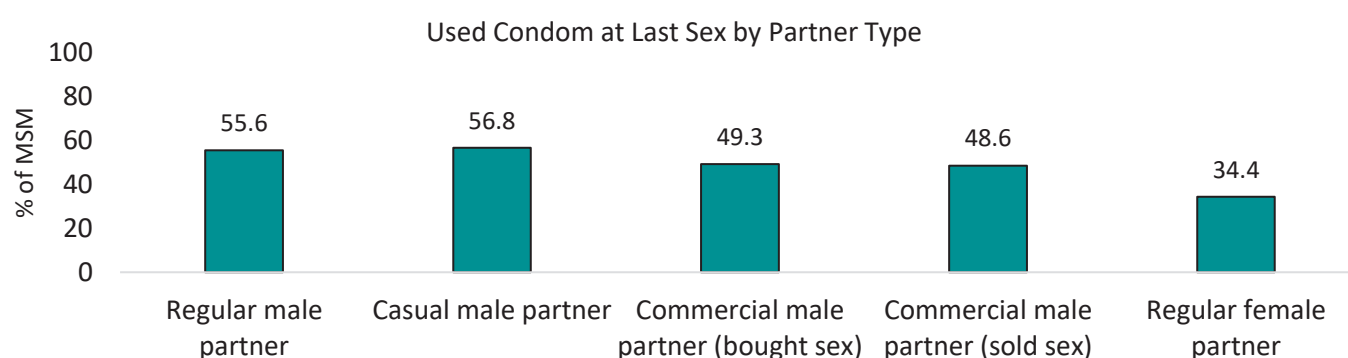


^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)

^a54.0% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

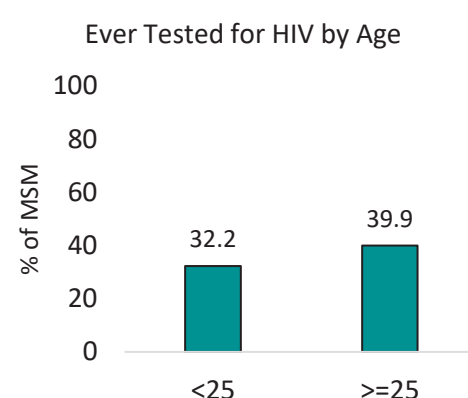
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	3	(1-250)	Always use condom (regular partner) ^a	44.5	(36.5-52.5)
Regular male partners	1	(1-80)	Always use condom (casual partner) ^a	48.1	(42.3-53.9)
Casual male partners	3	(1-200)	Always use condom (bought sex) ^a	32.4	(0.0-69.3)
Partners respondent paid for sex	1	(1-20)	Always use condom (sold sex) ^a	35.9	(19.1-52.8)
Partners paid respondent for sex	2	(1-50)	Always use condom (female partner) ^a	25.8	(14.7-36.9)
Regular female partners	1	(1-12)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	6.0	3.5-8.5
Forced to have sex	10.4	7.2-13.6
Harassed by authorities	3.8	1.8-5.7
Afraid of seeking healthcare	14.0	10.1-17.9
Rejected by family	5.7	3.2-8.3

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	90.2	(87.2-93.2)
Aware of HIV/AIDS treatment	65.4	(60.7-70.1)
Comprehensive HIV knowledge	51.5	(46.4-56.6)
Ever tested for HIV	36.2	(31.3-41.1)
Received result of last HIV test	97.1	(94.7-99.6)
Received free condoms, past 3 months	43.8	(38.7-48.9)
Received safe sex counseling, past 3 months	26.7	(22.2-31.2)

**Population Size Estimation**

Magway Consensus Estimate	Size as % of 15+ Male Population	Estimated Population	Adult	Male
1,397				

MYANMAR MSM IBBS 2019: MANDALAY SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Mandalay	725	6	19	706

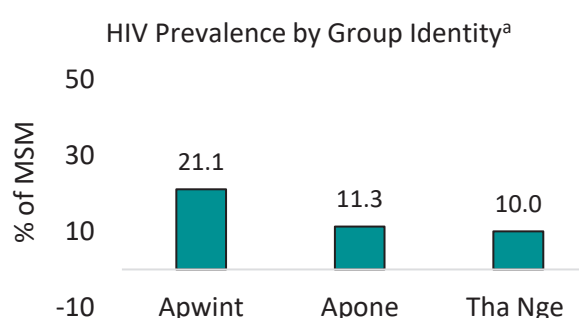
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	23	(16-60)
Monthly income (kyats)	220,000	(0-2,500,000)
	%	95% CI
<25 years of age	58.9	(54.7-63.1)
Currently married to a woman	3.4	(1.5-5.2)
Cannot read or write in Myanmar	1.6	(0.6-2.7)
Highest education attained ^a		
No formal education	1.3	(0.4-2.3)
1 st – 4 th standard	9.2	(6.8-11.6)
5 th – 8 th standard	31.0	(27.1-34.9)
9 th – 10 th standard	36.9	(32.8-40.9)
University/college	20.2	(16.7-23.8)
Group identity		
Apwint	30.7	(27.0-34.4)
Apone	21.2	(17.7-24.7)
Tha Nge	48.1	(43.9-52.4)
First sexual partner was male	80.6	(77.1-84.1)

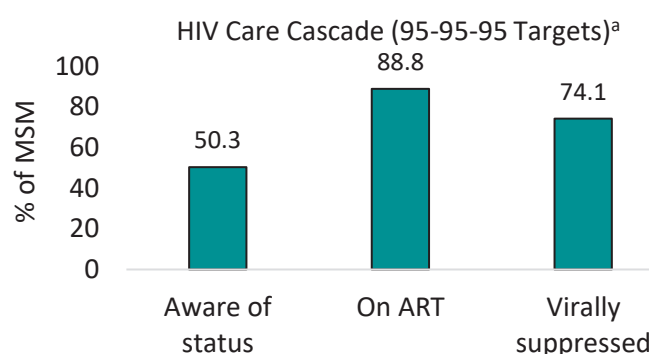
^aRemaining 1.4% attended monastic education or did not answer

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	13.7	(10.9-16.4)	Hepatitis C prevalence	6.0	(3.8-8.1)
2015 IBBS HIV prevalence	22.0	(14.0-30.0)	Syphilis prevalence	25.3	(21.6-29.0)
HIV prevalence among those <25 years	6.0	(3.7-8.3)	Any STI symptom (past 12mo.)	21.6	(17.9-25.3)
Hepatitis B prevalence	9.2	(6.7-11.8)			



^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



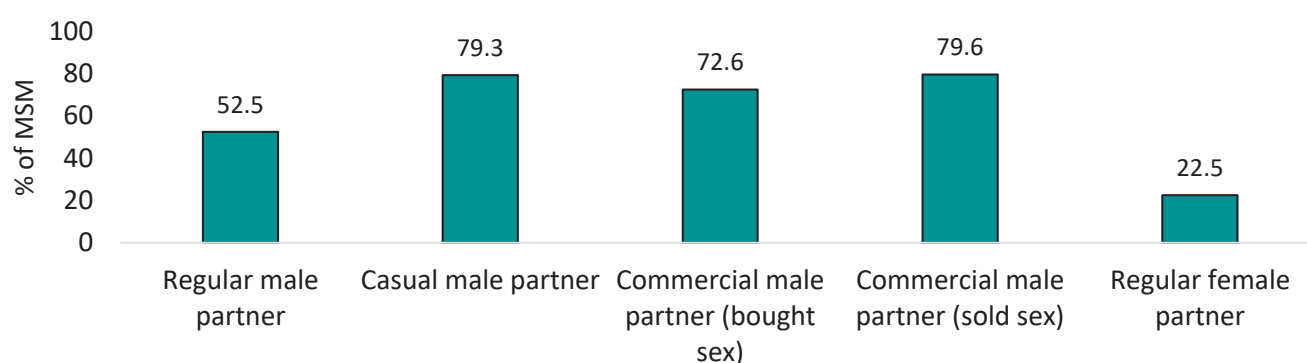
^a19.8% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	9	(1-400)	Always use condom (regular partner) ^a	39.6	(34.2-44.9)
Regular male partners	1	(0-360)	Always use condom (casual partner) ^a	55.6	(50.3-60.9)
Casual male partners	10	(1-372)	Always use condom (bought sex) ^a	62.4	(49.7-75.0)
Partners respondent paid for sex	3	(0-124)	Always use condom (sold sex) ^a	58.1	(50.1-66.1)
Partners paid respondent for sex	4	(0-387)	Always use condom (female partner) ^a	13.3	(5.2-21.5)
Regular female partners	1	(0-15)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"

Used Condom at Last Sex by Partner Type

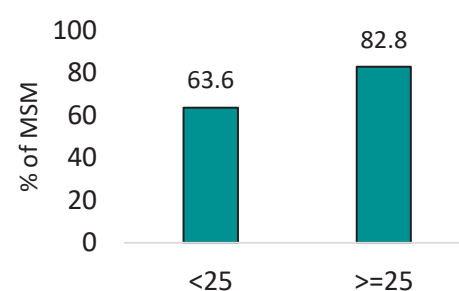
**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	14.1	(11.3-17.0)
Forced to have sex	22.8	(19.1-26.5)
Harassed by authorities	24.9	(21.2-28.6)
Afraid of seeking healthcare	22.2	(18.8-25.6)
Rejected by family	21.6	(18.1-25.0)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	97.4	(96.1-98.6)
Aware of HIV/AIDS treatment	91.1	(88.7-93.6)
Comprehensive HIV knowledge	56.5	(52.3-60.7)
Ever tested for HIV	71.5	(67.6-75.4)
Received result of last HIV test	98.0	(96.7-99.2)
Received free condoms, past 3 months	52.0	(47.7-56.3)
Received safe sex counseling, past 3 months	32.8	(28.9-36.6)

Ever Tested for HIV by Age

**Population Size Estimation**

Mandalay Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
8,095		

MYANMAR MSM IBBS 2019: MEIKTILA SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Mandalay	563	5	10	553

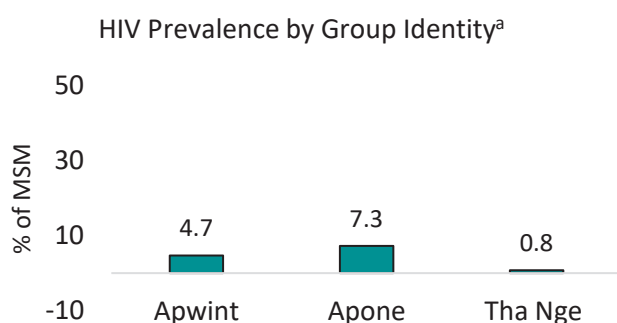
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	24	(17-46)
Monthly income (kyats)	200,000	(0-7,000,000)
	%	95% CI
<25 years of age	59.3	(54.4-64.1)
Currently married to a woman	5.7	(3.4-8.0)
Cannot read or write in Myanmar	0.4	(0.0-0.9)
Highest education attained ^a		
No formal education	0.7	(0.0-1.5)
1 st – 4 th standard	4.1	(1.9-6.3)
5 th – 8 th standard	20.1	(15.8-24.4)
9 th – 10 th standard	30.7	(26.2-35.3)
University/college	41.8	(36.9-46.7)
Group identity		
Apwint	14.5	(11.2-17.7)
Apone	24.6	(20.4-28.8)
Tha Nge	60.8	(55.9-65.6)
First sexual partner was male	75.3	(71.0-79.5)

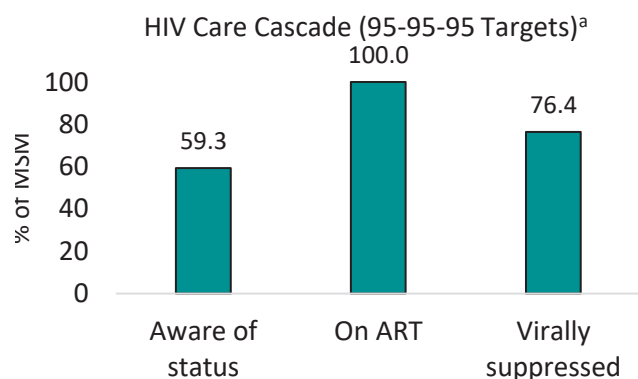
^aRemaining 2.6% attended monastic education, vocational training school or did not answer

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	3.0	(1.2-4.7)	Hepatitis C prevalence	1.0	(0.0-2.3)
HIV prevalence among those <25 years	1.3	(0.0-2.6)	Syphilis prevalence	8.8	(5.9-11.7)
Hepatitis B prevalence	3.9	(2.0-5.8)	Any STI symptom (past 12 mo.)	11.4	(7.8-14.9)



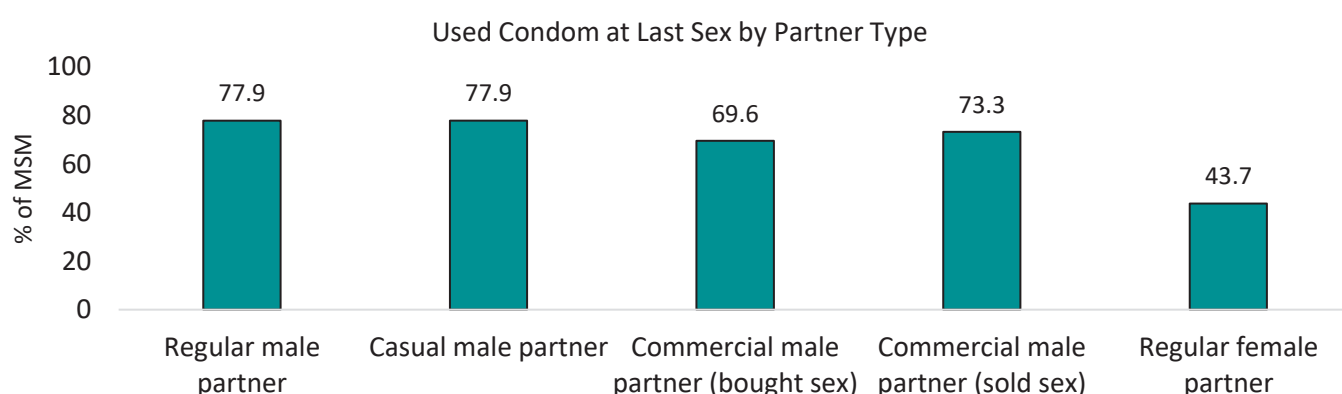
^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



^a23.5% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

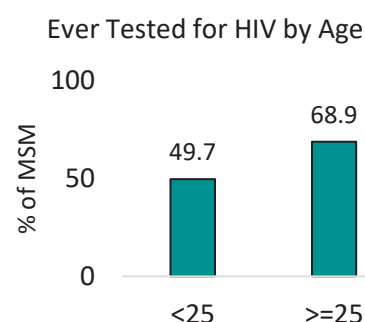
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	2	(1-70)	Always use condom (regular partner) ^a	64.6	(57.2-72.0)
Regular male partners	1	(1-15)	Always use condom (casual partner) ^a	65.0	(58.3-71.8)
Casual male partners	2	(0-70)	Always use condom (bought sex) ^a	46.2	(0.0-92.5)
Partners respondent paid for sex	2	(1-5)	Always use condom (sold sex) ^a	61.2	(34.7-87.6)
Partners paid respondent for sex	2	(1-40)	Always use condom (female partner) ^a	46.7	(31.1-62.3)
Regular female partners	1	(0-5)	Most common condom source ^b	Buy them myself	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	5.6	(3.5-7.7)
Forced to have sex	7.9	(5.3-10.5)
Harassed by authorities	6.1	(3.9-8.2)
Afraid of seeking healthcare	10.1	(7.4-12.8)
Rejected by family	7.1	(4.4-9.9)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	96.9	(95.1-98.7)
Aware of HIV/AIDS treatment	86.1	(82.7-89.4)
Comprehensive HIV knowledge	52.1	(47.1-57.1)
Ever tested for HIV	57.5	(52.4-62.6)
Received result of last HIV test	99.2	(98.1-100.0)
Received free condoms, past 3 months	31.7	(27.2-36.2)
Received safe sex counseling, past 3 months	23.5	(19.6-27.4)

**Population Size Estimation**

Meiktila Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
1,362		

MYANMAR MSM IBBS 2019: MONYWA SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Monywa	528	4	18	510

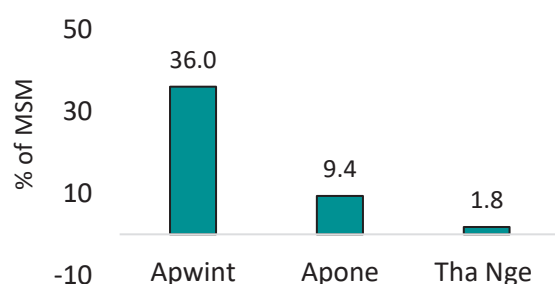
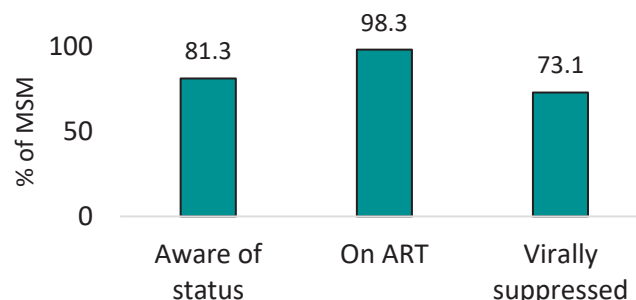
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	21	(15-64)
Monthly income (kyats)	180,000	(0-1,500,000)
	%	95% CI
<25 years of age	67.9	(63.0-72.8)
Currently married to a woman	9.8	(6.7-13.0)
Cannot read or write in Myanmar	2.5	(0.9-4.2)
Highest education attained ^a		
No formal education	0.0	(0.0-0.0)
1 st – 4 th standard	2.6	(0.8-4.4)
5 th – 8 th standard	24.5	(19.9-29.1)
9 th – 10 th standard	36.5	(31.3-41.7)
University/college	9.0	(6.2-11.7)
Group identity		
Apwint	10.9	(7.8-14.1)
Apone	15.1	(11.4-18.8)
Tha Nge	74.0	(69.5-78.5)
First sexual partner was male	85.5	(82.0-89.0)

^aRemaining 27.5% attended monastic education or vocational school training

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	6.7	(4.2-9.2)	Hepatitis C prevalence	0.7	(0.1-1.4)
2015 IBBS HIV prevalence	6.0	(4.0-9.0)	Syphilis prevalence	8.1	(5.5-10.8)
HIV prevalence among those <25 years	2.2	(0.0-4.3)	Any STI symptom (past 12 mo.)	15.2	(11.2-19.2)
Hepatitis B prevalence	4.8	(2.2-7.4)			

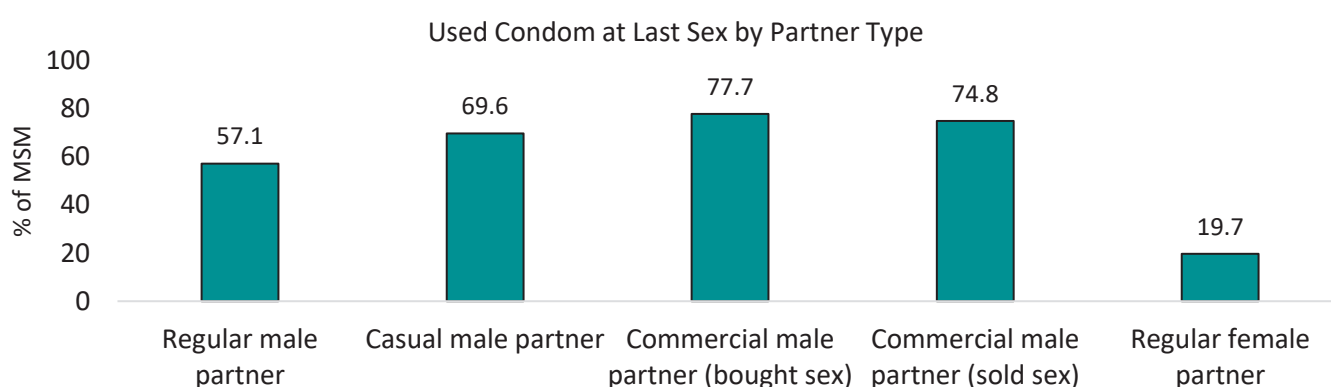
HIV Prevalence by Group Identity^a**HIV Care Cascade (95-95-95 Targets)^a**

^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)

^a18.2% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

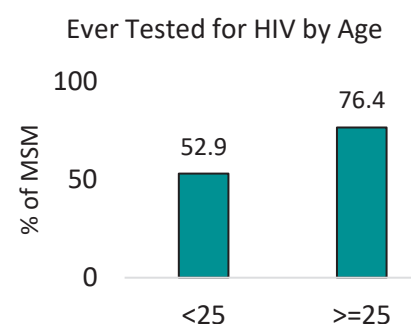
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	5	(1-480)	Always use condom (regular partner) ^a	37.0	(27.4-46.5)
Regular male partners	1	(0-13)	Always use condom (casual partner) ^a	51.0	(44.6-57.4)
Casual male partners	5	(0-460)	Always use condom (bought sex) ^a	32.6	(4.6-60.6)
Partners respondent paid for sex	2	(0-40)	Always use condom (sold sex) ^a	57.7	(39.9-75.4)
Partners paid respondent for sex	2	(0-300)	Always use condom (female partner) ^a	13.2	(5.8-20.6)
Regular female partners	1	(0-9)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	4.3	(63.0-72.8)
Forced to have sex	6.9	(2.0-6.6)
Harassed by authorities	34.0	(4.5-9.2)
Afraid of seeking healthcare	31.1	(29.1-38.9)
Rejected by family	4.8	(26.0-36.2)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	94.4	(91.2-97.6)
Aware of HIV/AIDS treatment	63.3	(57.8-68.7)
Comprehensive HIV knowledge	48.6	(43.3-53.9)
Ever tested for HIV	60.5	(55.2-65.8)
Received result of last HIV test	99.2	(98.0-100.0)
Received free condoms, past 3 months	44.0	(38.8-49.3)
Received safe sex counseling, past 3 months	36.0	(31.1-41.0)

**Population Size Estimation**

Monywa Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
2,282		

MYANMAR MSM IBBS 2019: PAKKOKU SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Magway	521	5	22	499

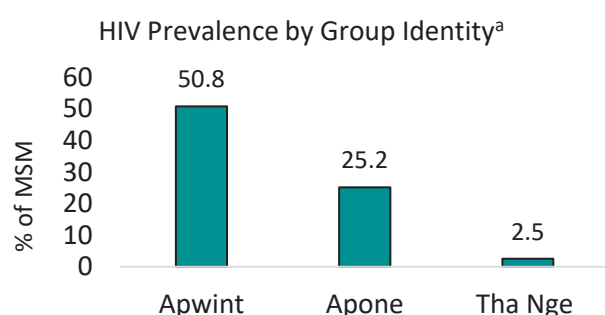
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	30	(17-64)
Monthly income (kyats)	180,000	(0-9,000,000)
	%	95% CI
<25 years of age	30.2	(25.6-34.8)
Currently married to a woman	48.4	(43.4-53.4)
Cannot read or write in Myanmar	6.6	(3.8-9.5)
Highest education attained ^a		
No formal education	3.6	(1.5-5.6)
1 st – 4 th standard	32.1	(27.4-36.8)
5 th – 8 th standard	35.9	(31.1-40.7)
9 th – 10 th standard	18.6	(14.8-22.5)
University/college	5.8	(3.7-7.9)
Group identity		
Apwint	5.1	(2.9-7.4)
Apone	1.4	(0.5-2.4)
Tha Nge	93.4	(91.0-95.8)
First sexual partner was male	38.8	(33.9-43.7)

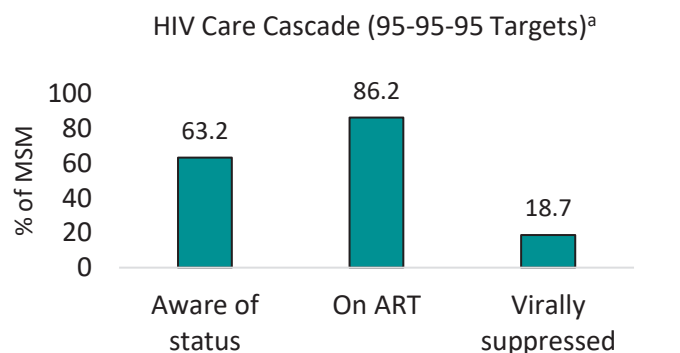
^aRemaining 4.0% attended monastic education

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	5.3	(2.9-7.6)	Hepatitis C prevalence	1.5	(0.0-2.9)
HIV prevalence among those <25 years	2.3	(0.0-4.7)	Syphilis prevalence	6.5	(4.2-8.7)
Hepatitis B prevalence	4.0	(1.7-6.3)	Any STI symptom (past 12 mo.)	20.8	(16.4-25.1)



^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



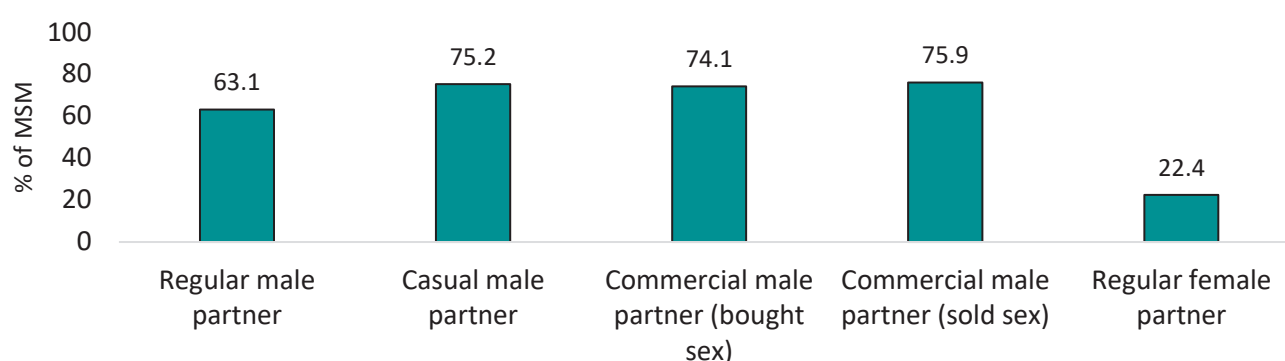
^a70.3% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	2	(1-200)	Always use condom (regular partner) ^a	40.3	(25.5-55.2)
Regular male partners	1	(0-10)	Always use condom (casual partner) ^a	59.3	(50.8-67.8)
Casual male partners	2	(1-500)	Always use condom (bought sex) ^a	65.5	(38.8-92.1)
Partners respondent paid for sex	3	(1-30)	Always use condom (sold sex) ^a	61.8	(39.9-83.7)
Partners paid respondent for sex	1	(0-100)	Always use condom (female partner) ^a	17.5	(10.5-24.5)
Regular female partners	1	(0-30)	Most common condom source ^b	Partner provides	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"

Used Condom at Last Sex by Partner Type

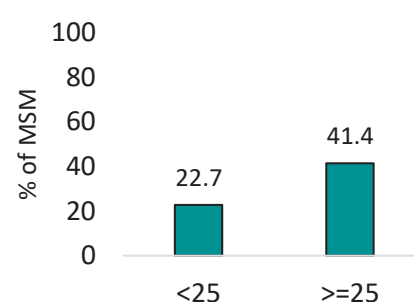
**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	3.6	(1.8-5.5)
Forced to have sex	2.1	(0.9-3.3)
Harassed by authorities	2.4	(0.8-4.0)
Afraid of seeking healthcare	23.4	(19.2-27.6)
Rejected by family	6.2	(3.8-8.7)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	94.6	(92.2-96.9)
Aware of HIV/AIDS treatment	87.1	(83.5-90.7)
Comprehensive HIV knowledge	33.2	(28.6-37.7)
Ever tested for HIV	35.8	(31.0-40.5)
Received result of last HIV test	97.6	(95.2-100.0)
Received free condoms, past 3 months	25.9	(21.4-30.4)
Received safe sex counseling, past 3 months	24.8	(20.4-29.2)

Ever Tested for HIV by Age

**Population Size Estimation**

Pakkoku Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
1,120		

MYANMAR MSM IBBS 2019: PATHEIN SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Ayawaddy	600	8	38	562

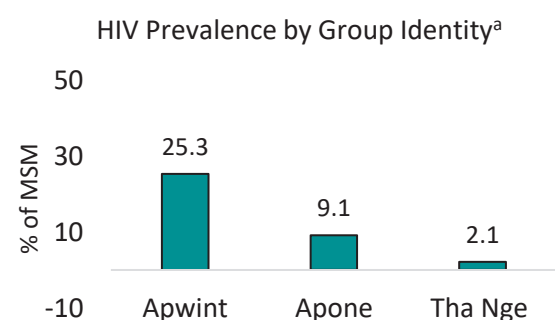
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	27	(15-68)
Monthly income (kyats)	200,000	(99-1,800,000)
	%	95% CI
<25 years of age	34.1	(29.6-38.5)
Currently married to a woman	30.1	(25.6-34.6)
Cannot read or write in Myanmar	4.5	(2.3-6.7)
Highest education attained ^a		
No formal education	3.7	(1.8-5.6)
1 st – 4 th standard	19.8	(15.8-23.9)
5 th – 8 th standard	30.9	(26.4-35.4)
9 th – 10 th standard	32.9	(28.4-37.4)
University/college	11.4	(8.5-14.4)
Group identity		
Apwint	11.2	(8.4-13.9)
Apone	11.0	(8.2-13.7)
Tha Nge	77.9	(74.1-81.6)
First sexual partner was male	73.4	(69.1-77.8)

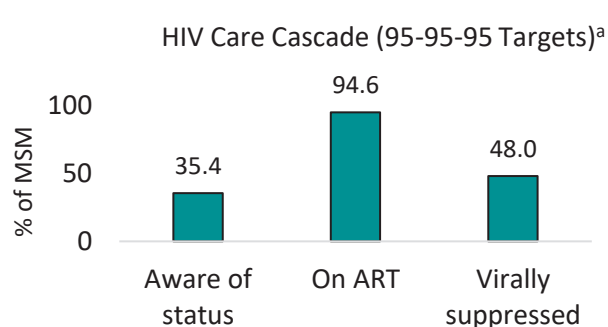
^aRemaining 1.3% attended monastic education or vocational school

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	5.4	(3.2-7.6)	Hepatitis C prevalence	1.5	(0.2-2.8)
2015 IBBS HIV prevalence	7.0	(4.0-9.0)	Syphilis prevalence	11.2	(8.3-14.1)
HIV prevalence among those <25 years	5.4	(1.7-9.1)	Any STI symptom (past 12 mo.)	43.1	(38.3-47.9)
Hepatitis B prevalence	4.0	(1.9-6.1)			



^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



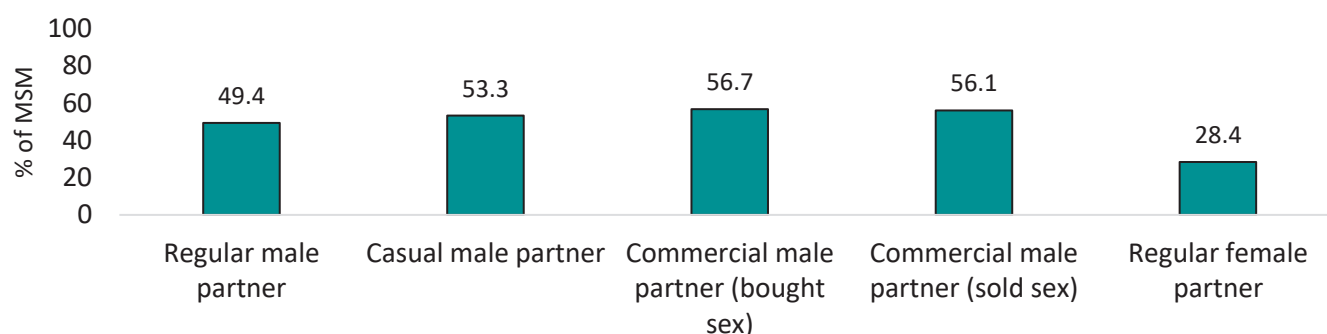
^a41.8% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	3	(1-200)	Always use condom (regular partner) ^a	49.2	(41.7-56.8)
Regular male partners	1	(1-18)	Always use condom (casual partner) ^a	44.1	(37.3-50.9)
Casual male partners	2	(1-200)	Always use condom (bought sex) ^a	8.9	(0.0-34.0)
Partners respondent paid for sex	2	(1-20)	Always use condom (sold sex) ^a	54.0	(23.2-84.8)
Partners paid respondent for sex	2	(1-200)	Always use condom (female partner) ^a	35.2	(26.3-44.1)
Regular female partners	1	(0-20)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"

Used Condom at Last Sex by Partner Type

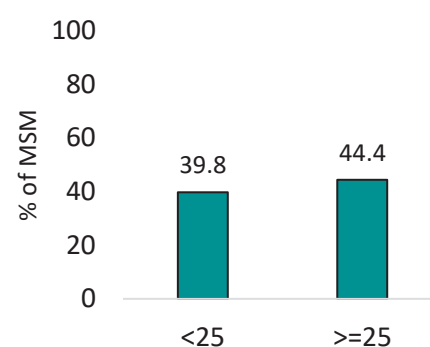
**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	11.0	(7.8-14.1)
Forced to have sex	15.8	(12.1-19.5)
Harassed by authorities	11.5	(8.6-14.4)
Afraid of seeking healthcare	15.6	(12.3-18.9)
Rejected by family	9.7	(7.0-12.4)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	91.0	(88.4-93.6)
Aware of HIV/AIDS treatment	64.7	(60.0-69.5)
Comprehensive HIV knowledge	49.2	(44.3-54.0)
Ever tested for HIV	42.8	(38.1-47.6)
Received result of last HIV test	96.7	(94.4-99.0)
Received free condoms, past 3 months	35.9	(31.3-40.5)
Received safe sex counseling, past 3 months	23.0	(19.2-26.8)

Ever Tested for HIV by Age

**Population Size Estimation**

Pathein Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
3,621		

MYANMAR MSM IBBS 2019: PYAY SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Bago	452	5	27	425

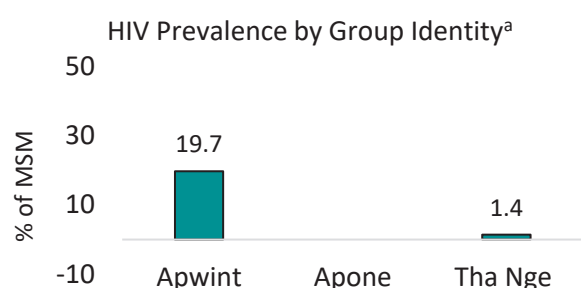
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	23	(17-68)
Monthly income (kyats)	180,000	(20,000-600,000)
	%	95% CI
<25 years of age	60.2	(55.3-65.0)
Currently married to a woman	14.7	(11.1-18.3)
Cannot read or write in Myanmar	1.5	(0.4-2.7)
Highest education attained ^a		
No formal education	1.5	(0.4-2.7)
1 st – 4 th standard	12.6	(9.2-16.1)
5 th – 8 th standard	30.6	(26.1-35.1)
9 th – 10 th standard	37.7	(32.9-42.5)
University/college	17.3	(13.6-20.9)
Group identity		
Apwint	23.2	(19.2-27.1)
Apone	18.6	(14.7-22.5)
Tha Nge	58.2	(53.4-63.0)
First sexual partner was male	91.4	(88.4-94.3)

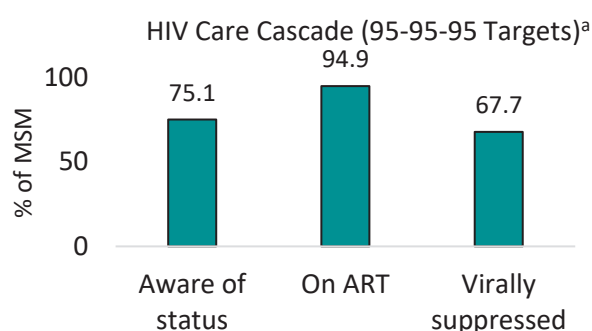
^aRemaining 0.2% attended vocational school or did not answer

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	5.4	(3.3-7.5)	Hepatitis C prevalence	0.9	(0.0-1.9)
2015 IBBS HIV prevalence	6.0	(4.0-9.0)	Syphilis prevalence	11.6	(8.6-14.5)
HIV prevalence among those <25 years	4.3	(1.9-6.7)	Any STI symptom (past 12 mo.)	7.2	(4.7-9.7)
Hepatitis B prevalence	2.6	(0.8-4.3)			



^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)

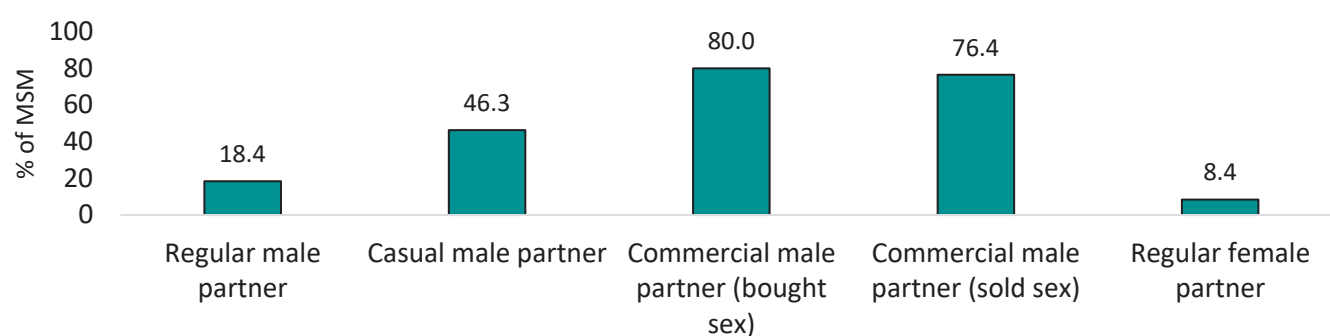


^a10.8% had not tested for VL, did not remember or did not respond

Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	3	(1-250)	Always use condom (regular partner) ^a	19.4	(12.4-26.5)
Regular male partners	1	(1-50)	Always use condom (casual partner) ^a	36.5	(30.8-42.3)
Casual male partners	5	(1-250)	Always use condom (bought sex) ^a	50.0	(0.0-100)
Partners respondent paid for sex	3	(2-5)	Always use condom (sold sex) ^a	44.5	(15.2-73.9)
Partners paid respondent for sex	57	(1-150)	Always use condom (female partner) ^a	6.7	(2.0-11.4)
Regular female partners	1	(1-2)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"

Used Condom at Last Sex by Partner Type

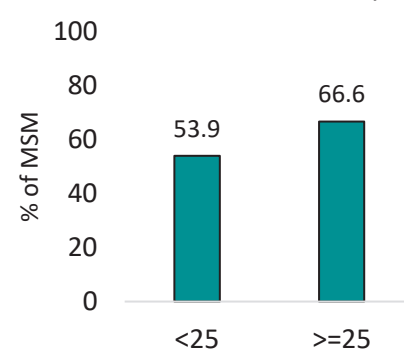
**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	3.9	(1.9-5.9)
Forced to have sex	5.8	(3.4-8.2)
Harassed by authorities	2.5	(1.1-3.9)
Afraid of seeking healthcare	3.6	(1.9-5.3)
Rejected by family	3.1	(1.2-5.0)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	96.4	(94.4-98.4)
Aware of HIV/AIDS treatment	92.8	(90.2-95.5)
Comprehensive HIV knowledge	53.3	(48.3-58.2)
Ever tested for HIV	58.9	(54.0-63.9)
Received result of last HIV test	99.3	(98.3-100.0)
Received free condoms, past 3 months	44.1	(39.2-48.9)
Received safe sex counseling, past 3 months	38.2	(33.5-42.9)

Ever Tested for HIV by Age

**Population Size Estimation**

Pyay Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
2,273		

MYANMAR MSM IBBS 2019: TAUNGGYI SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Shan (S)	614	8	13	601

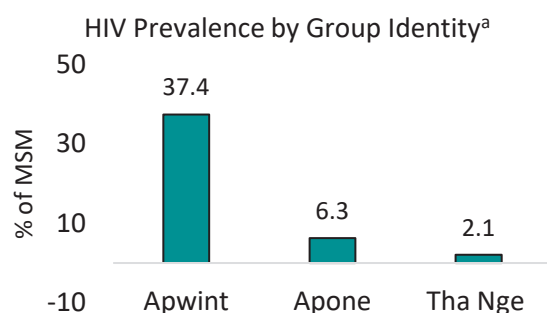
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	24	(16-60)
Monthly income (kyats)	200,000	(0-1,000,000)
	%	95% CI
<25 years of age	50.1	(45.5-54.8)
Currently married to a woman	29.2	(25.0-33.4)
Cannot read or write in Myanmar	4.9	(2.9-6.9)
Highest education attained ^a		
No formal education	4.5	(2.6-6.4)
1 st – 4 th standard	21.8	(17.9-25.7)
5 th – 8 th standard	32.2	(27.9-36.5)
9 th – 10 th standard	32.4	(28.1-36.7)
University/college	7.6	(5.1-10.0)
Group identity		
Apwint	3.3	(1.7-4.8)
Apone	22.7	(18.7-26.7)
Tha Nge	74.0	(69.9-78.2)
First sexual partner was male	62.0	(57.4-66.5)

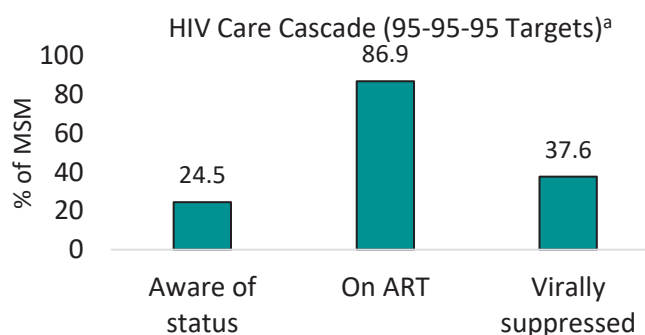
^aRemaining 1.5% attended monastic education

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence	4.2	(2.4-6.0)	Hepatitis C prevalence	0.6	(0.0-1.4)
HIV prevalence among those <25 years	4.7	(1.9-7.4)	Syphilis prevalence	9.1	(6.5-11.8)
Hepatitis B prevalence	5.6	(3.5-7.8)	Any STI symptom (past 12 mo.)	26.1	(21.9-30.2)



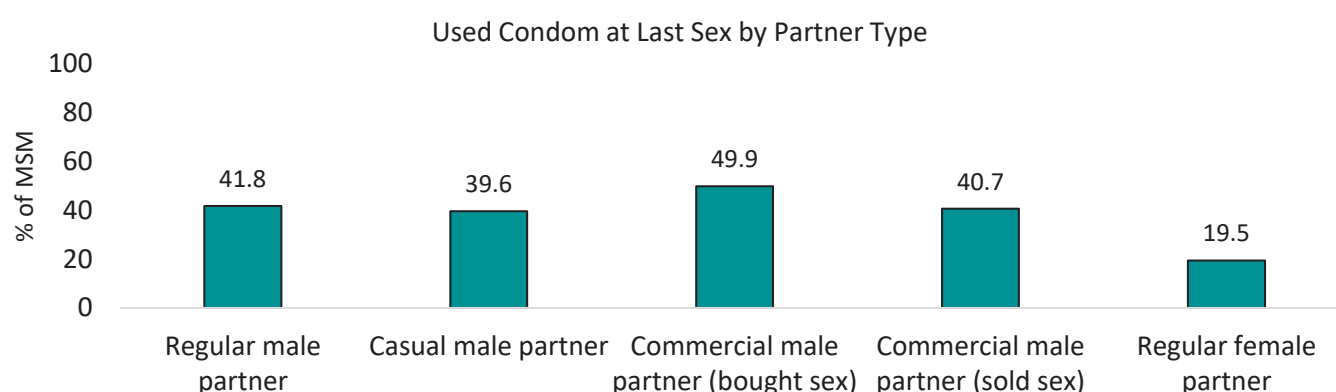
^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



^a62.4% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

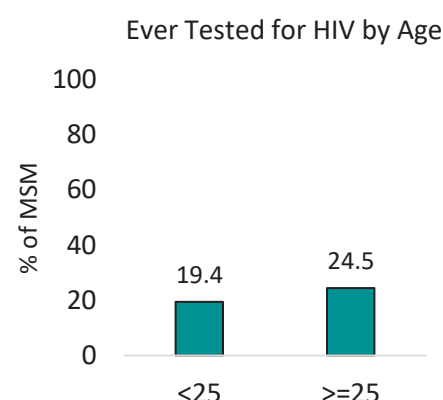
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	1	(1-230)	Always use condom (regular partner) ^a	25.6	(14.9-36.3)
Regular male partners	1	(1-50)	Always use condom (casual partner) ^a	24.8	(17.8-31.8)
Casual male partners	1	(0-110)	Always use condom (bought sex) ^a	16.9	(0.0-100.0)
Partners respondent paid for sex	1	(1-80)	Always use condom (sold sex) ^a	22.0	(0.0-46.5)
Partners paid respondent for sex	1	(0-120)	Always use condom (female partner) ^a	5.8	(0.0-11.7)
Regular female partners	1	(0-8)	Most common condom source ^b	Never get condom	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	0.8	(0.1-1.4)
Forced to have sex	6.1	(3.9-8.3)
Harassed by authorities	2.8	(1.3-4.3)
Afraid of seeking healthcare	6.4	(4.1-8.7)
Rejected by family	1.5	(0.3-2.6)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	88.4	(85.5-91.4)
Aware of HIV/AIDS treatment	72.7	(68.6-76.7)
Comprehensive HIV knowledge	18.6	(15.0-22.0)
Ever tested for HIV	22.0	(18.1-25.8)
Received result of last HIV test	95.1	(90.8-99.5)
Received free condoms, past 3 months	23.9	(19.9-27.9)
Received safe sex counseling, past 3 months	24.4	(20.3-28.5)

**Population Size Estimation**

Taunggyi Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
1,778		

MYANMAR MSM IBBS 2019: YANGON SITE PROFILE

The Integrated Biological and Behavioural Survey (IBBS) among men who have sex with men (MSM) was conducted in 2019 in 11 select sites in Myanmar. The overall objectives of the survey were to 1) estimate the prevalence of HIV, HBV, HCV, STI and associated risk behaviours among MSM, 2) assess HIV-related knowledge and attitudes among MSM, 3) estimate the HIV care cascade among MSM living with HIV and 4) estimate the population size of MSM in the survey cities. The survey was led by the National AIDS Programme with support from ICAP at Columbia University, the United States Centre for Disease Control and Prevention (CDC) and UNAIDS.

Sample Size and Network Characteristics

State/Division	Enrolled	Seeds	Non-Eligible/Refused	Participated
Yangon	735	14	31	704

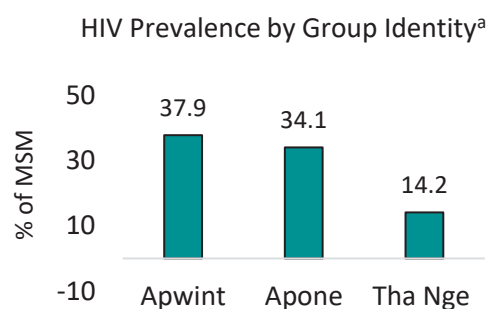
Socio-Demographics and Group Identity

MSM Characteristics	Median	Range
Age	24	(15-73)
Monthly income (kyats)	220,000	(0-5,000,000)
	%	95% CI
<25 years of age	48.6	(44.1-53.0)
Currently married to a woman	4.3	(2.5-6.1)
Cannot read or write in Myanmar	3.8	(2.2-5.4)
Highest education attained ^a		
No formal education	2.6	(1.1-4.1)
1 st – 4 th standard	9.9	(7.4-12.4)
5 th – 8 th standard	26.0	(22.1-29.9)
9 th – 10 th standard	38.4	(34.1-42.7)
University/college	22.2	(18.4-26.0)
Group identity		
Apwint	36.5	(32.2-40.8)
Apone	27.7	(23.7-31.6)
Tha Nge	35.7	(31.4-40.0)
First sexual partner was male	85.4	(82.2-88.6)

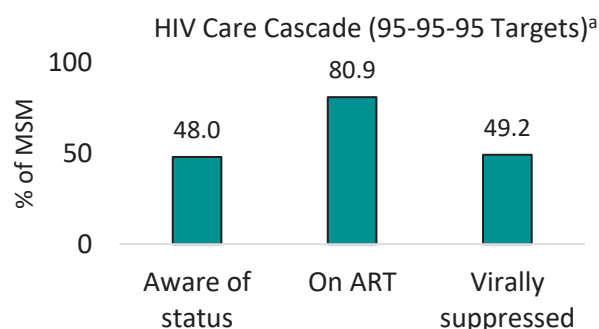
^aRemaining 0.9% attended monastic education or vocational training school

HIV Prevalence, Correlates of Infection and STIs

Prevalence	%	95% CI	Prevalence	%	95% CI
Overall HIV prevalence ^a	28.3	(24.5-32.2)	Hepatitis C prevalence	1.5	(0.4-2.6)
2015 IBBS HIV prevalence	27.0	(18.0-35.0)	Syphilis prevalence	40.0	(35.7-44.3)
HIV prevalence among those <25 years	19.4	(14.3-24.5)	Any STI symptom (past 12 mo)	23.1	(19.5-26.7)
Hepatitis B prevalence	6.7	(4.5-8.9)			



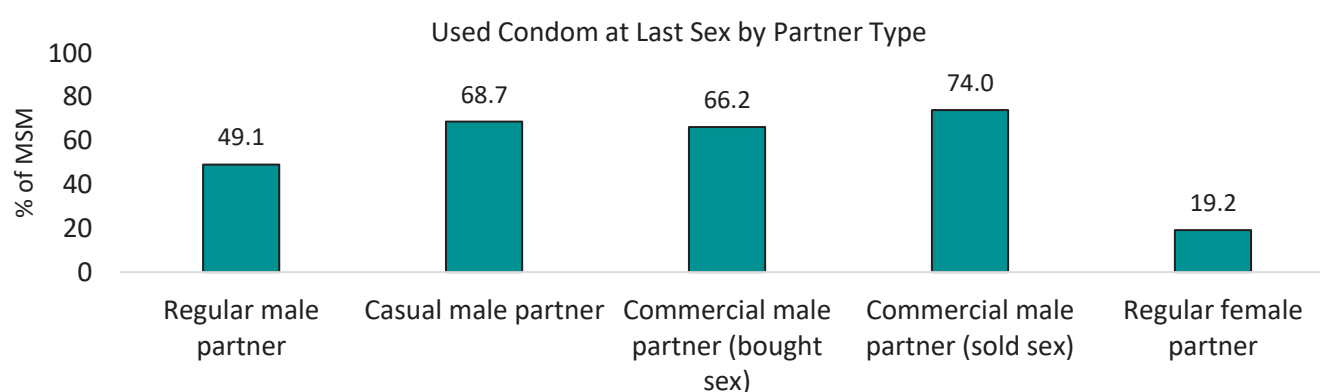
^aDefinitions: Apwint (open feminine expression), Apone (hidden feminine expression), Tha Nge (masculine expression but has sex with men)



^a32.7% had not tested for VL, did not remember or did not respond

Sexual History and Risk Behavior

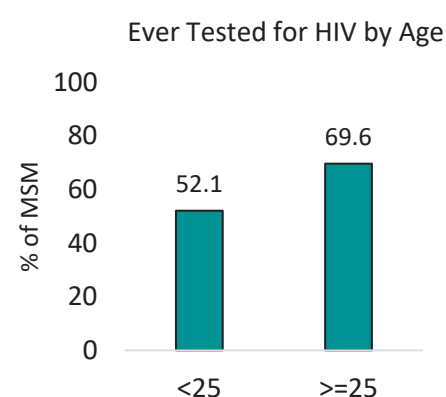
Number of Partners (Past 12 Mo.)	Median	Range	Sexual Risk	%	95% CI
Male anal sex partners	4	(1-995)	Always use condom (regular partner) ^a	35.0	(29.4-40.7)
Regular male partners	1	(0-40)	Always use condom (casual partner) ^a	41.8	(35.7-47.9)
Casual male partners	5	(0-989)	Always use condom (bought sex) ^a	36.4	(20.7-52.1)
Partners respondent paid for sex	2	(0-300)	Always use condom (sold sex) ^a	45.8	(36.4-55.2)
Partners paid respondent for sex	8	(0-994)	Always use condom (female partner) ^a	17.3	(3.5-31.1)
Regular female partners	0	(0-5)	Most common condom source ^b	For free from NGO	

^aIn past one month^bMost frequently reported answer to "how do you get condoms most of the time in past 12 months?"**Stigma, Discrimination and Violence**

Experienced in Past 12 Mo. Due to KP Status	%	95% CI
Physical violence	21.7	(17.9-25.4)
Forced to have sex	23.8	(20-27.6)
Harassed by authorities	19.5	(16.1-22.9)
Afraid of seeking healthcare	26.6	(22.7-30.6)
Rejected by family	26.5	(22.5-30.4)

Knowledge, Service Utilization and Condoms/Lubricants

	%	95% CI
Ever received information on HIV/AIDS	95.4	(93.7-97.1)
Aware of HIV/AIDS treatment	85.4	(82.3-88.4)
Comprehensive HIV knowledge	35.0	(30.8-39.1)
Ever tested for HIV	61.1	(56.7-65.5)
Received result of last HIV test	99.8	(99.5-100.0)
Received free condoms, past 3 months	55.9	(51.5-60.4)
Received safe sex counseling, past 3 months	40.8	(36.5-45.1)

**Population Size Estimation**

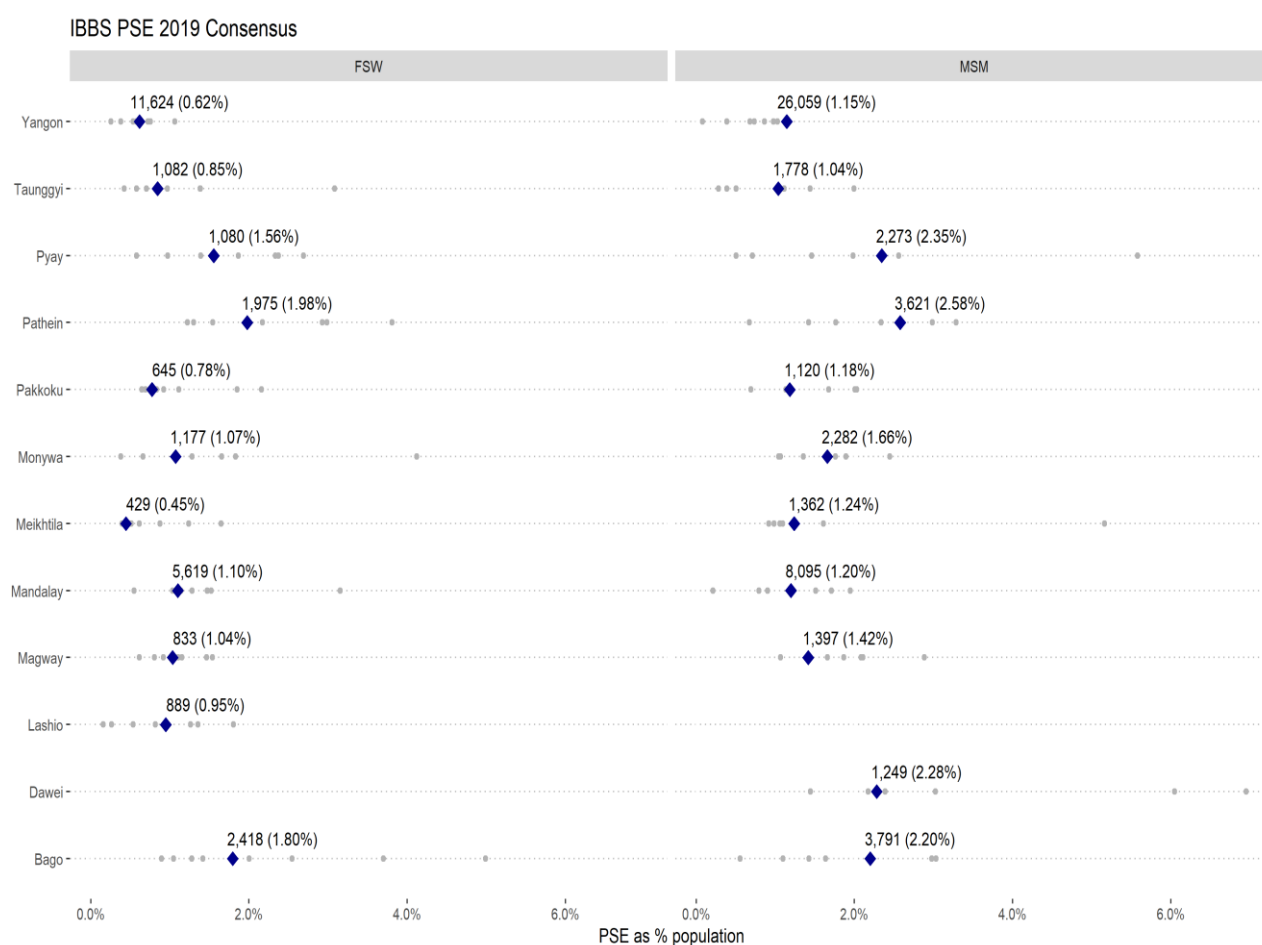
Yangon Consensus Estimate	Size as % of 15+ Male Population	Estimated Adult Male Population
26,059		

7.2. Population Size Estimation of MSM 2019

7.2.1. PSE Consensus for IBBS Sites

PSE for each IBBS site was taken from group work consensus, where various stakeholders discussed all the data points including IBBS estimates, programmatic mapping results, and routine service delivery data. Point estimates were made for each site, and respective population percentages were calculated.

IBBS site	MSM		
	PSE	PSE LB	PSE UB
Yangon city	26,059	2,2249	30,000
Mandalay city	8,095	7,583	13,496
Meiktila	1,362	1,172	1,553
Bago	3,791	2,500	4,155
Pyay	2,273	2,047	2,499
Magway	1,397	1,145	1,648
Pakkoku	1,120	934	1,306
Monywa	2,282	2,001	2,562
Pathein	3,621	3,227	4,015
Taunggyi	1,778	1,029	3,383
Dawei	1,249	1,031	1,468

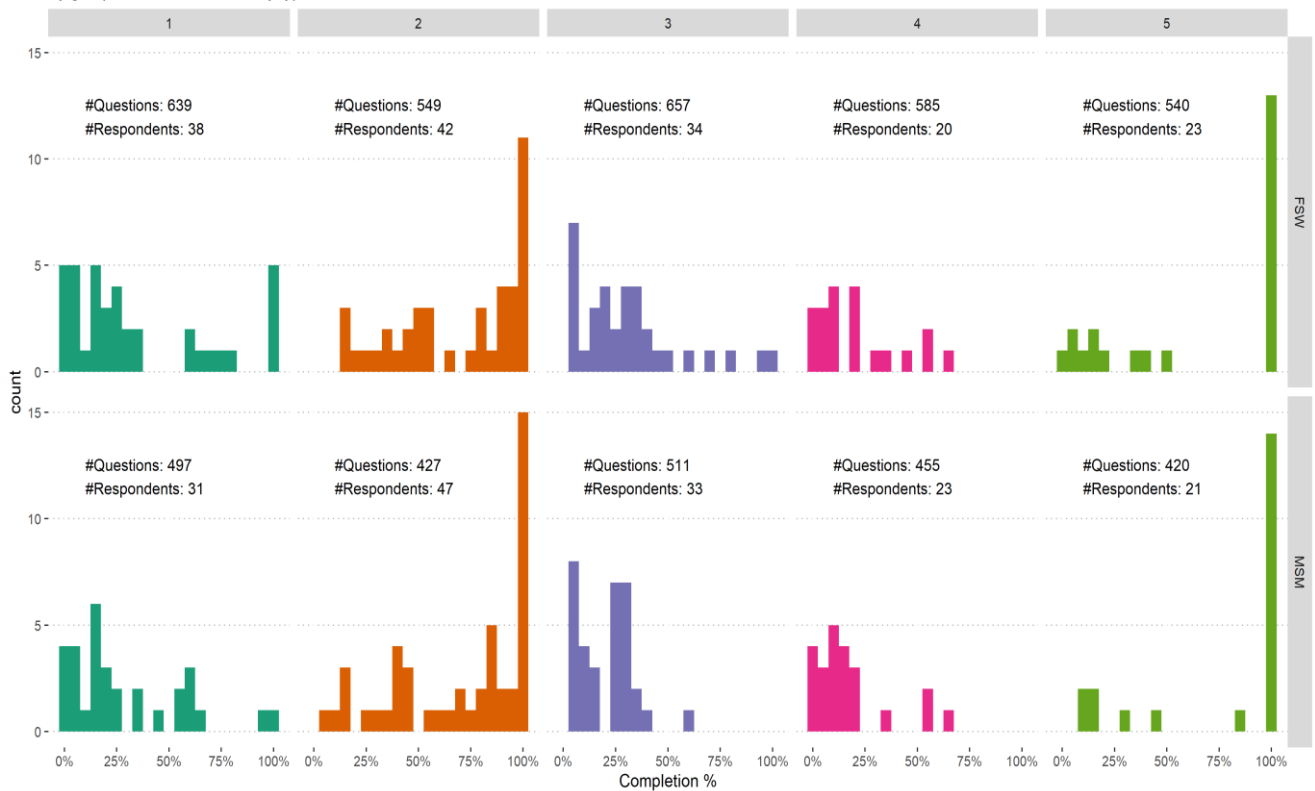


7.2.2. Township ratings

After the MSM PSE consensus for each IBBS sites, the participants of five groups rated all the 330 townships in Myanmar on five-point Likert scale for the potential influencing factors for MSM population in each township. There were nine factors for each population group and each township, and each participant provided ratings for each item to the best of their knowledge. The ratings were collected in real-time via online survey platform (SurveyGizmo), and then complied to form a country-wide dataset of ratings. During compilation, duplicate responses from the same individuals due to technical issues were removed. And then, the responses with zero variance (where a participant gave exactly the same response to each township) were removed. Finally, the distribution of ratings were checked, and a correlation matrix was constructed for each population group to check collinearity between the factors.

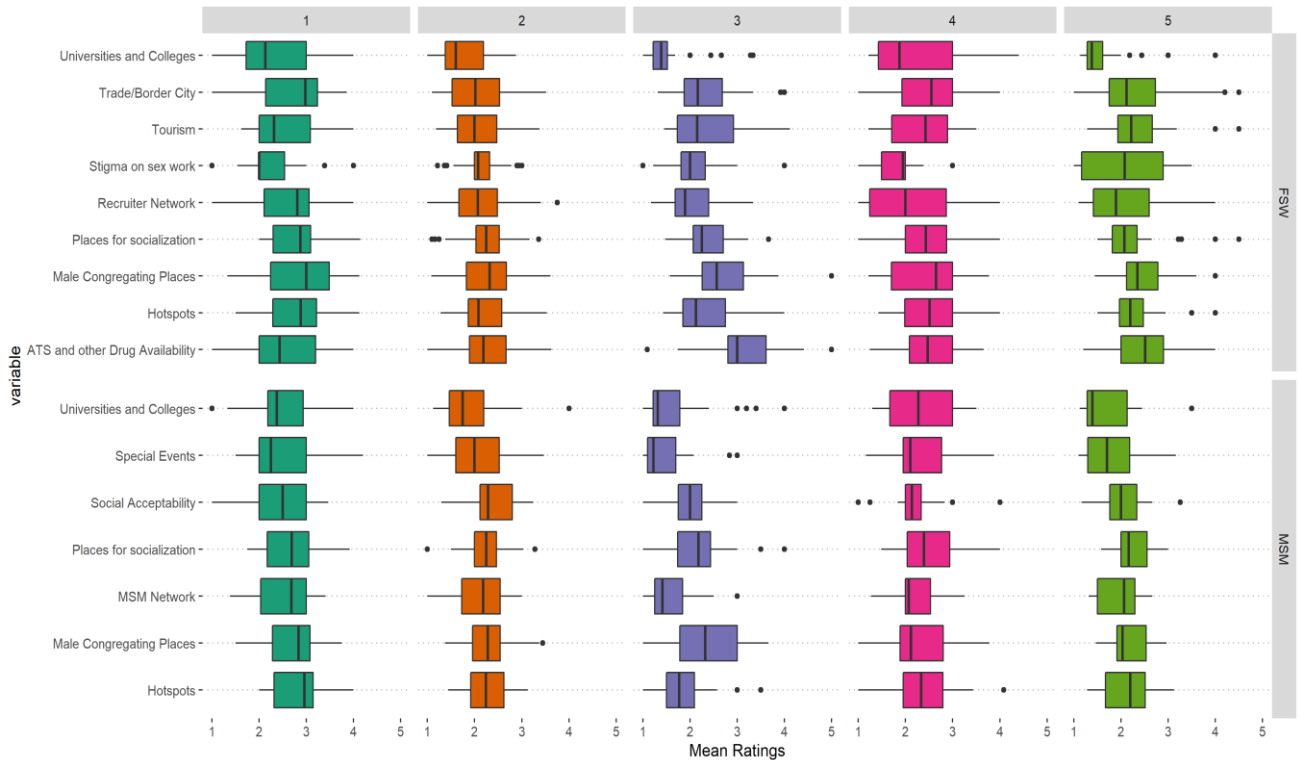
Township Ratings Completion % by Respondents

By group number and KP survey type



Average Ratings by Respondents

By group number and KP survey type



7.2.3. Township Level Split of PSE for Large Cities (Yangon and Mandalay)

Since Yangon and Mandalay cities comprised of more than one township, the site level consensus estimates from IBBS were split into each township. The split was calculated as proportional to base population and the composite township score. As a result, township level PSE estimates were generated for 34 townships in Yangon, and 7 townships in Mandalay, resulting in a total of 50 townships with updated PSE from IBBS 2019.

7.2.4. Existing Data Review

Existing 2019 program data was reviewed against the new PSE estimates at IBBS sites. From the review, numbers reached correlated the best with the coverage adjusted test numbers for MSM. Therefore, for townships outside of IBBS sites, these numbers were used as indicative PSE for the final model.

The background program data for all townships in 2019 was also reviewed for use as potential predictors for PSE model. These included total number of people tested, total HIV positive, and prevalence of HIV among antenatal care clients.

7.2.5. Modeling Population Size for Each Township

Population Size Estimates for each township were modeled using random forest machine learning algorithm in R version 4.0, using ranger model. The final outcome was the population size estimate, and the potential predictors included all variables from rating, existing background data, and the respective base population of the township. The model was trained on 80/20 split of the available data (i.e., 80%), and pre-processing of data was done to remove variables with zero variance or high collinearity. The model hyperparameters were tuned using size-10 grid, and the best model was selected using RMSE. Then, the predictions were cross-validated using the 20% fraction reserved for validation.

The final model was used to predict the PSE for all the remaining townships, except the IBBS sites. High and low credible intervals for each estimate were also produced using the model. PSE outliers were flagged in the final estimates using median $\pm$ 3IQR for PSE as the proportion of the base population.

7.2.6. Checking and adjustment of outlier values

Consensus PSE for IBBS sites and township level split PSE (50 townships in total) were used for IBBS townships. Township level PSE outliers were flagged using median $\pm$ 3IQR for PSE as the proportion of the base township population.

For men who have sex with men including transgender women PSE, 10 townships came out as outliers, i.e, MSM/TGW PSE $>3.54\%$ of base township population, all of them having very small base township population. As in FSW PSE, MSM/TGW PSE of outlier townships were recalculated using median PSE proportion (0.53%). The corrected townships were Injangyang, Khaunglanhpu, Machanbaw, Nawngmun, Sumprabum and Tsawlaw from Kachin, Mese and Shadaw from Kayah, Lay Shi from Sagaing and Cocokyun from Yangon.

Reachable MSM/TGW PSE 2019 turns out as 134,000 which is 0.7% of 15+ years male population, and the range goes between 91,200 to 185,500.

7.2.7. Validation of the result in a large group meeting

Finally, the national PSE calculation process and results were presented in a large group meeting including National AIDS Program officials from different levels, experts from technical organizations, UN and I/NGO partners, and community networks including key populations. It was discussed and agreed that the population size estimates were good for the year 2019 and some adjustments might be necessary for the years ahead. It was suggested that for the purpose of program use and experts from NAP should be consulted before using it.

7.2.8. Reachable MSM/TGW PSE by state and region 2019

State/Region	MSM PSE	Pop %	MSM PSE LB	Pop %	MSM PSE UB	Pop %
Ayeyarwaddy	15,400	0.7%	9,800	0.5%	21,100	1.0%
Bago	11,900	0.7%	8,100	0.5%	14,900	0.9%
Chin	1,200	0.8%	600	0.4%	1,800	1.2%
Kachin	10,000	1.4%	6,800	1.0%	14,400	2.0%
Kayah	700	0.6%	200	0.2%	1,600	1.5%
Kayin	4,000	0.8%	2,000	0.4%	6,100	1.2%
Magway	5,300	0.4%	3,200	0.2%	7,500	0.6%
Mandalay	15,500	0.7%	12,800	0.6%	23,200	1.0%
Mon	6,200	0.9%	2,900	0.4%	9,400	1.4%
Nay Pyi Taw	1,900	0.4%	800	0.2%	3,100	0.7%
Rakhine	2,500	0.2%	800	0.1%	4,400	0.4%
Sagaing	13,500	0.7%	8,800	0.5%	18,400	1.0%
Shan (E)	1,700	0.5%	1,100	0.3%	2,400	0.7%
Shan (N)	6,200	0.7%	3,900	0.4%	8,800	0.9%
Shan (S)	4,900	0.5%	2,700	0.3%	8,100	0.9%
Tanintharyi	4,300	0.9%	2,900	0.6%	6,000	1.2%
Yangon	28,800	1.0%	23,800	0.8%	34,300	1.1%
Myanmar	134,000	0.7%	91,200	0.5%	185,500	1.0%

7.3 MSM IBBS survey data report

A. Demographics and sexual identity

Table A1. How respondent is dressed

Variable - Q103	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Man	5312	88.6	582	95.8	370	91.2	484	87.2	545	80.6	449	86.3	462	93.2	489	98.7	493	90.6	354	85.3	589	98.2	495	72
Woman	805	11.1	24	4.2	37	8.8	79	12.3	161	19.4	104	13.7	42	4.7	9	1.2	67	9.2	71	14.7	12	1.8	199	26.9
Unclear	19	0.3					1	0.5					6	2.1	1	0.1	1	0.1					10	1.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A2. Age

Variable - Q201	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
15-19	1468	24.2	207	34.3	174	40.7	121	21.9	177	27.3	89	18.7	197	40.5	53	10.6	77	13.7	98	23.9	149	24.2	126	21.2
20-24	1715	27.6	177	28.7	83	21.1	150	26.8	220	31.6	198	40.5	139	27.4	100	19.6	124	20.4	155	36.3	163	25.9	206	27.4
25-29	1208	19.3	102	15.4	48	11.7	101	16.1	118	17.4	178	27.8	73	13.8	84	17.3	160	29	81	19.1	117	19.4	146	20.9
30-34	756	12.1	58	11.8	43	11.3	79	14.1	84	11.4	62	8.2	44	7.9	91	17.3	90	15.7	42	10.1	76	12	87	11.4
35-39	505	8.7	44	6.8	28	7.2	63	11.8	44	5.6	16	3.1	25	4.3	84	17.8	61	10.7	27	5.6	54	10.4	59	8.2
≥40	484	8.1	18	2.9	31	8.1	50	9.3	63	6.7	10	1.6	32	6.2	87	17.4	49	10.5	22	4.9	42	8.1	80	10.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A3. How long have been living in this township?

Variable - Q204	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Mean, in years	22		22		23.1		25.3		18.7		22		23.1		29.7		25.3		25.3		22		14.3	
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A4. Reasons for move

Variable - Q206	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
For work	633	61.2	8	20.1	23	78.5	29	42	115	62.4	15	34.7	3	30.3	48	80	35	39.9	6	70.6	110	77.9	241	62.9
For education/studies	105	9.5	2	2					23	13.1	26	49.6	1	3.9	2	2.6	4	4.5	4	42.4	13	10.1	30	7.1
For health reasons	24	3.4	13	57.7							3	6.6					1	3.4					7	1.5
Family moved	366	33.3	10	14.7	6	14.8	29	47.8	80	42.2	9	19.3	5	53.9	8	16.5	40	49	2	23.7	46	32	131	32.7
Moved with partner	78	7.2	5	7.4			10	15.9	13	5.4	2	3.6	2	11.8	4	10.4	3	8.5	1	11.3	4	1.1	34	9.8
Separated from family due to disaster/conflict/family conflict	28	2.5					2	2.4	2	0.7														
Stigma and discrimination	17	1.7	1	1.4					1	0.5	1	1.7									2	1.9	22	5.1
Other	1	0													1	0							15	4
No answer	1	0.1																						
Denominator - Those who moved into survey townships	1253		39		29		70		234		56		11		63		83		13		175		480	

Table A5. Can you read and/or write in Myanmar?

Variable - Q207	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Cannot read nor write	232	4.2	26	4.4	33	11	30	4.9	10	1.6	3	0.4	14	2.5	28	6.6	22	4.5	7	1.5	30	4.9	29	3.8
Can read only	119	2.2	10	1.9	10	2.9	14	2.7	5	0.7	6	1	11	2	19	4	7	1	5	0.9	22	3.9	10	1.7
Can write only	106	2.5	43	16.5	8	4.2	5	0.8	7	1.3	2	0.1	6	0.9	9	1.9	2	0.4	5	1.1	10	1.6	9	1.2
Can read and write	5679	91.1	527	77.2	356	81.8	515	91.6	684	96.4	542	98.5	479	94.6	443	87.4	530	94.2	408	96.5	539	89.5	656	93.4
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A6. What is the highest level of education you have completed?

Variable - Q208	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No formal education	134	2.4	18	2.3	1	0.3	13	1.9	9	1.3	4	0.7			16	3.6	19	3.7	7	1.5	26	4.5	16	2.6
Monastic education	90	1.6	10	1.9	7	1.7	17	3.9	8	1	1	0.3	5	0.8	19	4	4	0.6			7	1.5	7	0.8
1st-4th standard	1000	17	125	20.8	64	16.8	105	18.8	70	9.2	20	4.1	10	2.6	151	32.1	103	19.8	50	12.6	118	21.8	77	9.9
5th-8th standard	1923	31.1	230	37.2	113	25.5	212	39	212	31	98	20.1	117	24.5	186	35.9	174	30.9	131	30.6	206	32.2	176	26
9-10 th standard	2063	33.2	197	34.1	175	43	177	29.5	266	36.9	181	30.7	185	36.5	97	18.6	188	32.9	161	37.7	201	32.4	274	38.4
Vocational training school	35	0.5	1	0.1	6	1.3	4	1	2	0.4	14	1.9	146	26.7			6	0.7	1	0.2			1	0.1
University/College	887	14.2	24	3	41	11.4	36	5.9	139	20.2	232	41.8	47	9	30	5.8	67	11.4	75	17.3	43	7.6	153	22.2
No answer	4	0.1	1	0.6							3	0.4												
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A7. Are you currently a student?

Variable - Q209	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5482	90.6	573	97.7	304	74.2	518	92.8	653	92.1	452	79.3	465	92	476	98.5	503	93.1	368	87.8	531	92	639	92.5
Yes	520	9.4	15	2.3	102	25.8	33	7.2	44	7.9	97	20.7	40	8	7	1.5	39	6.9	50	12.2	44	8	49	7.5
Denominator - Excluding those with "no formal education"	6002	100	588	100	406	100	551	100	697	100	549	100	505	100	483	100	542	100	418	100	575	100	688	100

Table A8. Income sources during last 12 months

Multiple Responses Variable - Q210	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Salaried (Public/private sector)	1067	17.9	96	12.1	34	9.4	68	12.6	184	28.3	105	19.7	59	10.7	20	3.4	83	15.9	62	14.2	113	20.5	243	31.7
Artist (e.g. painter, photographer, actor, dancer)	150	2.1	10	0.9	5	1.4	13	2.5	20	2.6	5	1	13	2	19	4.1	8	1.3	11	2.4	1	0.3	45	4.8
Sex worker	171	2.8	25	3.1			4	1.1	32	3.5	2	0.4	15	1	1	0	4	0.3	6	0.9	2	0.1	80	10.7

Fashion designer	65	0.8	2	0.1			2	0.3	20	2.7	16	1.9	2	0.4	2	0.2	10	1.5	3	0.6	2	0.5	6	0.7
Decorator/Interior designer/Florist	71	0.9	7	0.8	2	0.4	5	0.9	13	1.2	10	1.5	8	0.8	5	0.9	10	1.7	1	0.2	5	0.6	5	0.6
Farming/agriculture	100	1.2	9	1.4	4	0.6	6	0.5	6	0.7	13	3	29	3.4	15	2.5	9	1.7			7	1.3	2	0.2
Manual/unskilled laborer	2562	41.8	326	52.1	174	41.1	310	51.6	231	34.4	118	23.8	337	67.2	325	67.9	149	25.5	151	38.1	313	52.6	128	20.2
Driver/transport worker	670	11.3	140	27.1	8	2.1	75	15.8	15	2.6	42	9.1	36	6.1	54	11	188	34.7	14	3.2	70	10.4	28	4.4
Trade/business/shop	606	9.8	77	11.6	30	9.4	24	3.9	77	10.2	59	11.9	34	6.9	63	12.8	73	13.2	20	4.4	62	9	87	12.7
Beauty salon	827	11.2	38	5.2	47	10.8	65	11.8	209	24.5	91	13.5	58	6.1	24	3.6	38	4.9	74	15.8	17	2.2	166	22.7
Natgadaw	238	3.1	22	3			36	7.2	17	2	28	3.2	18	2.8	4	0.6	40	5.1	31	6.4	6	0.5	36	4.8
Hospitality Industry (Hotel/restaurant)	119	1.9	7	1.6	8	2.2	5	1.1	9	0.9	31	5.1	4	0.3	9	1.6	14	2.7	2	0.5	7	0.9	23	3.7
Unemployed/Dependent on others	516	8.8	32	4.1	102	25.7	27	4.6	45	7	82	16.8	30	7.8	19	3.8	19	3.3	68	16.7	39	6.1	53	8.5
Other (Specify)	20	0.3			5	1.4			6	0.6	2	0.1			4	0.9			1	0.2	2	0.3		
No answer	5	0.1			1	0.7					3	0.4					1	0.2						
Denominator (All)	6136		606	407			564		706		553		510		499		561		425		601		704	

Table A9. Main income sources during last 12 months

Variable - Q211	All sites		Bago		Dawe		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Salaried (Public/private sector)	942	16.4	73	9.4	34	9.4	58	11.3	154	24.6	103	19.3	48	9.1	19	3.2	72	14	62	14.2	110	20	209	28.2
Artist (e.g. painter, photographer, actor, dancer)	90	1.4	1	0.1	4	1.4	12	2.3	6	1.1	5	1	6	1.1	16	3.2	7	1.1	9	2	1	0.3	23	2.5
Sex worker	87	1.3	6	0.7					17	2.2	2	0.4	1	0	1	0	1	0.1	3	0.4	1	0	55	7.1
Fashion designer	42	0.5			1	0	1	0.2	8	1	12	1.2	2	0.4	2	0.4	10	1.5	3	0.6	1	0.3	4	0.5
Decorator/Interior designer/Florist	37	0.5	3	0.4	1	0.2	5	0.9	5	0.6	8	1.3	13	2	9	1.4	7	1.2	1	0.2	3	0.3	2	0.4
Farming/agriculture	66	1	6	0.9	4	0.6	5	0.5	3	0.3	12	2.8	303	62.8	301	62.4	6	1.3	149	37.8	6	1.3	2	0.2
Manual/unskilled laborer	2358	38.9	274	44.6	170	38.5	299	50.4	218	32.5	107	20.5	29	5.3	46	9.6	130	22.8	14	3.2	298	50.8	109	17.1

Driver/transport worker	614	10.5	129	25.8	8	2.1	69	14.3	15	2.6	41	8.5	31	6.5	56	11.1	175	32.6	18	4	64	9.5	24	3.7
Trade/business/shop	482	8.1	52	8.5	27	8.2	22	3.6	55	7.9	48	9.1	40	4.1	18	2.8	55	10.8	66	14.2	52	8.2	66	9.7
Beauty salon	651	9	16	2.9	45	10.3	49	8.2	163	18.5	81	11.7	6	1.1	3	0.5	34	4.5	29	6	13	1.7	126	18
Natgadaw	139	1.8	9	1			12	2.6	8	1.1	19	1.9	2	0.2	8	1.4	32	4.1	2	0.5	4	0.4	17	2.3
Hospitality Industry (Hotel/restaurant)	103	1.6	6	1.5	6	1.5	5	1.1	8	0.9	29	4.8	29	7.5	18	3.6	12	2.4	68	16.7	7	0.9	18	2.5
Dependent on others	506	8.7	31	4	102	25.7	27	4.6	42	6.5	82	16.8			2	0.5	19	3.3	1	0.2	39	6.1	49	7.9
Other	14	0.3			4	1.4			4	0.4	1	0.1								2	0.3			
No answer	5	0.1			1	0.7					3	0.4					1	0.2						
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A10. What is your current marital status

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
Variable - Q213	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Married to a woman	1106	19.8	174	31.1	45	14.8	136	25.2	18	3.4	27	5.7	48	9.8	233	48.4	158	30.1	60	14.7	179	29.2	28	4.3
Ever married, now divorced/separated/widowed	496	7.9	51	8.5	28	5.5	56	9.9	36	4.5	23	3.2	37	5.9	71	13.6	90	16.3	9	2.2	65	10.9	30	4.4
Never married	4532	72.2	381	60.3	333	79.6	372	64.9	652	92.1	503	91.1	425	84.2	195	38	313	53.7	355	82.8	357	59.9	646	91.3
No answer	2	0			1	0.1													1	0.3				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A11. With whom do you currently live?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
Variable - Q214	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Live with spouse	877	15.7	132	19.5	31	9.7	82	16.7	16	3.2	24	4.9	47	9.7	153	31.9	149	28.5	53	12.9	166	26.8	24	3.9
Live with male partner	468	6.9	9	1.3	7	2.2	28	4.5	109	13.4	52	6.2	38	6.4	7	1.5	35	5.5	24	5.7	9	1.2	150	21.6
Live with other female partner (not wife)	14	0.2	2	0.1			2	0.2	3	0.3	1	0.1	1	0.1			2	0.3			2	0.3	1	0.2

Live with parents/ relatives	3940	63.3	430	73.1	316	74	401	70.5	443	64.5	361	65.6	401	79.1	309	61	292	51.5	308	72.8	352	59.6	327	47.6
Live with friends	500	8.3	12	2.5	28	7.5	28	4.5	94	13.7	89	17.5	11	2.4	6	0.7	29	3.7	31	6.7	39	6.6	133	17.5
Live with children	40	1	1	0.1	5	2.6	3	0.7	1	0.2	2	0.2	1	0.3	7	1.9	8	2	1	0.2	8	1.7	3	0.5
Live alone	286	4.5	20	3.5	12	2.2	20	2.9	37	4.3	24	5.6	11	2	17	2.9	46	8.5	8	1.8	25	3.8	66	8.8
Other (Specify)	11	0.2			8	1.8			3	0.4														
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A12. What gender do you consider yourself?

Variable - Q301	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male	4845	81.8	562	94.4	355	87.7	471	84.2	397	61.8	432	84.5	419	85.7	470	95.9	472	87.6	303	73.8	568	96	396	56.5
Female	699	9.8	26	3.1	9	3.6	74	13.4	169	21.6	105	13.1	32	3.5	23	3.2	39	5.5	17	3.5	6	0.5	199	28
Transgender	592	8.3	18	2.5	43	8.7	19	2.4	140	16.6	16	2.3	59	10.8	6	0.9	50	6.9	105	22.7	27	3.5	109	15.5
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A13. What kind of sexual attraction do you have?

Variable - Q302	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Only attracted to males	2421	37.7	287	57.8	57	12.2	152	25.4	409	53	220	36	193	34.9	56	10.5	188	32.1	232	52.8	129	22.3	498	69.2
Mostly attracted to males	785	12.1	91	11.7	49	12	85	13.8	69	11.3	98	14.2	82	20	60	11.6	110	18.2	9	2.5	56	10.9	76	10.8
Equally attracted to both males and females	1792	30.1	62	8.8	275	69.6	205	36.8	189	29.5	180	38.9	215	40.1	66	13	176	29.5	172	41.5	156	29.5	96	14.1
Mostly attracted to females	860	15.3	159	20.3	24	5.2	117	22.9	32	4.3	53	10.5	17	4.3	130	25.9	74	16.1	8	2	218	33.6	28	4.8
Only attracted to females	276	4.7	7	1.5	2	0.9	5	1.1	7	1.9	2	0.3	3	0.7	187	39.1	13	4.1	3	1.2	41	3.4	6	1.2
Not sure/Don't know	1	0																			1	0.3		
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A14. In which group do you identify yourself?

Variable - Q303	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Apwint (Open)	1129	15.8	34	4.4	43	9.9	108	17.6	258	30.7	108	14.5	72	10.9	29	5.1	80	11.2	110	23.2	28	3.3	259	36.5
Apone (Hidden)	953	16.2	20	2.8	25	5.8	64	10	143	21.2	142	24.6	85	15.1	11	1.4	67	11	78	18.6	111	22.7	207	27.7
Tha Nge	4050	67.9	552	92.8	338	83.6	392	72.4	305	48.1	301	60.8	353	74	459	93.4	414	77.9	237	58.2	462	74	237	35.7
No answer	4	0.1			1	0.7					2	0.2											1	0.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table A15. Who knows you are having Sex with Men

Variable - Q304	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<i>a. Close Friends</i>																								
None	1123	21.8	85	14.1	245	63.9	52	10.4	65	10.6	148	34.3	27	4.2	59	11.1	103	19.8	27	7	186	33.5	126	20.5
Some	2752	46.8	367	67.2	130	28.3	273	48.9	267	43.6	246	42.5	144	29.7	360	74.8	234	40.2	253	62.1	260	46.6	218	34.4
Most	989	13.6	81	10.4	16	3.3	84	12.3	101	13.2	41	6.5	192	35	64	11.1	157	30.4	69	15.3	76	8.8	108	14.2
All	1269	17.6	73	8.3	16	4.5	155	28.3	273	32.6	118	16.6	147	31.1	16	3	67	9.7	75	15	78	11.1	251	30.5
N/A	3	0.1																	1	0.6	1	0	1	0.3
<i>b. Family</i>																								
None	4470	75.9	352	47.3	381	94	473	84.1	352	56.3	351	72.7	403	83.4	457	92	423	79.2	311	75.1	554	92.7	413	58.6
Some	863	14.1	217	48	19	4.2	59	10	116	17	96	14.3	51	9.1	22	4.4	90	15.1	53	12	23	3.7	117	20.9
Most	207	2.7	17	2.3	1	0.7	8	1.4	40	5.4	27	4.3	33	3.2	11	1.7	15	2	8	1.8	12	1.9	35	4.2
All	589	7.2	20	2.3	6	1.1	24	4.5	197	21.2	79	8.7	23	4.2	9	1.9	33	3.7	51	10.2	11	1.4	136	16
N/A	7	0.2							1	0.2									2	0.9	1	0.3	3	0.2
<i>c. relatives</i>																								
None	4478	76.7	351	47.9	382	94.3	471	81.7	358	57.5	360	73.8	348	71.3	440	89.3	425	80.2	339	81.1	564	93.9	440	65.1
Some	931	14.3	217	48.3	19	4.1	64	12.6	122	16.7	89	14	114	22.2	40	6.8	98	15.3	32	7.5	19	3.2	117	17.9
Most	209	2.6	20	2.2	6	1.5	9	1.6	62	8.6	26	3.8	28	3.3	10	2	13	1.8	6	1.3	6	1	29	3.3
All	512	6.3	17	1.7			20	4.1	164	17.2	78	8.5	19	3	9	1.9	25	2.7	47	9.4	12	1.9	115	13.4

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B. General sexual history

Table B1. How old were you when you had vaginal or anal sex for the first time?

Variable - Q401	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (X), median (M)	18.7		18.7	8	18.7	10	19.8	8	17.6	8	18.7	10	17.6	8	19.8	10	19.8	8	16.5	9	19.8	8	17.6	7
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B2. Was your first sexual partner male or female

Variable - Q402	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Male	4721	75.3	504	86.9	344	84.8	438	77.8	583	80.6	421	75.3	431	85.5	200	38.8	422	73.4	391	91.4	380	62	607	85.4
Female	1410	24.6	102	13.1	62	15.1	126	22.2	123	19.4	132	24.7	79	14.5	298	60.6	139	26.6	34	8.6	220	38	95	14.3
Don't know/remember	2	0.1			1	0.1									1	0.6								
No answer	3	0																			1	0	2	0.3
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B3. How old were you the first time you had anal sex with a male partner?

Variable - Q403	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (X)	19.8		18.7		18.7		19.8		17.6		18.7		17.6		24.2		20.9		17.6		20.9		17.6	

Table B4. In what position have you ever had anal sex?

Variable - Q404	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Top (insertive)	3998	68.6	450	67.3	341	85.4	389	72.1	264	41.6	340	69.6	353	73.3	434	88.8	415	77.3	237	58.1	520	87.8	255	40.2
Bottom (receptive)	1450	20.9	63	11.6	52	10.9	157	25	314	39.6	124	17.5	84	12.3	36	6.3	114	16.7	132	28.5	41	6.3	333	45.1
Both top and bottom	688	10.5	93	21.1	14	3.6	18	2.9	128	18.9	89	13	73	14.4	29	4.8	32	6	56	13.4	40	5.9	116	14.7
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B5. In the last 12 months, in what position do you usually have anal sex?

Variable - Q405	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Top (insertive)	4014	68.7	452	67.6	343	85.7	391	72.3	267	41.8	343	70.1	358	73.9	432	88.6	416	77.5	238	58.3	520	87.8	254	40.1
Bottom (receptive)	1503	21.5	64	11.7	52	11.6	163	25.7	319	40.6	150	20.2	86	12.8	39	6.8	117	17.1	133	28.7	43	6.4	337	45.7
Both top and bottom	619	9.8	90	20.7	12	2.8	10	2	120	17.5	60	9.7	66	13.3	28	4.5	28	5.4	54	13	38	5.8	113	14.3
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B6. In the last 12 months, with how many male partners did you have anal sex

Variable - Q406	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	12.1		11		2.2		13.2		31.9		4.4		13.2		4.4		5.5		11		3.3		27.5	

Table B7. In the last 1 month, with how many male partners did you have anal sex?

Variable - Q407	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	2.2		1.1		1.1		4.4		4.4		1.1		2.2		1.1		1.1		2.2		1.1		4.4	

Table B8. In the last week, how many anal sex acts with male partners have you had?

Variable - Q408	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	2.2		1.1		1.1		2.2		2.2		2.2		2.2		1.1		1.1		1.1		1.1		4.4	

Table B9. In the last 1 month, with what frequency did you use condoms during anal sex with male partners?

Variable - Q409	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	2078	41.1	143	31	141	55.6	213	42.3	293	41.5	353	66.2	219	47.2	118	55.1	163	39.9	126	29.5	61	24.6	248	37.1
Most times	536	10.3	76	14.3	36	10.8	7	1.1	79	12.2	71	14.1	55	15.8	37	15.3	41	10.5	15	3.4	24	8.8	95	12.2
About half the times	247	5.5	12	2.6	19	5.8	5	0.7	32	5	11	2.6	1	1.1	13	6.5	36	8.8	76	20.9	3	1.3	39	5.9
Occasionally	899	18.5	150	38.4	21	9.2	132	23.6	175	26.4	26	6.8	117	24.4	16	7.5	48	13.7	31	7.6	48	15.4	135	20.9
Never	1013	24.7	74	13.8	50	18.6	157	32.2	91	14.9	37	10.2	52	11.5	35	15.6	100	27.2	152	38.5	133	50	132	23.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B10. The last time you had anal sex, was a condom used?

Variable - Q410	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	2489	43.2	250	39.5	131	33.1	257	47.8	237	35.5	106	21.8	167	33.3	146	27.9	291	51.7	256	62	358	58.4	290	43.2
Yes	3645	56.8	356	60.5	276	66.9	306	52.2	469	64.5	447	78.2	342	66.2	353	72.1	270	48.3	169	38	243	41.6	414	56.8
No answer	2	0					1	0					1	0.5										
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B11. If a condom was not used, why?

Variable - Q411	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	1159	47.3	122	46.7	43	33.5	121	42.7	92	41.3	45	34.3	65	42.8	74	51.1	126	39.9	149	59.6	254	69.3	68	22.6
Expensive	6	0.2													2	1.4	3	1			1	0.3		
Was under the influence of alcohol/drug	305	11.5	28	10.8	4	2	40	12.6	23	11.8	4	5.3	67	39	38	25.6	30	9.3	3	1	63	18.9	5	1.2
Sex partner doesn't like to use it	211	7.9	15	7.4	8	9.2	33	10.3	33	13.5	7	5.8	26	15.5	6	5	15	4.4	2	0.7	9	2	57	20.4
I don't like to use it	572	22.3	48	17.4	17	12.6	101	44.2	31	12.9	40	44.4	55	32.7	46	32	74	21.3	46	16.7	51	14	63	24.6
Both don't like to use it	492	19.3	17	7.5	17	14.9	52	19	93	39.9	20	22.3	40	20.7	37	26.6	26	6.6	76	29.4	22	8	92	31.6
Don't think it is necessary	328	15.6	33	11.5	7	3.3	17	6	45	21.1	14	14.5	13	6.2	14	10.2	27	10.6	9	3.7	111	35.3	38	11.4
Don't think of it/forgot	331	14	19	7.6	24	15.3	20	7.7	17	7.3	9	10	63	38.5	23	16.1	35	15.4	6	2.2	68	20	47	17
I know this partner well	359	15	19	8	20	17.1	44	15.3	51	23.5	7	5.2	40	20.5	9	6.1	25	9	28	9.7	26	9.8	90	35.1
Other	13	0.6			4	3.7	1	0.4	2	0.5			1	0.9									5	2.4
Denominator - excluding who used condom at last anal sex	2491		250		131		258		237		106		168		146		291		256		358		290	

Table B12. Have you ever had group sex (anal sex)?

Variable - Q412	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5365	89.5	525	85.2	399	98.1	490	90.1	559	81.4	471	88.3	423	85.8	461	93.5	494	90	384	91.2	562	93.3	597	86.7
Yes	771	10.5	81	14.8	8	1.9	74	9.9	147	18.6	82	11.7	87	14.2	38	6.5	67	10	41	8.8	39	6.7	107	13.3
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B13. In a situation of group sex, how do you usually use condom?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q413																								
Not used any condom	175	26.5	19	19.8	2	11.3	25	39.4	14	10.3	9	11.3	14	21.1	9	24.7	21	32.1	8	22.3	22	60.6	32	29.8
Used one condom with multiple partners	28	3.8	4	3.2	1	11.1	3	1.1	3	1.3	6	11.7			1	3	4	5.4	1	2.4	2	5	3	4.2
Used condom with some partners only	106	14.3	22	33.5			3	4.2	27	19.7	6	4.1	7	5.3	3	10.3	12	18.3	3	6.1	2	1.6	21	21.3
Changed condom with every partner	459	54.7	36	43.4	5	77.6	42	53.6	102	67.5	61	72.9	66	73.6	25	62.1	30	44.2	29	69.2	13	32.8	50	42.1
Don't remember	3	0.8					1	1.7	1	1.2												1	2.5	
Denominator - Those ever had group sex	771		81		8		74		147		82		87		38		67		41		39		107	

Table B14. What kind of social media/applications do you use?

Multiple Responses Variable - Q414	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not using any social media/applications	1536	26.4	131	19	120	30.8	129	22.9	110	15.1	32	4.8	113	24.6	223	45.8	183	32	101	25.1	220	37.3	174	24.5
Facebook/Messenger	4480	71.6	439	70.9	287	69.2	432	76.9	595	84.8	515	94.2	391	73.9	264	51.9	339	62.3	322	74.4	372	61.2	524	74.8
Grindr	223	3.6	22	3.6	3	0.7	8	1.4	11	1.6	47	8.5	14	2.7			66	11.8	1	0.2	6	1	45	6.4
Blued	525	7.3	27	3.4	9	2.2	15	1.5	68	10.5	158	23.3	20	3.7	3	0.1	83	12.1	30	7.3	19	3	93	12.6
Instagram	335	4.9	38	5.1	2	0.3	23	2.9	28	3.9	66	10.8	22	4.7	5	0.8	61	8.8	25	6.3	17	2.9	48	7.4
Twitter	489	7	20	2	9	2	30	3.8	102	14.8	110	17.4	15	3	9	1	73	10.9	25	5.7	23	3.4	73	10
Beetalk	265	3.7	19	2.4			14	2.2	32	5.2	47	8.6	35	5.6	22	3.9	42	5.9	15	3.5	8	1.2	31	4.3
WeChat	200	3	15	1.9	2	0.5	10	2.1	30	5	39	6.2	31	4.7	5	0.8	21	2.6	2	0.5	15	3.4	30	4.3
Viber	1633	24.7	130	20.6	43	9.4	174	27.1	249	39.5	235	40.5	214	39.3	106	19.5	76	12.1	62	14.5	91	15.1	253	36.9
Line	196	3.3	126	28.8	3	0.2	9	1.3	11	2.2	14	2.2	10	1.2			8	1.3	1	0.3	7	1.9	7	0.7
WhatsApp	19	0.3	2	0.3	1	0.2	3	0.4	2	0.2	3	0.5					1	0.3	1	0.3	1	0.1	5	0.6
Others	36	0.6	2	0.7			3	0.4	8	0.8	3	0.6	4	0.7							6	1.3	10	1.3
No answer	26	0.6	25	7.3															1	0.2				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B15. What do you use these social media/applications for?

Multiple Responses Variable - Q415	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
To find sex partners	1813	35.2	174	28.6	60	16.6	276	59.1	252	42.3	281	56.2	240	52.3	78	29.5	86	16.3	71	21.4	82	23.9	213	36.8
To find clients	584	12.7	18	3.8	33	11.5	11	2.5	108	18.1	137	26.3	37	9.3	65	23.6	75	19.8	9	2.8	23	6	68	12.8
To learn about HIV	955	17.6	154	36	104	36	95	22.2	104	18.9	146	22.9	120	16.4	55	19.3	85	16	22	6.3	13	3	57	11.7
To stay in touch with friends	4274	93	444	89.8	267	93.3	386	89.5	537	91.9	503	96.3	391	97.9	260	95	336	91.8	309	95.3	365	95	476	90.3
Other	200	4.6	5	0.8	32	8.9	2	0.5	32	4.2	14	4.9	40	15.2	18	7.2			2	0.6	30	8.3	25	3.5
No answer	25	0.8	24	8.8															1	0.3				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table B16. With what type of partners have you ever had anal or vaginal sex

Multiple Responses Variable - Q416	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Regular male partner	2580	41.4	168	34.6	109	35.5	219	37.3	471	63.4	284	44.5	198	31.9	94	17.3	320	54.9	131	31	136	26.6	450	66
Casual male partner	4810	78.4	549	89.4	318	67.5	468	84.1	550	74.7	369	68.9	457	92.2	440	88	408	69.2	311	73	505	79.4	435	57.1
Commercial male partner 1	401	5.4	66	12.6	3	0.5	12	2.2	120	13.1	9	1.3	55	10.3	26	5	16	2	5	1	13	2.3	76	9.6
Commercial male partner 2	939	13.6	88	15.5	5	1	51	8.1	280	35.4	25	6.8	129	21.8	58	11.6	35	4.4	15	2.6	45	7.9	208	27.6
Regular Female partner	1416	21.7	209	36.9	5	2	96	14.8	122	19.2	80	15.9	165	33.6	221	47.2	235	39.8	106	26	108	13.7	69	10
Casual female partner	569	8.7	125	25	1	0	44	7.3	72	11.5	11	2.1	25	4.1	171	35.3	81	13.5	17	4.1	10	1.2	12	1.4
Commercial female partner 1	682	10.4	60	11.9			51	8.3	92	15.2	8	1.9	129	26.4	187	38.4	49	7.3	32	7.8	48	7.4	26	3
Commercial female partner 2	73	1	4	0.9			10	1.9	21	3	1	0.3	18	3.2	4	1.2	4	0.6	1	0.2	1	0	9	0.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

C. Regular, casual and commercial male partners

Regular male partners

Table C1. What is your usual sexual position with your regular male partner?

Variable - Q501	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Top	1226	52	96	47.7	72	76.3	119	60.4	150	35.2	139	53.7	108	58.7	62	69.3	197	65.5	47	37.8	95	73.9	141	36.2
Bottom	1066	36.1	40	20.7	31	20.5	93	36.7	263	50.7	115	34.2	63	25.9	23	22.9	100	27.8	66	48.2	31	18.2	241	49.4
Both top and bottom	288	11.9	32	31.6	6	3.2	7	2.9	58	14	30	12.1	27	15.4	9	7.7	23	6.7	18	14	10	7.9	68	14.4
Denominator - Those with regular male partners	2580		168		109		219		471		284		198		94		320		131		136		450	

Table C2. In the last 12 months, how many regular male partners have you had?

	All sites		Bago	Dawei	Magway		Mandalay	Meiktila	Monywa		Pakkoku	Patheim	Pyay	Taunggyi		Yangon
Variable - Q502	n	%	n	%	n	%	n	%	n	%	n	%	n	n	%	n
mean ($\bar{x}$)	3.3		8.8	1.1	3.3		4.4	1.1	1.1		2.2	2.2	2.2	2.2		2.2

Table C3. In the last one month, how many regular male partners have you had anal sex?

	All sites		Bago	Dawei	Magway		Mandalay	Meiktila	Monywa		Pakkoku	Patheim	Pyay	Taunggyi		Yangon
Variable - Q503	n	%	n	%	n	%	n	%	n	%	n	%	n	n	%	n
mean ($\bar{x}$)	1.1		1.1	1.1	2.2		1.1	1.1	1.1		1.1	1.1	1.1	1.1		1.1

Table C4. In the last one month, with what frequency did you use a condom with regular male partner(s)?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q504	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	922	40.1	38	26	39	64.1	100	44.5	166	39.6	187	64.6	55	37	26	40.3	116	49.2	26	19.4	20	25.6	149	35
Most times	159	7.6	14	12.5	5	4.4	3	1	25	5.8	27	13	12	10.9	12	17.7	19	9.3			12	13.9	30	6.1
About half the time	57	2.8	3	1.2	1	0.9			7	1.5	5	1.7			3	3.8	11	4.2	7	6.2	2	3.3	18	4.8
Occasionally	343	17.1	64	47.6	6	9.5	41	21.8	81	19.1	19	9.3	26	17.9	4	13.6	24	12.3	9	6.7	9	8.6	60	17.4
Never	659	32.4	30	12.7	18	21.2	57	32.7	144	34	27	11.5	50	34.2	16	24.6	59	25	84	67.6	42	48.6	132	36.7
Denominator- Those who had sex with regular male partner in last one month	2140		149		69		201		423		265		143		61		229		126		85		389	

Table C5. In the last week, how many times have you had anal sex with your regular male partner?

	All sites		Bago	Dawei	Magway		Mandalay	Meiktila	Monywa		Pakkoku	Patheim	Pyay	Taunggyi		Yangon
Variable - Q505	n	%	n	%	n	%	n	%	n	%	n	%	n	n	%	n
mean ($\bar{x}$)	2.2		1.1	2.2	2.2		2.2	2.2	2.2		2.2	1.1	2.2	1.1		2.2

Table C6. Used a condom at last sex with regular male partner among those who had a regular sex partner

Variable - Q506	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
no	1168	47	76	35.3	37	33.7	91	44.4	222	47.3	60	22.1	84	42.9	38	36.9	161	50.4	105	81.6	78	58.2	216	50.7
yes	1409	52.9	92	64.7	72	66.3	128	55.6	248	52.5	224	77.9	114	57.1	56	63.1	158	49.4	26	18.4	58	41.8	233	49.1
no answer	3	0.1							1	0.2							1	0.2					1	0.3
Denominator - Those with regular male partners	2580		168		109		219		471		284		198		94		320		131		136		450	

Table C7. When you did not use a condom last time you had anal sex with your regular male partner, what were the reasons for not using a condom?

Multiple Responses Variable - Q507	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	280	26.7	21	34.6	3	5.5	27	26.3	46	23.2	12	20.4	14	20	7	20.1	56	31	22	22.4	43	57.8	29	15.7
Expensive	7	0.6									2	3.3					5	3.1						
Was under the influence of alcohol/drug	83	5.6	5	6.8			10	8	9	5	1	0	17	17	7	24	24	12.9			8	7.4	2	0.7
Sex partner doesn't like to use it	136	11.8	5	8.6	7	19.9	7	4.8	28	12.5	3	6.1	16	21.7	3	7.8	15	8.4	1	0.8	6	6.6	45	22.2
I don't like to use it	247	21.2	8	6.6	2	4.5	40	49.3	22	9.2	18	31.7	33	41.6	9	22.7	34	17.9	22	20	15	21.4	44	23.2
Both don't like to use it	454	36.7	17	20	9	24.2	34	39	114	54.1	27	42.4	38	37.9	8	18.2	26	12.1	73	68.2	15	19.7	93	41.1
Don't think it is necessary	215	19.3	22	21.5	2	5.4	9	10	51	29.1	12	24.8	16	16.9	4	8.7	25	15.4	3	4.1	34	38.3	37	15.8
Don't think of it/forgot	94	9.7	5	5.1	3	5.2	4	3.8	10	4.3	2	4.9	13	17.4	8	25.2	11	8.4			15	19.3	23	14.3
I know this partner well	380	32.8	15	15.5	15	41.8	21	24	71	33.9	8	13.5	47	51.9	9	23.1	32	20.4	31	26.5	20	29.5	111	49.4
Other(Specify)	2	0.1	1	1					1	0.5														
No answer	1	0							1	0.1														
Denominator - Those who didn't use condom at their last time sex with regular male partners	116		76		37		91		222		60		84		38		161		105		78		216	

Casual male partners

Table C8. What is your usual sexual position with your casual male partner?

Variable - Q601	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Top	3293	71.9	408	67.9	283	89.7	322	72.5	217	43.8	237	73.3	325	74.3	402	92.3	308	80.1	194	64.7	450	91.5	147	35.3
Bottom	1080	19.5	60	10.5	29	8.4	136	25.1	260	43.2	89	16.6	77	14.1	24	4.9	80	15	77	22.1	30	4.9	218	51
Both top and bottom	437	8.6	81	21.5	6	2	10	2.4	73	13.1	43	10.1	55	11.5	14	2.8	20	4.9	40	13.2	25	3.5	70	13.7
Denominator - Those with casual male partners	4810		549		318		468		550		369		457		440		408		311		505		435	

Table C9. In the last 12 months, how many casual male partners have you had?

Variable - Q602	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	9.9		8.8		2.2		11		25.3		4.4		13.2		3.3		4.4		13.2		3.3		23.1	

Table C10. In the last one month, how many casual male partners have you had anal sex?

Variable - Q603	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	2.2		1.1		1.1		3.3		3.3		1.1		2.2		1.1		1.1		2.2		1.1		3.3	

Table C11. In the last one month, with what frequency did you use a condom with casual male partner(s)?

Variable - Q604	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	1613	45.1	129	32.6	104	53	206	48.1	270	55.6	189	65	191	51	93	59.3	127	44.1	109	36.5	47	24.8	148	41.8
Most times	376	10.4	62	13.8	32	16.4	7	1.4	57	13.7	43	11.3	51	17.2	27	16	32	12.4	14	4.6	11	6.3	40	11.2
About half the time	175	5.7	9	2.3	11	6.1	4	0.7	17	5.1	6	2.8	1	0.4	8	4.2	23	9.3	68	26.5	1	0.4	27	6.3
Occasionally	609	18.5	132	40	12	6	92	20.4	86	18.3	20	8.5	94	23.4	9	5.9	29	11.3	22	7.9	36	19.7	77	25.2
Never	585	20.3	58	11.4	37	18.4	112	29.2	31	7.3	26	12.3	24	7.9	23	14.6	60	22.9	68	24.5	96	48.8	50	15.5
No answer	1	0					1	0.1																
Denominator- Those who had sex with casual male partner in last one month	3359		390		196		422		461		284		361		160		271		281		191		342	

Table C12. In the last week, how many times have you had anal sex with your casual male partner?

Variable - Q605	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	1722	38.5	209	35.9	98	32.4	188	43.2	109	20.7	74	22.1	130	29.9	113	24.8	196	46.7	161	53.7	309	60.4	135	31.3
yes	3086	61.4	340	64.1	220	67.6	279	56.8	441	79.3	295	77.9	326	69.6	327	75.2	212	53.3	150	46.3	196	39.6	300	68.7
no answer	2	0					1	0					1	0.5										
Denominator - Those with casual male partners	4810		549		318		468		550		369		457		440		408		311		505		435	

Table C13. Used a condom at last sex with regular male partner among those who had a casual sex partner

Variable - Q606	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
no	1722	38.5	209	35.9	98	32.4	188	43.2	109	20.7	74	22.1	130	29.9	113	24.8	196	46.7	161	53.7	309	60.4	135	31.3
yes	3086	61.4	340	64.1	220	67.6	279	56.8	441	79.3	295	77.9	326	69.6	327	75.2	212	53.3	150	46.3	196	39.6	300	68.7
no answer	2	0					1	0					1	0.5										
Denominator - Those with casual male partners	4810		549		318		468		550		369		457		440		408		311		505		435	

Table C14. When you did not use a condom last time you had anal sex with your casual male partner, what were the reasons for not using a condom?

Multiple Responses	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q607	978	58.7	108	50.4	43	50	91	44.2	66	63.5	38	40.4	60	46.8	61	52.9	103	50.4	133	83.6	239	76.2	36	30.9
Not easily available	12	0.7	1	0.5									1	0.8	1	0.9	8	4.1			1	0.3		
Expensive																								
Was under the influence of alcohol/drug	268	15.2	21	9.9	6	5	37	15.7	12	14.5	2	3.8	58	40	32	28.8	29	12.8	3	1.6	62	22	6	4.9
Sex partner doesn't like to use it	110	5.5	8	5	3	2.5	22	10.3	14	10.3	3	3.9	13	11.5	7	7.3	12	4.6	1	0.5	5	1.1	22	15.9
I don't like to use it	406	22.4	51	22.6	9	9.3	68	41.6	21	18.2	25	44.6	39	27.6	40	35.7	49	21.5	25	13.8	38	11.9	41	30.3
Both don't like to use it	197	11	8	4.2	10	11	33	15.8	19	19.7	14	27.9	22	17	32	30.8	11	4.1	9	6.3	10	3.8	29	17.8
Don't think it is necessary	203	14.6	14	5.9	5	4	12	5.8	15	13.1	11	16.5	10	5.7	10	8.7	18	9.4	3	1.8	84	32.2	21	13.7
Don't think of it/forgot	272	16.4	15	7.6	23	21.7	19	8.8	14	14.1	8	11.9	63	46.6	17	14	25	17.1	6	3.4	57	20.4	25	22
I know this partner well	72	4	6	3.5	8	6.5	13	5.7	7	5.2	2	2.8	9	4.8	3	2.7	1	0.4	2	1.1	10	4.1	11	8.5
Other (Specify)	11	0.6	1	0.4	1	0.5			1	0.1			3	5.8							1	0.1	4	3.1
Denominator - Those who didn't use condom at their last time sex with casual male partners	1722		209		98		188		109		74		130		113		196		161		309		135	

Commercial male partners 1

Table C15. In the last 12 months, with how many men whom you paid money or gifts in exchange for sex have you had anal sex?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q701	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	7.7		3.3		2.2		3.3		7.7		2.2		3.3		5.5		4.4		3.3		3.3		17.6	

Table C16. In the last one month, with how many men whom you paid money or gifts in exchange for sex have you had anal sex?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q702	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		0		3.3	

Table C17. In the last one month, with what frequency did you use condoms during anal sex with men whom you paid money or gifts for sex?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q703																								
Always	125	44.8	14	34.3	1	33.3	4	32.4	57	62.4	4	46.2	10	32.6	9	65.5	1	8.9	2	50	1	16.9	22	36.4
Most times	25	10.6	4	6.1	1	66.7			5	7.2			3	40.5	5	20.6	1	22.2				6	10.5	
About half the time	13	4.2	1	1.6					2	2.6					2	5	1	22.2	1	25		6	7.5	
Occasionally	52	22.7	22	47.8			4	25.4	11	14			2	2.1			2	39.9	1	25	1	59.3	9	21.6
Never	44	17.8	8	10.3			3	42.2	13	13.8	4	53.8	4	24.7	2	8.9	1	6.8			1	23.7	8	24
Denominator - Those who had sex with commercial male partner 1 in last one month																								
	259		49		2		11		88		8		19		18		6		4		3		51	

Table C18. In the last week, how many times have you had sex with a man whom you paid money or gifts in exchange for anal sex?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q704	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	1.1		2.2		2.2		1.1		1.1		1.1		1.1		1.1		1.1		2.2		1.1		2.2	

Table C19. The last time you paid with money or gifts for anal sex with a man, was a condom used?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pya y		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q705																								
No	121	31	26	31.7			6	50.7	30	27.4	4	30.4	8	22.3	9	25.9	7	43.3	1	20	5	50.1	25	30.3
Yes	279	68.2	40	68.3	3	100	6	49.3	90	72.6	5	69.6	47	77.7	17	74.1	9	56.7	4	80	8	49.9	50	66.2
No answer	1	0.8																				1	3.5	
Denominator - Those with commercial male partners 1	401		66		3		12		120		9		55		26		16		5		13		76	

Table C20. If a condom was not used the last time you paid money or gifts for anal sex with a man, what were the reasons for not using a condom?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
Variable - Q706	36	33.5	6	31.3	1	46.1	1	46.1	10	37.4			1	4.1	6	67.2	4	65.9			3		52.4	5	18.3
Not easily available																									
Expensive																									
Was under the influence of alcohol/drug	9	9.9			1	7.7	1	7.7	2	16.9			2	46.5	2	23.9	1	14.8	1	100					
Sex partner doesn't like to use it	16	12			2	30.7	2	30.7	6	21					2	23.9								6	18
I don't like to use it	38	28.7	13	45.5	2	15.5	2	15.5	4	8	3	71.4	2	26.1	4	41.8	1	14.8			1		23.8	8	36.9
Both don't like to use it	22	12.6	2	3.9	1	15.4	1	15.4	5	9.8	4	100	1	8.1	1	14.9								8	22.5
Don't think it is necessary	18	12.1	6	18.2	2	30.7	2	30.7	1	1.3			2	9.8	2	17.9						1	23.8	4	10.2
Don't think of it/forgot	14	13.3	1	3					5	12.7			3	60			1	4.5			1		23.8	3	13.8
I know this partner well	9	5.8	1	1.5					3	4.7			1	1.6	1	14.9							3	14.2	
No answer	2	3							1	1.8													1	10.4	
Denominator - Those who didn't use condom at their last time sex with commercial male partners 1	164		29		9		9		37		7		12		18		7		1		6			38	

Commercial male partners 2

Table C21. In the last 12 months, how many men gave you money or gifts in exchange for anal sex?

Variable - Q707	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	23.1		16.5		4.4		3.3		26.4		3.3		6.6		3.3		11		64.9		3.3		44	

Table C22. In the last one month, how many men gave you money or gifts in exchange for anal sex?

Variable - Q708	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	3.3		2.2		1.1		1.1		3.3		1.1		1.1		0		2.2		11		0		6.6	

Table C23. In the last one month, with what frequency were condoms used during anal sex with men who gave you money or gifts in exchange for sex?

Variable - Q709	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	314	47.7	22	32.9	1	28.6	19	35.9	123	58.1	12	61.2	33	57.7	12	61.8	8	54	7	44.5	5	22	72	45.8
Most times	77	13.5	9	11.1			2	3.9	27	13.5			2	5.3	5	20.1	1	8.4	3	20.8			28	20.8
About half the times	31	5.1	1	1.5					9	5.2	2	5.8			1	3.3	3	17.5	3	22			12	7.3
Occasionally	125	21.4	33	48			9	24.9	29	17.8	4	16.7	11	21.7			3	20.1	1	4.8	2	10.6	33	20.6
Never	63	12.4	7	6.5	2	71.4	12	35.3	13	5.5	2	16.3	4	15.4	5	14.7			1	8	9	67.4	8	5.5
Denominator - Those who had sex with commercial male partner 2 in last one month	610		72		3		42		201		20		50		23		15		15		16		153	

Table C24. In the last week, how many times have you had sex with a man who gave you money or gifts in exchange for anal sex

Variable - Q710	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	3.3		1.1		1.1		1.1		2.2		2.2		1.1		1.1		4.4		4.4		1.1		5.5	

Table C25. Was a condom used the last time you had anal sex with a man who gave you money or gifts in exchange for anal sex?

Table Q26: Has a condom used the last time you had anal sex with a man who gave you money or gifts in exchange for anal sex?																									
Variable - Q711	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
No	260	29.6	34	29.8	3	55.7	22	51.4	51	20.4	6	26.7	31	25.2	17	24.1	13	43.9	4	23.6	25	59.3	54	24.8	
Yes	678	70.1	54	70.2	2	44.3	29	48.6	229	79.6	19	73.3	98	74.8	41	75.9	22	56.1	11	76.4	20	40.7	153	74	
No answer	1	0.3																					1	1.2	
Denominator - Those with commercial male partners 2	939		88		5		51		280		25		129		58		35		15		45		208	100	

Table C26. What was the reason for not using a condom at last anal sex with a man who gave you money or gifts in exchange for anal sex?

Multiple Responses Variable - Q712	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	110	47.7	10	27.1	1	59.7	12	62.6	24	47.2	1	10.5	14	54.5	8	49.1	5	34.5			16	67	19	41.4
Expensive	1	0.4													1	6.9								
Was under the influence of alcohol/drug	41	12.8	2	7.4			6	20.5	2	3			18	46.3	4	19.6					8	27.8	1	1.2
Sex partner doesn't like to use it	51	17.6	5	11.5			8	35.3	18	33.1			3	17	1	4.1	1	6.8	2	59.3	1	2.9	12	19.9
I don't like to use it	67	25.4	7	28.3			5	26.1	8	14.8	4	68.4	9	31.6	8	44	6	31.4	1	20.3	6	22	13	22.5
Both don't like to use it	56	18.3	4	12.3	1	39.8	5	26.5	13	24.9	1	15.8	7	28.7	7	37.5	3	16.4	1	20.3	1	2.9	13	17.6
Don't think it is necessary	42	19.3	4	11			2	16	6	12.3	2	31.6	2	5.1	4	24.1	1	6.8			12	45.5	9	12.2
Don't think of it/forgot	48	18.4	3	9.2	1	0.5	2	12.1	4	9.5	1	15.8	16	53.3	1	2.1	1	27.3			6	19.1	13	24.7
I know this partner well	17	5.4	2	1.7			1	2.4	4	7			2	3.4	2	14.4					1	5.7	5	7.1
Other(Specify)	2	1.3	1	2.5					1	6.3														
No answer	1	1.1																					1	4.7
Denominator - Those who didn't use condom at their last time sex with commercial male partners 2	260		34		3		22		51		6		31		17		13		4		25		54	

D. Regular, casual and commercial female partners Regular Female Partners

Table D1. In the last 12 months, how many regular female partners have you had?

Variable - Q801	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	2.2		3.3		1.1		2.2		2.2		1.1		1.1		2.2		2.2		1.1		1.1		1.1	

Table D2. In the last one month, have many regular female partners have you had?

Variable - Q802	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1		0		1.1	

Table D3. In the last one month, with what frequency were condoms used during sex with regular female partners?

Variable - Q803	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	192	19.7	21	14.9	2	33.4	21	25.8	12	13.3	29	46.7	15	13.2	25	17.5	47	35.2	8	6.7	5	5.8	7	17.3
Most times	31	3.5	10	6.8	2	66.6			1	0.7			1	2.3	6	3.1	9	6.1	1	0.8			1	1.8
About half the times	13	1.1	1	0.6			3	3.7	2	2.1					1	0.3	5	2.8	1	1.2				
Occasionally	127	12.6	76	49.4			15	15.6	11	12.5	7	11.3	3	2.3	5	4.4	8	5.3					2	5.3
Never	613	63.1	57	28.3			41	55	51	71.4	22	42	86	82.3	118	74.7	74	50.6	92	91.2	42	94.2	30	75.6
Denominator - Those who had sex with regular female partners in last one month	976		165		4		80		77		58		105		155		143		102		47		40	

Table D4. In the last week, how many times have you had sex with regular female partners?

Variable - Q804	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	2.2		1.1		1.1		2.2		1.1		2.2		1.1		3.3		1.1		1.1		2.2		3.3	

Table D5. The last time you had sex with a regular female partner, did you use a condom?

Variable - Q805	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1030	72.9	122	53			62	65.6	93	77.5	42	55.3	131	80.3	170	77.6	172	71.6	96	91.6	89	80.5	53	80.8
Yes	382	26.9	85	45.4	5	100	34	34.4	29	22.5	36	43.7	34	19.7	51	22.4	63	28.4	10	8.4	19	19.5	16	19.2
No answer	4	0.3	2	1.6							2	1												
Denominator - Those with regular female partners	1416		209		5		96		122		80		165		221		235		106		108		69	

Table D6. If a condom was not used at last vaginal sex with a regular female partner, why not?

Variable - Q806	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	213	22.3	35	29.1	35	29.1	22	28.7	18	21.7	12	25.8	6	5	18	12.7	42	25.3	24	21.8	34	47.2	2	4.2
Expensive	3	0.3	1	0.8	1	0.8											2	1.2						
Using other contraception	221	22	14	6.7	14	6.7	39	64.8	20	21.1			55	32.6	5	2.5	6	2.6	27	27.1	34	53	21	46
Was under the influence of alcohol/drug	45	4.3	5	6.7	5	6.7	2	6.1	5	6			15	9	5	3.4	5	2.1			8	9.3		
Sex partner doesn't like to use it	55	4.6	3	1.6	3	1.6	6	8.1	4	2.8			25	23.6	3	1.7	10	5.6	1	0.9	3	4.5		
I don't like to use it	263	26	34	26.9	34	26.9	20	33.8	13	14.9	20	54.6	45	40.2	83	48.8	22	12.2	5	5.2	15	19.9	6	12.6
Both don't like to use it	351	35.6	9	6.1	9	6.1	19	38.8	50	56.5	18	48.9	61	49.5	87	46.8	14	8.2	56	59.6	15	17.4	22	46.8
Don't think it is necessary	264	27.4	17	13.1	17	13.1	6	2.8	34	37.1	12	35.6	49	38.5	31	17.2	13	7.7	7	8.7	64	69.5	31	64.9
Don't think of it/forgot	44	4.8	1	1	1	1	2	1.8	6	6	3	6.1	5	4.4	4	2.2	3	2.7			12	11.3	8	19.4
I know this partner well	368	33	21	19	21	19	17	23.4	27	31	1	1.3	63	37.3	99	58.7	106	59	3	3	2	3.7	29	49.3
Other (Specify)	7	1					1	1.7	3	5.1			1	1.2							1	2.4	1	1.4
No answer	5	0.4	2	2.9	2	2.9			1	0.5	1	1.6									1	0		
Denominator - Those who had sex with regular female partners and didn't use condom at their last sex	1030		122		0		62		93		42		131		170		172		96		89		53	

Table D7. In the last 12 months, how many casual female partners have you had?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q901	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	4.4	4.4	5.5	4.4	3.3	3.3	3.3	4.4	3.3	4.4	2.2	2.2

Table D8. In the last one month, have many regular female partners have you had?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q902	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	1.1	1.1	3.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0	1.1

Casual Female Partners

Table D9. In the last one month, with what frequency were condoms used during sex with casual female partners?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q903																								
Always	130	39.1	16	13.5			17	42.1	11	41.8	2	26.9	5	84.3	37	59.8	37	60.3	2	19			3	68.2
Most times	32	11	9	11.3					4	17.2	4	41			6	11.1	8	13.5	1	9.5				
About half the times	13	3.4	2	1.2			1	2.6							5	5.4	3	4.6	2	23.8				
Occasionally	86	26.6	66	62.2			8	12.9	3	9.9	2	32.1			2	3	3	8.3			1	100	1	9.1
Never	67	19.9	16	11.9	1	100	13	42.3	5	31.1			3	15.7	13	20.7	11	13.3	4	47.6			1	22.7
Denominator - Those who had sex with casual female partners in last one month	328		109		1		39						8		63		62		9		1		5	

Table D10. The last time you had sex with a casual female partner, did you use a condom?

Table D10: The last time you had sex with a casual female partner, did you use a condom?																								
	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q905																								
No	231	39.8	62	45.9			19	43.6	28	42.5	1	9.2	11	31.6	50	30.9	42	49.1	8	47.5	6	61.2	4	22.2
Yes	337	59.9	62	52.9	1	100	25	56.4	44	57.5	10	90.8	14	68.4	121	69.1	39	50.9	9	52.5	4	38.8	8	77.8
No answer	1	0.3	1	1.2																				
Denominator - Those with casual female partners	569		125		1		44		72		11	25		171	81			17		10			12	

Table D11. If a condom was not used at last vaginal sex with a casual female partner, why not?

Multiple Responses Variable - Q906	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	116	49.3	21	32.4	21	32.4	9	47.1	13	48	1	100	4	30.1	23	45.3	33	78.5	5	57.9	5	62	2	74.2
Expensive	1	0.4															1	2.4						
Using other contraception	19	5.6	1	0.7	1	0.7	7	25	1	0.9			1	7.2			6	10.5			3	41.1		
Was under the influence of alcohol/drug	28	11.5	4	10.8	4	10.8	2	5.8	5	18.3			4	42.2	6	11.9	5	8.7			1	12.7	1	10.6
Sex partner doesn't like to use it	8	1.8	2	2	2	2	2	7.1	1	0.9			1	7.2			2	2.8						
I don't like to use it	64	29.6	22	32.3	22	32.3	5	37	4	21			3	25.3	24	48.7	5	9.6			1	38		
Both don't like to use it	41	16.9	5	5.4	5	5.4	4	10.5	8	39.8			3	28.9	13	21.7	4	8.1	3	42.1			1	15.2
Don't think it is necessary	27	11.4	2	2.4	2	2.4	4	34.8	3	13.1			3	25.3	9	11.9	1	2.6			4	60.1	1	21.2
Don't think of it/forgot	15	6.6	1	1	1	1	1	0.1	1	3.1			1	18.1	6	13.2	2	3.5			3	50.6		
I know this partner well	23	11.2	7		7	14.5	2	9.2	2	7.8			3	28.9	7	14.8	1	7.9					1	15.2
Other (Specify)	4	0.9	1	1	1	1			3	4.3														
No answer	1	0.6	1	2.5	1	2.5																		
Denominator - Those who had sex with casual female partners and didn't use condom at their last sex	231		62		0		19		28		1		11		50		42		8		6		4	

Commercial Female Partners 1

Table D12. In the last 12 months, how many female partners whom you pay money, gifts, or favors to have sex have you had?

Variable - Q1001	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	4.4		2.2		2.2		3.3		4.4		3.3		4.4		7.7		2.2		5.5		2.2		2.2	

Table D13. In the last one month, how many female partners whom you pay money, gifts, or favors to have sex have you had?

Variable - Q1002	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean ($\bar{x}$)	1.1		1.1		1.1		1.1		0		2.2		0		1.1		0		1.1		0		1.1	

Table D14. In the last one month, with what frequency did you use condoms during vaginal/anal sex with women whom you gave money or gifts for sex?

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	206	68.8	14	24.5	14	24.5	20	48.7	26	91.3	3	80	28	90	79	80	7	64	10	70.1	8	79.6	11	67.5
Most times	19	6.4	3	6.8	3	6.8									12	12.3	2	15.8					2	12.7
About half the times	5	1.6	1	0.7	1	0.7			2	5.8					1	1.6	1	6.8						
Occasionally	32	12.6	20	62.7	20	62.7	4	15.8	1	2.9	1	20	1	1.6	2	1.3	1	6.8	1	6	1	1.1		
Never	30	10.6	3	5.2	3	5.2	10	35.5					2	8.4	4	4.9	1	6.8	4	23.9	3	19.4	3	19.8
Denominator - Those who had sex with commercial female partner 1 in last one month	292		41		41		34		29		4		31		98		12		15		12		16	

Table D15. In the last week, how many times have you had sex with a woman whom you paid money or gifts in exchange for sex?

Variable - Q1004	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (x̄)	1.1		1.1		1.1		1.1		0		1.1		0		0		1.1		0		0		1.1	

Table D16. The last time you paid with money or gifts for sex to a woman, was a condom used?

Variable - Q1005	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	113	17.1	16	22.6	16	22.6	15	37.2	8	7.7	1	15	5	6.6	17	7.5	15	29.4	13	39.7	14	25.3	9	32.3
Yes	569	82.9	44	77.4	44	77.4	36	62.8	84	92.3	7	85	124	93.4	170	92.5	34	70.6	19	60.3	34	74.7	17	67.7
Denominator - Those who had last time sex with commercial female partner 1	682		60		60		51		92		8		129		187		49		32		48		26	

Table D17. If a condom was not used the last time you paid money or gifts for sex with a woman, what were the reasons for not using a condom?

Variable - Q1006	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	40	34.7	7	29.6	7	29.6	7	33.8	3	41.9	1	100			4	24	3	18.2	7	56.7	7	54.2	1	6.8
Expensive	1	0.9															1	6.7						
She used contraceptives	16	18.5					7	45.9									1	6.1			8	61.4		
Was under the influence of alcohol/drug	14	14.2					2	8.1	1	12.9					1	4	3	17	2	16.7	5	44.6		

[illegible]

Commercial Female Partners 2

Table D18. In the last 12 months, how many female partners who give you money, gifts, or favors to have sex have you had?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1007	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	2.2	2.2	2.2	2.2	2.2	2.2	1.1	3.3	1.1	5.5	2.2	5.5

Table D19. In the last one month, how many female partners who give you money, gifts, or favors to have sex have you had?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1008	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	1.1	1.1	1.1	1.1	1.1	0	0	1.1	0	3.3	0	2.2

Table D20. In the last one month, with what frequency did you use condoms during vaginal/anal sex with women who give you money or gifts for sex?

		All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1009																									
	Always	10	25.3					2	20.8	3	30.5	3	30.5	2	53.8	1	40	1	100			1	15.8	1	15.8
	Most times	2	10.8	1	20		20															1	63.2	1	63.2
	About half the times	2	7.2					1	15.6												1	100			
	Occasionally	1	1.4					1	5.2																
	Never	16	55.2	2	80	2	80	4	58.3	6	69.5	6	69.5	2	46.2	1	60					1	21.1	1	21.1
Denominator - Those who had sex with commercial female partner 2 in last one month		31		3		3		8		9		9		4		2	1	1				3		3	

Table D21. In the last week, how many times have you had sex with a woman who give you money or gifts in exchange for sex?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheingyi	Pyaw	Taunggyi	Yangon
Variable - Q1010	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	2.2	5.5	5.5	1.1	1.1	1.1	0	1.1	1.1	0	0	1.1

Table D22. Was a condom used the last time you had sex with a woman who gave you money or gifts?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1011																								
No	30	43.5	3	84.2	3	84.2	7	68.5	10	53.2	1	100	3	11.9			2	46.2	1	100	1	100	2	17.5
Yes	43	56.5	1	15.8	1	15.8	3	31.5	11	46.8			15	88.1	4	100	2	53.8					7	82.5
Denominator - Those who had sex with commercial female partner 2 at last time	73		4		4		10		21		1	18			4		4		1		1		9	

Table D23. If a condom was not used, what were the reasons for not using a condom?

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheingyi	Pyaw	Taunggyi	Yangon
Multiple Responses	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1012	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	9	20.4			1	7.9	3	27				
She used contraceptives	5	8.5			3	27.7						
Was under the influence of alcohol/drug	5	10.2	1	37.5	2	14.5						
Sex partner doesn't like to use it	3	9.3			1	13.1	2	16.1				
I don't like to use it	9	43.2	1	37.5	2	39.6	4	52.1	1	100		
	7											
Both don't like to use it		14.7			2	21	1	5.7				
Don't think it is necessary	4	6.9	1	25								
Don't think of it/forgot	3	4.1										
I know this partner well	5	14.6	1	37.5	2	27.6						
Other (Specify)	1	1.7			1	4.7						
Denominator - Those who had last time sex with commercial female partner 2 and didn't use condom	30		3		7		10		1		2	

E. Partner concurrency

Table E1. Think about all the sex partners you had in the last 6 months. With how many of these do you still have active sexual relationships

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1101	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	3.3	3.3	1.1	2.2	3.3	1.1	3.3	3.3	2.2	1.1	1.1	8.8

Table E2. Think about the first person you had sex with most recently. How long ago did you last have sex with this person? In months

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1102	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	1.1	0	6.6	3.3	0	0	0	1.1	1.1	0	1.1	2.2

Table E3. How long ago did you first have sex with this person? Years

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1103	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	1.1	1.1	1.1	1.1	0	1.1	1.1	1.1	2.2	1.1	1.1	1.1

Table E4. Think about the 2nd person you recently had sex with. How long ago did you last have sex with this person? In months

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1104	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	2.2	0	7.7	5.5	0	1.1	1.1	3.3	2.2	1.1	2.2	3.3

Table E5. How long ago did you first have sexual intercourse with this person? Years

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1105	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	1.1	1.1	2.2	1.1	0	0	1.1	1.1	2.2	1.1	1.1	1.1

Table E6. Think about the 3rd person you recently had sex with. How long ago did you last have sex with this person? Months

	All sites	Bago	Dawei	Magway	Mandalay	Meiktila	Monywa	Pakkoku	Patheim	Pyay	Taunggyi	Yangon
Variable - Q1106	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$	$\bar{x}$
mean ($\bar{x}$)	4.4	0	6.6	8.8	0	2.2	1.1	3.3	4.4	1.1	3.3	4.4

Table E7. How long ago did you first have sexual intercourse with this person? In years

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q1107	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (x̄)	1.1		2.2		1.1		3.3		0		1.1		1.1		1.1		2.2		1.1		0		1.1	

F. Condoms and lubricants

Table F1. Do you know of any place or person from which you can obtain condoms?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Variable - Q1201	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	822	14.5	141	24.5	131	30.4	89	15.6	34	5	36	9.1	18	5.2	113	22.8	53	9	16	4.4	122	19.4	69	11.2
Yes	5313	85.5	465	75.5	276	69.6	475	84.4	672	95	516	90.8	492	94.8	386	77.2	508	91	409	95.6	479	80.6	635	88.8
No answer	1	0									1	0.1												
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F2. Please tell me all the places or person you know where you can get condoms?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
Multiple Responses	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1202	3604	67.8	322	59.2	149	53.1	320	66.6	462	69.6	430	81.9	385	75.9	218	57.8	264	55.6	209	51.6	444	91.7	401	61.3
Pharmacy	1439	26.8	99	16.1	21	5.9	39	9.2	269	41.2	240	39.1	153	34.2	73	20.1	114	21.5	23	5.5	192	41.2	216	33.2
Store/ Shop	2683	43.4	189	30.2	149	63.8	151	26	523	72.9	181	31.2	410	77.6	98	23.9	256	42.9	271	64.3	39	6.6	416	62.8
Drop-In Center	1047	18.3	72	12.7	46	12.8	119	24.5	47	8.4	225	42.9	29	4.7	11	3	126	20.7	121	30.2	26	5.1	225	31.9
Hospital/ clinic/STD team	1091	17.6	133	29.1	45	14.6	112	18.8	160	20.5	122	17.8	99	16.2	58	13.1	134	22.9	42	9.2	33	7.5	153	25.8
Karaoke/Restaurant	141	2.1	21	3.2					4	0.4	30	5	2	0.1	1	0.4	67	10.4			6	1.7	10	1.2
Inn/ Hotel/ Motel/Guesthouse	294	4.8	30	4.4	1	0.9	12	3	65	12.6	24	4	14	1.2	1	0.2	55	8.1	10	2.4	3	0.8	79	9.1
Outreach educator/Health worker/Health	1426	23.3	159	44.1	19	6	165	31.4	239	33.7	11	1.4	299	52.8	47	12	34	4.9	164	38.1	40	8.7	249	34.5
Peer/Friend	1356	24.4	179	49.1	56	16.8	64	13.2	286	40.6	98	15.9	164	34.3	86	22.3	88	16	73	17	72	17.5	190	30.1
Other (Specify)	42	0.7	3	1.3			21	4.4	7	1			9	2.3							1	0.2	1	0.1
no answer	1	0																	1	0.3				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F3. In the last 12 months, how do you get condoms most of the time?

Variable - Q1203	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never get condom in the last 12 months	906	18.6	78	10.7	55	13.5	103	22.1	22	4	36	9	13	3.3	39	7.6	85	15.3	109	24.9	284	47.1	82	14.5
Sex partner provides/brings condoms	1226	21.1	154	26.6	115	28.3	56	10.5	112	16.9	122	23.1	88	20.9	204	40.3	107	19.5	18	4.3	168	28.7	82	13.1
I get them for free from NGO	2642	37.6	227	40	181	47.5	238	37.5	451	57.7	152	23.8	355	64.7	131	26.4	224	35.5	217	49.6	37	5.2	429	56.8
I buy them myself	1352	22.5	146	22.1	56	10.7	166	29.9	121	21.5	243	44	49	9.9	125	25.6	145	29.7	78	20.4	112	19	111	15.6
No answer	10	0.2	1	0.6			1	0					5	1.2					3	0.7				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F4. In the last 12 months, how often can you get a condom every time you need/want one?

Variable - Q1204	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	3955	60.4	286	38.9	292	72.7	334	56.3	549	73.6	379	65.5	406	73	291	55.2	323	57.8	327	76.1	279	46.8	489	65.3
Most times	648	10.2	90	15.6	52	13.2	32	5	82	13.7	85	14.6	73	16.9	43	8.3	96	16.6	12	3.3	27	4.9	56	8.9
About half the times	141	2.4	10	1.1	12	2.3	7	1.4	8	1.4	8	1.8	1	0.9	25	6.7	38	6.4	7	1.5	4	0.5	21	3.3
Occasionally	629	11.3	169	36	10	2.4	85	14.8	47	7.5	26	6	15	5.2	29	6.5	70	13	29	6.5	73	12	76	11.3
Never	747	15.3	50	7.8	41	9.4	106	22.5	20	3.8	54	11.9	11	2.8	111	23.3	33	6	46	11.3	215	35.5	60	10.9
No answer	16	0.3	1	0.6							1	0.1	4	1.2			1	0.3	4	1.2	3	0.2	2	0.3
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F5. If you could not always get condoms whenever you want one, what are the reasons that you don't get?

Variable - Q1205	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Cost too much	61	2.4	3	0.5	1	2.4	7	3.1	1	0.6	28	16.2			4	1.6	10	4			1	0.2	6	2.1
Clinic/DIC/outreach worker do not provide them	192	8	6	2.6			13	3.7	47	34.2	10	6.7	32	27.5	35	15.8	20	6.2	4	3.9	2	0.7	23	12
Embarrassed to get condoms	657	31.9	93	22.4	25	18.1	25	9.5	21	13.8	56	40.1	34	29.8	17	9	83	41.6	59	61.8	186	53.8	58	28.2
Do not know where to get condoms	598	25.7	131	35.1	65	54.9	67	27.7	23	14.5	17	11.8	10	6.3	126	61.2	44	16.6	5	6.5	66	20.3	44	20.8
Condoms not easily available	1175	55.4	151	50.8	65	56.2	144	62.9	108	70.5	92	44.7	31	25.8	89	42.3	126	45.4	33	31.8	231	75.6	105	47.2
Other	70	3.1	3	0.5	7	5.8	1	0.4	4	1.6	1	0.1	29	35.8	6	1.6	1	0.4	1	0.9			17	10.3
No answer	10	0.6	2	1.9							4	3.4							1	0.9			3	0.8
Denominator - Those who didn't get condoms "Always" everytime when they need	2181		320		115		230		157		174		104		208		238		98		322		215	

Table F6. In the past 3 months, have you been given condoms for free?

Variable - Q1206	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	3434	59.7	316	50.7	235	56.2	321	56.2	283	48	343	68.3	235	56	370	74.1	351	64.1	228	55.9	469	76.1	283	44.1
Yes	2702	40.3	290	49.3	172	43.8	243	43.8	423	52	210	31.7	275	44	129	25.9	210	35.9	197	44.1	132	23.9	421	55.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F7. Do you use free condoms?

Variable - Q1207	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	377	18	38	11.9	18	10.9	41	23.1	32	8.3	34	19.5	13	4.7	16	12.3	37	20.9	45	22.8	51	45	52	15.2
Yes	2323	81.9	251	87.9	154	89.1	202	76.9	391	91.7	175	80.1	262	95.3	113	87.7	173	79.1	152	77.2	81	55	369	84.8
No answer	2	0	1	0.2							1	0.4												
Denominator - Those who have been given condoms for free	2702		290		172		243		423		210		275		129		210		197		132		421	

Table F8. Do you prefer free condoms or branded condoms that you pay for?

Variable - Q1208	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Free	1677	59.1	158	56.1	151	85	122	51.3	250	60.1	81	36.1	247	88.9	78	61.1	131	58.2	157	79.9	42	26.8	260	60.6
Branded	451	19	58	24.2	4	0.5	56	29.3	77	15.8	62	36.5	19	7.3	30	25.8	26	14.2	6	3	32	26	81	21.4
No preference	491	17	72	19.1	17	14.5	56	15.8	88	21.7	61	25	9	3.8	14	9.6	51	26	33	16.7	25	19.4	64	12.8
Don't know	82	4.9	2	0.6			9	3.6	8	2.4	5	2			7	3.6	2	1.6	1	0.5	33	27.9	16	5.2
No answer	1	0									1	0.4												
Denominator - Those who have been given condoms for free	2702		290		172		243		423		210		275		129		210		197		132		421	

Table F9. Have you ever heard of a female condom?

Variable - Q1209	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	3095	53.9	344	54.7	281	68.2	222	41.7	271	40.8	236	49.1	224	46	304	62.5	288	52.8	220	54.7	458	75	247	38.3
Yes	3040	46.1	262	45.3	126	31.8	342	58.3	435	59.2	316	50.7	286	54	195	37.5	273	47.2	205	45.3	143	25	457	61.7
No answer	1	0									1	0.1												
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F10. Have you ever used a female condom for anal sex?

Variable - Q1210	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	2803	94.1	243	95.9	125	98	272	85.1	401	94.3	304	97.1	272	96.8	185	95.5	254	93.8	204	99.5	140	97.6	403	91.2
Yes	238	5.9	19	4.1	1	2	70	14.9	34	5.7	13	2.9	14	3.2	10	4.5	19	6.2	1	0.5	3	2.4	54	8.8
Denominator - Excluding those who didn't heard of female condom	3041		262		126		342		435		317		286		195		273		205		143		457	

Table F11. Why have you used this kind of condom for anal sex?

Multiple Responses Variable - Q1211	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Protection from HIV	99	1.9	14	2.8	1	0.9	55	13.5	4	1.1	2	0.3	5	0.7			8	2.8	1	0.4			9	1.5
Protection from other infections	66	1.2	9	1.3			28	6.4	4	1.1	1	0.1	4	0.5	1	0.3	5	1.1			1	0.4	13	2.8
Didn't have male condom	58	1.3	4	1			10	2.1	8	2.2	7	1.3	1	0.1	6	1.7	9	3			1	0.4	12	2.9
Partner won't use male condom	132	2.5	11	1.8			41	9.6	21	4.2	2	0.5	6	1.2	3	0.7	10	2.3			1	0.1	37	8.9
Reduces mess	46	0.8	6	0.8			20	5.1	6	1.3			3	0.5			3	0.6	1	0.4			7	1.1
Other:	23	0.6					3	1	4	0.9	3	0.9	3	1.8	3	0.7							7	2.1
Denominator - Those who used female condom for anal sex	238		19		1		70		34		13		14		10		19		1		3		54	

Table F12. out of 10 times using condom, how many times did you use female condom?

Variable - Q1212	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (x)	3.3		3.3		3.3		4.4		1.1		1.1		1.1		1.1		2.2		3.3		2.2		2.2	

Table F13. In the past 3 months, have you received counseling on condom use and safe sex?

Variable - Q1213	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4050	69.1	374	62.9	269	62	412	73.3	439	67.2	387	76.5	272	64	370	75.2	411	77	250	61.8	474	75.6	392	59.2
Yes	2086	30.9	232	37.1	138	38	152	26.7	267	32.8	166	23.5	238	36	129	24.8	150	23	175	38.2	127	24.4	312	40.8
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F14. Have you ever had the experience of condom breaking while having sex?

Variable - Q1214	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4635	78.5	481	77.6	363	92.3	460	84.5	426	63.1	449	85.7	346	70.6	369	73.4	409	75.1	335	79.4	541	90.8	456	67.3
Yes	1499	21.4	124	21.9	44	7.7	104	15.5	280	36.9	104	14.3	164	29.4	129	26.6	152	24.9	90	20.6	60	9.2	248	32.7
No answer	2	0	1	0.6											1	0								
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F15. For what reason(s) do you think the condom broke?

Multiple Responses Variable - Q1215	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Poor quality of condom	311	23.2	19	12.2	3	8.5	22	18.4	60	20.3	18	20.4	27	19.8	13	11.3	56	43.2	16	19.6	37	63.6	40	18
Expired condom	183	12.1	7	3.7	1	0	10	10.6	53	17.1	22	17	23	12.8	14	13.6	8	4.9	2	2	10	16.4	33	16.4
Condom wrong size	108	7.9	3	1.6			18	16.1	3	1.1	6	6.2	1	0.3	7	4.8	21	11.2	1	1	14	20.9	34	15.2
User error	462	32.1	22	26.1	17	37.3	30	29.5	99	33.5	10	13.9	61	38.9	45	30.6	33	19.5	20	21.4	26	49.6	99	40.4
No lubricant	261	15.9	12	6.7	2	11.2	15	12.2	61	20.7	14	13.3	55	26.7	7	6.9	31	17.2	1	1.5	9	9.8	54	25
Wrong type of lubricant	40	2.3	1	0.5					4	0.9	2	1.2	1	0.2	1	0.7	18	10.2			1	2.9	12	3.8
Violence	812	50.3	69	48.8	17	40.5	48	41.4	190	69.2	68	58.9	117	60.6	49	37.4	54	35.5	50	52.9	30	52.7	120	45.3
Used two condoms at same time	27	1.8	1	0.9			1	1.1	7	2.1	1	0.4	1	0.2			11	5.8	3	4	2	5.8		
Sex lasted too long	385	23.9	17	9.5	9	17.4	18	21.3	69	28.3	54	41.4	52	28.5	46	35.8	24	13.6	25	26.7	10	17.5	61	22.4
Large/disfigured penis	215	13.2	13	9.3	11	32	28	24.4	39	13.8	23	17.1	20	7.7	10	7.8	10	5.5	4	4	2	3.9	55	21.8
Others	1	0.2																					1	1
No answer	36	2.5	8	3.9	2	8.5	3	4.3	2	0.7			2	1.7	5	5.1			1	1	1	1	12	4.1
Denominator - Those with ever had the experience of condom break	1499		124		44		104		280		104		164		129		152		90		60		248	

Table F16. In the last month, have you had the experience of a condom breaking while having sex?

	Table 1. 16: in the last month, have you had any experience of a condom breaking while having sex?																							
	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1216																								
No	1131	74.7	77	50.2	35	71.1	79	77.9	215	79.5	84	84.4	122	72	119	90.6	115	77.2	67	76.2	53	90.2	165	63.6
Yes	365	24.7	47	47.2	9	28.9	25	22.1	65	20.5	20	15.6	41	24.8	10	9.4	37	22.8	23	23.8	7	9.8	81	35.6
No answer	5	0.6	1	2.6									1	3.2	1	0						2	0.9	
Denominator - Those with the experience of condom break in the last month	1501		125		44		104		280		104		164		130		152		90		60		248	

Table F17. The last time you had sex; did you have the experience of the condom breaking?

Variable - Q1217	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1318	87.3	95	65.3	35	77.7	88	86.7	256	91.6	100	96.2	146	91.5	119	92.3	126	83.4	85	94.4	55	91.2	213	85.5
Yes	180	12.5	29	32	9	22.3	16	13.3	24	8.4	4	3.8	18	8.5	10	7.7	25	15.9	5	5.6	5	8.8	35	14.5
No answer	3	0.3	1	2.6											1	0	1	0.7						
Denominator - Those with the experience of condom break at last sex	1501		125		44		104		280		104		164		130		152		90		60		248	

Table F18. Have you ever used lubricants while having anal sex?

Variable - Q1218	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	3105	53.1	369	59.9	291	67.5	267	51.1	220	34.4	177	34.8	320	68.2	328	66.1	261	46.3	193	46.3	471	78	208	31.5
Yes	3030	46.9	237	40.1	116	32.5	297	48.9	486	65.6	376	65.2	190	31.8	171	33.9	300	53.7	232	53.7	130	22	495	68.1
No answer	1	0																					1	0.3
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table F19. How often have you used lubricants in the last one month?

Variable - Q1219	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	1517	49.9	108	36.8	63	56.7	184	56.8	174	33.5	266	67.8	27	14.4	72	39.1	159	54.2	126	54.2	80	62.8	258	50.6
Most of the time	357	11.4	37	14	22	15.6	3	0.6	61	12.7	62	16.2	7	3.5	32	17.9	65	22	10	3.9	13	11	45	8.4
About half the time	142	5.2	3	0.7	4	3.5	5	1.8	33	7.1	6	1.4	1	0.7	25	20.4	16	5	28	14.4	4	1.8	17	3.3

Occasionally	943	31.3	88	48.1	26	22.2	102	39.4	185	41.2	40	13.9	148	75.2	41	21.7	59	18.6	67	26.8	29	22.9	158	33.8
Never	69	2.2	1	0.4	1	2	3	1.4	33	5.6	2	0.7	7	6.1	1	0.8	1	0.2	1	0.6	3	1.1	16	3.5
No answer	3	0.1																		1	0.4	2	0.3	
Denominator - Excluding those didn't use lubricants	3031		237		116		297		486		376		190		171		300		232		130	496		

Table F20. If you don't always used lubricants, what are the main reasons that you don't use?

Multiple Responses Variable - Q1220	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Not easily available	635	43.4	65	53.5	14	21.7	42	37.9	152	50.9	45	44.5	61	42.7	37	33.3	68	48.7	41	43	42	88.6	68	26.4
Expensive	29	1.7					1	0.6	4	2.1	10	6.5					11	6.9					3	1.2
Sex partner doesn't like to use it	155	10.4	2	3.5	2	4.7	7	8.4	39	13.5	12	5.9	25	10	8	9.8	20	14.2	4	3.4	2	4.4	34	17.5
I don't like to use it	303	18.6	6	3.7	5	3.9	41	39.2	69	22.6	18	14.2	60	34.7	16	21.8	24	12.9	4	3	4	9.3	56	23.4
Both don't like to use it	186	11.1	2	2.6	6	15.5	18	14.5	66	23	7	5.6	35	13	14	12.2	10	5.4	1	1.3			27	11.9
Don't think it is necessary	522	33.1	37	23.1	13	35.7	16	10.8	113	38.6	27	27.8	84	38.2	57	57.9	23	14	43	37.4	12	28	97	41.1
Don't think of it/forgot	271	17.7	24	17.1	14	22.9	7	2.6	40	14.6	44	46.1	28	18.8	14	12.1	30	22.2	16	14	5	6	49	20.4
I'm ashamed/embarassed to buy it because it is associated with homosexual	36	2.9	1	0.6	2	3.1	8	6.6	3	1.2	1	1.4	2	0.5			3	3.9			2	6.6	14	5.7
Other (Specify)	8	0.5			2	3.1			1	0.3			1	1.1									4	1.3
No answer	1	0									1	0.5												
Denominator - those didn't use lubricants "Always" in last one month	1514		129		53		113		312		110		163		99		141		106		50		238	

Table F21. all the places you know where you can get lubricants?

Multiple Responses Variable - Q1221	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Pharmacy	1389	45.1	57	20.8	28	29.8	184	59.2	244	47.3	296	76.1	89	38.3	69	44	139	51.7	35	15	98	75.5	150	30
Store/ Shop	580	18.5	11	3.4	3	1.1	9	3.5	136	26	160	34.4	23	13.3	18	11.5	60	22.4	6	2.7	39	35.2	115	21.9
Drop-in Center	1844	55	128	45.1	94	80.9	106	30.7	388	75.8	163	37.4	155	67.4	61	31.9	180	51.4	191	81.7	29	19.9	349	67.6
Betel shop	309	9.5	7	1.6	6	3.7	19	7.2	14	3.2	129	30.7	5	1.4	4	2.3	38	11.5	20	9.1	2	1.8	65	13.2
Hospital/ clinic/STD team	549	14.9	60	31.2	6	3.1	82	22.2	102	17.7	83	16.8	37	12.7	25	12.3	58	13.9	13	5	10	7.6	73	14.4
Karaoke/Restaurant	70	1.7	4	0.8	1	0.7			3	0.3	24	4.9			1	0.8	32	9.1					5	0.8

Inn/ Hotel/ Motel/Guesthouse	79	2	7	3.9			5	1.3	11	2.2	16	2.4	5	1.1				18	4					17	3.2
Outreach educator/BHS	825	24.1	71	34.9	7	4	127	40.6	161	31.4	8	1.6	124	54	14	7.4	15	4	106	44	17	11.3	175	31.8	
Peer/Friend	771	25.6	92	48.4	23	12.4	63	22.7	142	27.2	66	13.2	60	32.1	49	31	29	10.6	29	11.8	33	26.3	185	38.9	
Other (Specify)	19	0.7	4	2.7					1	0.2			9	9.6									5	0.8	
No answer	15	0.5	2	1.7			6	0.9			2	0.5								3	0.5	2	1		
Denominator (All)	6'136		606		407		564		706		553		510		499		561		425		601		704		

Table F22. Did you use lubricant the last time you had sex with another male?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1222																								
No	929	31.4	68	29.1	28	23.4	80	33.8	183	40.9	61	18.4	123	68.9	50	30.7	69	21.8	68	29	38	29.3	161	34.3
Yes	2102	68.6	169	70.9	88	76.6	217	66.2	303	59.1	315	81.6	67	31.1	121	69.3	231	78.2	164	71	92	70.7	335	65.7
Denominator - Excluding those didn't use lubricants	3031		237		116		297		486		376		190		171		300		232		130		496	

Table F23. Did you use lubricant alone without condom the last time you had sex with another male?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pvay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1223																								
No	205	10.6	26	21.7	16	11.9	16	6.8	10	3	14	4.6	11	11.4	27	25	3	1.2	42	24.6	6	9.5	34	12.2
Yes	636	34.2	59	39.9	18	27.1	49	22.1	91	31.2	48	20.2	20	30.2	20	18	73	34.1	109	68.7	44	47.7	105	35.2
I used both condom and lubricant	1261	55.2	84	38.4	54	61	152	71.1	202	65.8	253	75.2	36	58.4	74	57	155	64.7	13	6.7	42	42.8	196	52.6
Denominator - Those used lubricants at last sex	2102		169		88		217		303		315		67		121		231				92			335

Table F24. What kind of lubricant did you use at your last sex with another male?

Multiple Responses Variable - Q1224	All sites				Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
Glycerin	54	2.1	12	5.5	3	2.6					1	0.6	5	1.2	1	0.3			29	11			2	1.4	1	0.1	
Saliva	274	12.6	30	11.9							56	18.9	60	21.1	9	7.7	1	0.2	87	42.4			13	8.1	18	6.9	
Water-based Gel (eg. Aphhaw gel)	2074	98.3	169	100	86	100			216	99.5	301	99.2	307	96	66	99.7	120	99.8	225	97.7			164	100	89	94.8	
Body lotion/cosmetic oils	46	2.6	9	4.2					1	0.5	4	2	10	3.6					13	6.9			4	5.5	5	1.7	
Cooking oil/butter	4	0.2	1	0.7					1	0									2	0.9							

	3	0.2								1	1.1							2	0.4
Other																			
No answer																			
Denominator - Excluding those didn't use lubricants	3031	237	116	297	486	376	190	171	300	232	130							496	

G. Symptoms of STI, alcohol and drug use

Table G1. Have you ever heard of diseases that can be transmitted through sexual intercourse?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1301	1130	19.9	217	33.6	193	50	89	17.2	44	6.5	53	12.3	81	21.4	85	17.2	96	17.5	35	8.6	161	27.5	76	11.6
No																								
Yes	5006	80.1	389	66.4	214	50	475	82.8	662	93.5	500	87.7	429	78.6	414	82.8	465	82.5	390	91.4	440	72.5	628	88.4
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G2. What are signs or symptoms of sexually transmitted infections in men?

Multiple Responses	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable - Q1302																								
Discharge from penis	3525	67.9	262	70	145	66.2	305	56.6	499	75.3	360	69.4	329	65.9	182	43.8	378	80.1	335	83.5	312	68.5	418	64.9
Discharge from rectum	1436	24.5	57	9.6	80	41.3	129	26.9	224	30.4	128	17.5	85	12.2	62	14	237	44.6	163	39	68	8.6	203	29.9
Burning/ painful urination	2216	41.1	211	61.2	126	55	201	38.8	358	54.2	196	32.9	268	48.7	18	2.8	205	44.4	140	34.2	188	39.9	305	45.8
Pain during sex	1186	19.6	69	14	108	48.2	137	28.3	68	11	112	17.2	213	35.6	13	2.6	131	29.5	103	25.8	48	7.1	184	24
Genital/ anal ulcer	2686	52.4	157	47.9	136	55.6	195	38.3	338	51.4	308	64.5	335	68.3	207	49.4	137	29.2	290	73.2	197	47.2	386	59.9
Swelling in groin	1594	30.8	42	10.5	128	61.7	110	22.8	172	24.2	139	24.5	242	43.7	185	44.8	67	11.8	129	31.4	172	43.6	208	30.4
No symptoms	238	3.3	21	4			2	0.4	1	0.2	2	0.3	72	11.1	2	0.6	15	2.4	60	14.2	1	0.1	62	6.5
Other (Specify)	104	1.9	2	0.3	1	0.2	29	6.7	31	3.1	1	0.1	22	7.1	1	0.3			1	0.1	9	3.1	7	0.6
Don't know/remember	1	0					1	0.1																
No answer																								
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601			704

Table G3. Have you been tested for sexually transmitted infections in the past three months?

Variable - Q1303	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4858	81.2	477	77.7	351	86.6	480	84.8	498	72.1	371	72.8	392	85.6	451	90.3	459	83.9	347	82.1	547	90	485	69.6
Yes	1272	18.7	129	22.3	54	13.3	84	15.2	207	27.8	182	27.2	118	14.4	48	9.7	100	15.7	78	17.9	54	10	218	30.3
Don't know	6	0			2	0			1	0							2	0.3					1	0.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G4. In the last 12 months, have you had an abnormal discharge from your penis?

Variable - Q1304	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5725	92.6	563	91.8	398	98.1	522	91.9	661	93.4	534	95.1	495	97.6	457	90.3	490	87.5	401	94.3	560	92.2	644	91.3
Yes	411	7.4	43	8.2	9	1.9	42	8.1	45	6.6	19	4.9	15	2.4	42	9.7	71	12.5	24	5.7	41	7.8	60	8.7
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G5. In the last 12 months, have you had an ulcer or sore on or near your penis?

Variable - Q1305	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5732	93.5	557	92	394	97.2	521	92.6	659	92.9	532	96.6	472	93.8	477	94.4	490	87.5	420	98.7	563	92.9	647	92.6
Yes	404	6.5	49	8	13	2.8	43	7.4	47	7.1	21	3.4	38	6.2	22	5.6	71	12.5	5	1.3	38	7.1	57	7.4
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G6. In the last 12 months, have you had pain on urination?

Variable - Q1306	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5168	83.4	478	82.1	352	87.7	468	83	610	84.2	523	93.4	466	90	436	86.7	352	63.5	418	98.4	494	78.5	571	82.2
Yes	968	16.6	128	17.9	55	12.3	96	17	96	15.8	30	6.6	44	10	63	13.3	209	36.5	7	1.6	107	21.5	133	17.8
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G7. Did you see a healthcare provider because of these problems?

Variable - Q1307	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	678	52.6	101	59.8	45	66.8	97	73.9	45	34.4	25	52.5	35	48.3	32	33.8	149	59.9	1	4.3	91	67.8	57	30.9
Yes	612	47.4	51	40.2	20	33.2	36	26.1	88	65.6	27	47.5	40	51.7	63	66.2	97	40.1	30	95.7	42	32.2	118	69.1
Denominator - Those who have symptoms of STI	1290		152		65		133		133		52		75		95		246		31		133		175	

Table G8. If you received medical treatment, where/how did you go for treatment?

Multiple Responses Variable - Q1308	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Self medication	131	22.5	12	32.6			4	10.1	8	12.6	4	12.1	12	44.8	21	29.1	36	45.2	3	12	5	13.9	26	19.8
Traditional medicine	42	5.7	3	5.2	3	13.3			6	7.5	1	2.1	2	5.6	9	11.2	14	11.5	1	3	1	3.2	2	1.1
Treatment at AIDS/STD Team	64	9.3	5	5.7	5	17.7	7	14.9	8	13.5	3	13.9	5	8.9	3	7	13	11.3	8	23.6	3	4.9	4	3.2
Private hospital/clinic/GP	205	35.2	12	19.7	6	38.1	17	53.4	26	25.7	9	38.5	14	27	22	33.9	38	37.8	11	37.5	29	66.9	21	19.2
Public hospital/clinic	54	8.5	3	10.7	4	17.7	8	22.9	5	5.9	4	10.7	5	6.2	11	18.2	4	2.4	1	4.5	3	9.6	6	4
Clinics at NGOs	165	24.6	21	32.8	2	13.3	5	12	37	38	10	27.6	8	12.3	2	6.3	6	3.9	8	23.6	2	4.8	64	57
Other	1	0.1	1	2.2																				
No answer	1	0.1										1	4											
Denominator - Those who have symptoms of STI and go to health care provider	612		51		20		36		88		27		40		63		97		30		42		118	

Table G9. How long did you have this symptom before seeking treatment?

Variable - Q1309	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
mean (x̄)	1.1		3.3		3.3		1.1		0		1.1		0		0		1.1		0		0		2.2	

Table G10. Have you ever had any alcohol drink?

Variable - q1401	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1440	24.1	85	15	258	69.7	90	14.9	130	17.2	93	17	101	19.6	78	16	103	21.5	121	27.4	108	16.3	273	37.1
Yes	4695	75.9	521	85	149	30.3	474	85.1	575	82.8	460	83	409	80.4	421	84	458	78.5	304	72.6	493	83.7	431	62.9
No answer	1	0							1	0														
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G11. In the last 12 months, how often do you have a drink containing alcohol?

Variable - Q1402	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	87	1.9	8	1.6	5	2.2	7	2.3	10	2	11	2.7			10	2.4	20	3.8			8	1.4	8	1.9
Monthly or less	1393	31.7	158	33.9	72	54.1	103	21.5	205	37.3	165	37.7	39	9	85	19.7	134	26.7	69	20.3	173	37.9	190	44.4
2-4 times a month	1243	24.3	169	28.4	17	7.7	122	23.8	133	21.9	195	38.4	92	21.3	73	17.2	80	18.4	128	41.6	114	18.3	120	28.1
2-3 times a week	882	17.6	102	20	26	17.8	89	17	106	18.3	49	11.9	159	41.2	78	19	63	14.3	81	29	65	12.1	64	12.9
4 or more times a week	1090	24.4	84	16.1	29	18.2	153	35.3	122	20.3	40	9.3	119	28.5	175	41.7	160	36.6	26	9.1	133	30.3	49	12.7
No answer	1	0															1	0.2						
Denominator - Excluding those who never drink alcohol	4696		521		149		474		576		460		409		421		458		304		493		431	

Table G12. In the last 12 months, did you have the experience of get drunk and had sex?

Variable - Q1403	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1931	42.3	247	45.2	92	67.6	216	48.3	217	37.9	180	39.4	92	25	166	42.3	164	37.9	110	35.1	234	44.4	213	47.7
Yes	2765	57.7	274	54.8	57	32.4	258	51.7	359	62.1	280	60.6	317	75	255	57.7	294	62.1	194	64.9	259	55.6	218	52.3
Denominator - Excluding those who never drink alcohol	4696		521		149		474		576		460		409		421		458		304		493		431	

Table G13. In the last 12 months, how often did you use condoms when you were drunk during sex?

Variable - Q1404	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	1040	34.2	82	29.2	32	58.1	89	34.5	141	38.1	191	64.7	142	41.3	97	36.1	88	27.6	65	32.8	56	22.5	57	24.1
Most times	285	9.3	35	11.2	7	12.5	3	1.2	48	13.6	25	8.5	39	15.6	55	21.5	38	12	8	3.7	14	5.6	13	3.9
About half the times	114	4.4	5	1.4	4	8.8	5	1.6	12	3.1	14	5.6	1	1.6	14	6	20	8	28	15.6	2	0.8	9	4.4
Occasionally	516	17.8	80	37.3	1	0	54	20.5	79	21.2	19	6.4	96	26.4	20	8	68	23.9	22	10.9	36	12.5	41	20
Never	807	34.1	72	20.9	13	20.5	107	42.1	79	24.1	31	14.9	37	12.8	69	28.5	80	28.5	71	37	151	58.7	97	47.3
No answer	3	0.2											2	2.3									1	0.3
Denominator - those with experience of get drunk and had sex	2765		274		57		258		359		280		317		255		294		194		259		218	

Table G14. Have you ever use drugs for non-medical purposes in your lifetime?

Variable - Q1405	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5529	89.1	533	88.8	370	93.7	533	96	644	90.8	484	88.2	481	95.3	488	97.9	515	92.7	370	86	483	77.1	628	88.6
Yes	606	10.9	73	11.2	37	6.3	31	4	62	9.2	69	11.8	29	4.7	11	2.1	45	7.1	55	14	118	22.9	76	11.4
No answer	1	0															1	0.1						
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table G15. How did you use drugs for non-medical purposes?

Variable - Q1406	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Injecting method	24	2.6	2	2.5			1	2.1	8	12.6	4	5.4	3	8.1			5	8.9	1	1.5				
Non-injecting methods	555	92.7	62	72.8	37	100	30	97.9	43	71.8	64	94.1	26	91.9	11	100	38	85.1	54	98.5	116	98.4	74	96.1
Both	28	4.7	9	24.7					11	15.6	1	0.5					3	6			2	1.6	2	3.9
Denominator - Excluding those who never use drugs	607		73		37		31		62		69		29		11		46		55		118		76	

Table G16. In the last 12 months, have you injected drugs for non-medical purposes?

Variable - Q1407	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	25	54.5	6	72.4	6	72.4			9	39.6	3	86.1					6	78.4					1	75
Yes	26	45	5	27.6	5	27.6	1	100	9	58.7	2	13.9	3	100	3	100	2	21.6	1	100	2	100	1	25
No answer	1	0.6							1	1.8														
Denominator - those with injecting drugs for non-medical purpose	52		11		11		1		19		5		3		3		8		1		2		2	

Table G17. Have you shared needle during those last 12 months?

Variable - Q1408	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	22	87.7	3	76	3	76	1	100	9	92.8	2	100	2	83.7	2	83.7	1	25	1	100	2	100	1	100
Yes	5	12.3	2	24	2	24			1	7.2			1	16.3	1	16.3	1	75						
Denominator - those with injecting drugs for non-medical purpose	27		5		5		1		10		2		3		3		2		1		2		1	

Table G18. During the last 12 months, do you have sex under the influence of drugs?

Variable - Q1409	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	418	69.5	46	63.5	33	88.8	23	75.9	39	55.6	37	59.4	20	73.5	8	71.5	34	74.7	46	83.1	90	77.6	42	47.8
Yes	189	30.5	27	36.5	4	11.2	8	24.1	23	44.4	32	40.6	9	26.5	3	28.5	12	25.3	9	16.9	28	22.4	34	52.2
Denominator - Excluding those who never use drugs	607		73		37		31		62		69		29		11		46		55		118		76	

Table G19. During the last 12 months, when you were under the influence of drugs and had sex, how often do you use condoms?

Variable - Q1410	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Always	66	27.1	6	18.8			5	39.5	4	9.5	27	77.6	4	48.2			7	60.3	1	13	3	15.7	9	24.6
Most times	11	6.6	6	17.3																	4	17.4	1	1.9
About half the times	9	6.1							2	5.9	1	4							4	43.5			2	11.3
Occasionally	33	17.6	6	31.9	1	30.7			9	39.1	3	12.4	5	51.8			1	9.5	1	8.7	2	7.8	5	17.2
Never	70	42.5	9	32	3	69.3	3	60.5	8	45.5	1	6			3	100	4	30.2	3	34.8	19	59	17	45
Denominator - those who have sex under the influence of drugs in last 12 months	189		27		4		8		23		32		9		3		12		9		28		34	

H. HIV knowledge and testing

Table H1. Have you ever received information on HIV or AIDS?

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
Variable - Q1501																										
No			465	7.6	125	17.2	39	9.6	51	9.8	18	2.6	17	3.1	17	5.6	25	5.4	51	9	14	3.6	72	11.6	36	4.5
Yes			5669	92.3	480	82.7	368	90.4	513	90.2	688	97.4	536	96.9	493	94.4	474	94.6	510	91	411	96.4	529	88.4	667	95.4
No answer			2	0	1	0.1																		1	0.1	
Denominator (All)			6136		606		407		564		706		553		510		499		561		425		601		704	

Table H2. From where/whom did you receive most information about HIV?

Multiple Responses Variable - Q1502	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Health providers (public/private)	3497	56.1	350	70.7	164	39.5	330	58.2	438	62.5	314	56.3	427	81.8	207	42.1	294	53.8	294	69.5	229	39.8	450	62.9
Teacher/school official	1124	19.3	179	32.9	136	38	20	4.1	126	20	211	41.5	63	12.5	23	5.4	84	13.8	54	13.2	168	24.6	60	10.4
Radio/ TV/ Magazine	1350	23.8	182	36.5	26	8.6	50	11.3	65	10.2	177	28.7	181	26.8	59	12.9	153	28.5	49	13.2	295	51.5	113	16.5
IEC materials (pamphlets, posters)	2253	38.3	272	58.6	110	26.4	231	39.8	310	45.2	279	46.1	201	27.3	67	14.8	235	49.8	91	21.9	248	49	209	30.6
Social media/Internet	1373	22.5	98	15.7	46	13.6	29	6.2	220	33.4	282	46.4	144	21.2	15	2.8	196	38	70	16.4	138	25.1	135	20.3
Relatives/Friends	2476	43.6	220	45.4	193	51.8	198	41.2	340	51.5	213	38.3	282	57.8	333	71.3	136	24.6	105	25.4	296	54.9	160	24.5
Peers	1391	22.6	60	16.7	69	19.6	133	20.9	305	43.8	129	17.9	120	23.4	53	10	42	7	2	0.3	87	13.7	391	54.1
Others (Specify):	2	0.1						1	0														1	0.4
No answer	1	0					1	0																
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H3. Can a person get HIV having sex with only one uninfected partner who has no other partners?

Variable - Q1503	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5083	81.3	539	89.6	392	97.4	452	81.3	602	86.3	470	84.1	445	81	324	61.7	491	87.6	416	97.8	448	72.3	504	73.1
Yes	932	16.1	47	7.2	13	2	110	18.5	103	13.3	78	14.4	60	16.7	155	34	68	11.8	9	2.2	119	22	170	22.6
No answer	121	2.5	20	3.2	2	0.7	2	0.2	1	0.5	5	1.6	5	2.3	20	4.3	2	0.6			34	5.7	30	4.4
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H4. Can a person get HIV from mosquito bites?

Variable - Q1504	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4764	74.2	490	81.1	343	83	472	82.9	606	85.6	426	76.4	393	70.2	290	57.5	459	79.2	416	98	293	46.2	576	80.3
Yes	1242	23.2	100	16.7	60	15.7	78	14.7	96	13.8	119	21.5	108	27.2	198	39.8	99	20.3	9	2	278	49.5	97	14.2
No answer	130	2.5	16	2.2	4	1.3	14	2.4	4	0.7	8	2.1	9	2.5	11	2.7	3	0.5			30	4.4	31	5.5
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H5. Can a person reduce the risk of getting HIV by using a condom in the right way every time they have sex?

Variable - Q1505	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	297	4.6	38	5.3	13	2.8	72	11.7	14	2	34	6.5	4	1.2	9	1.9	53	9.7	14	3.4	22	3	24	3.4
Yes	5794	94.5	562	93.8	393	97.2	489	87.4	691	97.8	515	92.3	506	98.8	484	97.1	507	90.1	410	96.4	567	95.2	670	94.7
No answer	45	0.9	6	0.8	1	0	3	0.8	1	0.2	4	1.2			6	1	1	0.3	1	0.2	12	1.8	10	1.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H6. Can a person get HIV by sharing food with someone who is infected?

Variable - Q1506	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5549	89.1	553	91.1	382	95.5	524	93.8	674	95.2	484	85.4	460	86.8	443	88	508	88.9	418	98.5	446	76.1	657	92.3
Yes	508	9.3	44	7.5	24	4.5	35	5.5	31	4.7	66	13.1	46	11.1	50	11.1	52	10.9	7	1.5	126	20.4	27	4
No answer	79	1.6	9	1.4	1	0	5	0.8	1	0.2	3	1.4	4	2.1	6	0.9	1	0.2			29	3.6	20	3.7
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H7. Can a person get HIV by injecting with a needle that was already used by someone else?

Variable - Q1507	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	244	3.8	37	4.4	12	3.5	21	4.2	21	2.7	18	2.2	5	1.4	15	2.9	38	6.9	14	3.5	48	5.3	15	2.8
Yes	5862	95.6	565	95.1	395	96.5	543	95.8	685	97.3	530	96.1	504	98.1	482	96.8	523	93.1	410	96.3	546	94	679	95.5
No answer	30	0.6	4	0.5							5	1.7	1	0.5	2	0.4			1	0.2	7	0.7	10	1.7
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H8. Can a healthy-looking person have HIV?

Variable - Q1508	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1229	23.8	144	20	42	14.4	62	13.4	80	12.7	110	20.3	74	18.7	34	6.1	117	19.9	162	40.5	227	45.1	177	27.1
Yes	4466	68.7	445	77.1	186	49.2	497	85.6	587	80.8	430	76.8	430	79.5	420	84.5	434	77.6	262	59.3	352	51.9	423	56.4
No answer	441	7.5	17	2.9	179	36.4	5	1	39	6.4	13	2.9	6	1.8	45	9.4	10	2.5	1	0.2	22	3	104	16.5
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H9. Answered all HIV knowledge question correctly

Variable - Q1503-Q1508	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	3294	57.7	281	41.4	265	61.3	278	48.5	300	43.5	269	47.9	200	51.4	324	66.8	272	50.8	190	46.7	480	81.4	435	65
Yes	2842	42.3	325	58.6	142	38.7	286	51.5	406	56.5	284	52.1	310	48.6	175	33.2	289	49.2	235	53.3	121	18.6	269	35
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H10. Have you heard that there is a treatment for HIV/Aids?

Variable - Q1509	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1397	22.6	234	34	165	38.8	202	34.6	55	8.6	78	13.1	136	36.5	54	12.3	173	35.3	30	7.2	172	26.1	98	12.7
Yes	4703	76.7	371	65.7	239	60.1	362	65.4	649	91.1	472	86.1	373	63.3	444	87.1	388	64.7	395	92.8	416	72.7	594	85.4
No Answer	36	0.7	1	0.3	3	1			2	0.3	3	0.8	1	0.2	1	0.6					13	1.2	12	2
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H11. Do you know where to go if you wish to receive an HIV test?

Variable - Q1510	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1170	19.6	182	27.9	124	27	152	29.4	37	6.3	72	13.9	70	16.9	94	18.4	112	21.4	30	8.2	198	28.2	99	14
Yes	4964	80.3	424	72.1	283	73	412	70.6	669	93.7	480	86	440	83.1	405	81.6	449	78.6	394	91.5	403	71.8	605	86
No answer	2	0									1	0.1							1	0.2				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H12. Where can you have an HIV test?

Multiple Responses Variable - Q1511	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
HCT at AIDS/STD Team	2162	38.6	239	61	37	12.8	288	67.2	225	33.3	291	53.9	230	36.9	71	14.7	315	73.2	154	36	123	25.7	189	27.4
Public hospital	3283	66.7	294	72.1	112	34.3	325	78.3	406	61.3	392	81.5	214	43	333	82.9	288	61.3	208	51.5	333	82	378	62.6
GP/private clinic/private hospital	1773	35.8	149	25.3	51	19.1	205	46.3	377	56.6	261	50.2	78	17	69	15.1	138	30.2	35	8.7	229	59	181	30.1
Clinics at NGOs	3427	63.7	329	82	237	84.8	183	39.5	578	83.9	241	44.9	410	91.3	211	52.4	302	62.5	293	73.6	114	25.4	529	85.3
Peer outreach workers	131	2.2	7	1.9	4	1.1	14	4.9	6	0.5	8	1	21	3.6	3	0.8	29	4.8			11	2.5	28	3.3
Other (Specify)	3	0.1																			1	0.4	2	0.5
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H13. Where would you prefer to get HIV test?

Multiple Responses Variable - Q1512	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Home visit	1217	16.6	125	15.6			240	36.2	168	27.1	57	10.3	118	19.8	16	3.4	161	23.8	3	0.5	243	25.6	86	8.1
Home self-test	1110	14.4	60	9.4	30	6	211	31.2	161	25.1	82	13.2	149	17.3	20	3.8	109	16.5	21	5.3	221	20.5	46	4
Where I socialize	1480	20	116	15.7	2	0.5	294	46.5	190	31.5	149	24.9	124	13.5	17	3.1	105	16.1	140	30.2	213	19	130	13.7
HCT at AIDS/STD Team	1713	25.7	194	41.7	14	4.6	312	49.7	113	17.2	222	35.6	175	21.1	75	13.8	276	54.4	42	9.5	123	18.8	167	19.3
Public hospital	2256	39.1	269	53.6	142	32.5	183	29.7	130	18	253	48.9	58	8.8	341	69.2	253	43.6	102	25.8	270	51	255	33.3
GP/private clinic/private hospital	1046	18.3	70	9.5	67	16	197	31.9	133	20.8	108	20	20	3.4	82	16.2	66	11.9	3	0.8	166	30.8	134	17.6
Clinics at NGOs	3316	49.5	345	62.9	248	65	174	28.9	490	66.1	202	34.7	484	93.5	251	49	139	26.1	245	57	184	19.5	554	76.8
Peer outreach workers	152	2.4	2	0.8	1	0.7	85	15.5	3	0.2	1	0.3	6	0.9	1	0	4	0.5	245	57	7	0.9	42	4.7
Other (Specify)	6	0.1	1	0.1									1	0							3	0.6	1	0.1
No answer	24	0.3	7	1.1			7	0.7			1	0.2	6	2.6					1	0.3	1	0	1	0.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H14. Ever tested for HIV

Multiple Responses Variable - Q1513	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	2904	51.8	328	55	176	37.6	345	63.8	171	28.5	207	42.5	179	39.5	314	64.2	299	57.2	164	41.1	474	78	247	38.9
Yes	3232	48.2	278	45	231	62.4	219	36.2	535	71.5	346	57.5	331	60.5	185	35.8	262	42.8	261	58.9	127	22	457	61.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table H15. Reasons for never testing for HIV

Multiple Responses Variable - Q1514	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Feel healthy, not sick	1460	47.9	151	34.4	115	67.1	212	61.5	40	23.7	131	67.2	78	32.4	163	50.5	265	90.9	64	37.5	164	38.1	77	28.2
Afraid of learning HIV status	353	12.5	44	12.8	18	10.9	22	6.8	18	9.5	18	7.6	48	32.1	21	7.3	25	6.1	27	16.4	77	17.4	35	13.9
Fear of stigma and discrimination	113	3.4	13	3.7	1	0.4			6	3.1	3	1	4	1.9	3	0.7	39	9.8	3	1.4	26	4.9	15	4.9
Don't think I have HIV	1236	44.7	122	42.7	98	51.1	61	16.6	94	58.2	87	39.4	82	37	172	54.9	38	10.6	65	40.1	289	61.4	128	56.1
I trust my partner	234	8.1	35	10.1	20	9.6	21	4.8	19	11	18	8.5	17	7	5	1.3	29	8.8	6	4.5	22	5.9	42	21.8
No money to test	77	3.1	9	2.5			4	1.3	1	0.5	2	1.6	16	9.1	6	1.7	6	1.6	1	0.5	18	5.3	14	6.4
Do not know a place to test	462	16.5	58	20.5	56	33.3	69	22.2	27	16.7	13	7.3	57	32.6	25	8	10	2.6	7	5.3	89	19.4	51	18.8
Other	84	2.9	3	0.6	4	3.3	20	3.1	9	6.8	6	3.5	17	11.4	5	2.7	1	0.3	3	1.5	7	1.8	9	4.8
no answer	5	0.1	3	0.8					1	0.5	1	0.5												
Denominator - Those never tested for HIV	2904		328		176		345		171		207		179		314		299		164		474		247	

Table H16. Time since last HIV test

Variable - Q1515	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
0-6 months	1290	40.3	131	46.4	113	54.5	77	40.4	179	34.6	174	47.8	136	38.2	59	30	122	47.5	59	21.4	37	24.8	203	48.6
6-12 months	680	20.6	60	24.1	53	22.1	67	27.4	118	22	68	19.1	75	23.2	26	16.5	61	23.2	19	7	41	28.2	92	18.4
>12 months (one year)	1222	37.7	84	28.2	64	23.1	75	32.2	235	42.4	103	32.9	120	38.6	97	49.7	75	28.2	183	71.6	49	47	137	28
Do not remember/know	39	1.4	3	1.3	1	0.2			3	1	1	0.2			3	3.8	3	1.1					25	4.9
Denominator - Those ever tested for HIV	3231		278		231		219		535		346		331		185		261		261		127		457	

Table H17. The last time you went for an HIV test, why did you get the test done?

Multiple Responses Variable - Q1516	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
I wanted to know my HIV status	2525	77.7	230	81	195	86.2	205	89.7	351	67.3	166	40.8	321	95.5	150	82.7	222	86	252	96.7	110	86.8	323	70.6
Urged by spouse/ partner	198	5.4	8	1.9	2	1.6	4	2	41	9.1	73	16.5	10	3	2	0.1	39	14.3	2	0.7	4	3.7	13	2.7
Urged by friend	445	13.5	40	14.6	5	0.6	10	3.5	113	20	51	16.4	25	9.2	18	9	47	17.7	1	0.3	20	17.8	115	22.9
Recommended by doctor	173	5.1	16	5	1	0	4	3	35	6.8	43	13.8	3	1.3	7	3.3	35	11.6			4	3.5	25	4.9
For regular blood testing	735	22	54	12.6	35	15.7	22	13.1	212	39.8	116	33.2	38	6.2	53	29.7	41	13.2	18	6.6	20	16.5	126	28.6
Forced by employer	62	2.3	8	3	2	0.5	1	0.2	25	6.2	6	2.7					5	1.7			6	3.9	9	2.4
Other (specify):	34	1	1	0.3			4	1.4	4	1	7	2.6	4	1.1	2	1.1					2	1.2	10	1.7
Denominator - Those ever tested for HIV	3231		278		231		219		535		346		331		185		261		261		127		457	

Table H18. Source of last HIV test

Variable - Q1517	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
HCT at AIDS/STD Team	442	14.3	13	4.9	6	2.1	94	44.9	32	7.2	99	26	10	2.1	11	4.2	98	44	41	15	31	25.4	7	1.6
Public hospital	447	14.7	20	7.7	10	5.1	36	19.5	36	6.9	125	35.7	14	4.9	54	29.7	40	15.8	46	17.3	33	26.3	33	7.1
GP/private clinic/private hospital	205	6.9	21	6.6	10	2.8	11	4.3	56	13.8	43	12.5			19	10	11	3.8	2	0.7	14	13.7	18	4.3
Clinics at NGOs	2107	63.2	222	80.3	202	89	76	29.2	403	71	79	25.8	303	91.3	97	54.2	110	35.7	172	66.9	47	33	396	86.6
Peer outreach workers	28	0.8	2	0.4	1	0.3	2	2.1	8	1.1			4	1.7	4	1.9	2	0.7			2	1.6	3	0.5
Other	1	0			1	0.5																		
No answer	1	0			1	0.2																		
Denominator - Those ever tested for HIV	3231		278		231		219		535		346		331		185		261		261		127		457	

Table H19. Did you get the results of that last HIV test?

Variable - Q1518	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	52	1.7	2	0.3	2	2.1	8	2.9	11	2	4	0.8	1	0.5	4	2.4	10	3.3	2	0.7	7	4.9	1	0.2
Yes	3178	98.3	276	99.7	229	97.9	211	97.1	524	98	342	99.2	329	99.2	181	97.6	251	96.7	259	99.3	120	95.1	456	99.8
No answer	1	0											1	0.3										
Denominator - Those ever tested for HIV	3231		278		231		219		535		346		331		185		261		261		127		457	

Table H20. The last time you had an HIV test did you share your test result with others?

Variable - Q1519	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	1397	45.7	89	35.2	163	71.6	121	54	209	39.7	66	21.5	155	51.9	85	49.3	87	35.4	188	73.1	33	29.2	201	45.8
Yes	799	24.6	72	19.3	20	11.1	38	19.2	142	30.3	126	31	51	11.9	35	18.8	62	25.2	10	3.4	30	26.3	213	44
No answer	983	29.7	115	45.5	46	17.3	52	26.8	173	30	150	47.5	124	36.3	61	31.9	102	39.5	61	23.6	57	44.5	42	10.2
Denominator - Excluding those didn't get HIV test result	3179		276		229		211		524		342		330		181		251		259		120		456	

Table H21. If yes, with whom did you share your test result?

Multiple Responses Variable - Q1520	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Spouse/regular partner	18	1.1	1	0.4																			17	6.1
Friend	288	15.3	26	10	3	6.9	6	5.7	61	23.3	81	23.3	9	3.1	12	13.3	28	15.7			10	11.2	52	20.2
Family member	340	19.5	37	14.5	11	28.4	23	22.3	45	16.3	78	23.6	10	3.4	18	17.6	30	21.8	2	2.6	20	26.8	66	23.4
Health staff	247	11.7	30	11.1			24	27.3	65	22.5	30	9.3	43	19	1	0.8	22	11.7	8	9.9	4	5.9	20	6.4
Colleague	228	12	19	10.3	4	2.5	12	9.7	39	12.5	85	23.3	2	0.4	9	10	20	15.2			11	16.2	27	10.4
Employer	71	4.3	6	3.2	4	8.8	3	3.4	21	10	10	1.7	3	1.8	1	1.6	7	3.5			4	5.2	12	3.2
Peers	168	9.8			4	3.8	6	7.5	15	5	31	7.3	4	2.1			3	1.5			8	9.3	97	36.5
Denominator - who shared their test results	799		72		20		38		142		126		51		35		62		10		30		213	

Table H22. What was the result of your last HIV test:

Variable - Q1521.	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Negative	2820	88	266	96.7	216	93.9	186	85	449	85.1	333	96.1	293	90.4	163	87.5	234	90.2	238	91.4	108	88	334	76.9
Positive	323	9.1	10	3	13	4	23	10.3	57	9.6	9	3.1	36	9	16	9.3	13	4.5	19	6.9	10	4.7	117	22.3
Indeterminate	7	0.2					2	1.9					1	0.2	1	0.3	1	0.3					2	0.4
No answer	81	2.6	2	0.3	2	2.1	8	2.9	29	5.3	4	0.8	1	0.5	5	3	13	5	4	1.7	9	7.3	4	0.4
Denominator - Those ever tested for HIV	3231		278		231		219		535		346		331		185		261		261		127		457	

Table H23. Has your current/last regular partner ever tested for HIV?

Variable - Q1522	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	2104	60.5	303	89.4	98	55	323	87.8	97	41.3	104	43.7	156	70.5	191	58.1	281	86.5	181	96.4	179	33.2	191	54.9
Yes	447	12.8	17	5.5	15	9.2	39	8.2	82	29.3	42	16.6	27	10.7	44	12.8	30	8.2	3	1.6	42	9.6	106	27.4
Have no regular partner/spouse	146	3.7			3	1.6	2	1.1	34	12.7	2	0.9	27	16.1	1	0.3	10	3.2	4	2	14	0.8	49	11.1
Don't know	610	22.9	19	4.9	75	34.2	12	2.9	44	16.6	72	38.7	6	2.7	99	28.8	4	1.8			257	56.3	22	6.6
No answer	3	0.1	1	0.2													1	0.3			1	0.2		

Table H24. Do you know the HIV status of your current/last partner?

Variable - Q1523	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Yes, he said he is negative	301	23.6	12	35.9	14	23	22	38.2	44	33.3	33	23.3	20	49.9	36	21.6	21	50.8	2	71.4	29	9.5	68	54.2
Yes, he said he is positive	57	4.1			5	7.3	2	2.5	13	8.1	1	0.2	6	24.7	4	4.8	4	14.6	1	28.6	2	0.5	19	11
Have not discussed this with my partner	369	44.2	8	22	34	33.6	16	28.6	7	7.5	32	25.7	1	5.1	77	54.4	9	31.9			174	68.3	11	10.2
Don't know	329	27.7	16	38.6	37	36.2	11	30.6	60	47.8	48	50.7	6	20.3	26	19.2					95	21.7	30	24.6
No answer	5	0.4	2	3.5					2	3.4							1	2.8						

Table H25. If HIV self-test kits were available, how likely is it that you would use one to test yourself for HIV?

Variable - Q1524	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Very unlikely	1762	54.8	240	72.5	180	93.7	157	48.1	36	13.2	125	60.7	147	79.6	207	61.9	61	16.7	117	64.4	295	59.6	197	55.7
Somewhat unlikely	422	11.5	31	8.4	4	0.8	30	9.7	58	25.1	49	19.6	7	3	9	2.5	105	25.2	45	23.2	58	7.9	26	8
Neutral	210	8.9	16	3.9	1	1.6	2	0.5	33	13.2	5	1.5					25	5.7			94	24.4	34	9.9
Somewhat likely	520	14.2	38	11.5	2	1.8	44	10.4	94	36.4	19	7.7	60	16.2	80	23.6	47	15.7	20	9.5	40	7.7	76	20.5
Very likely	376	10.3	12	3.1	3	0.5	143	31.3	31	10.8	21	10	2	1.2	35	11.5	87	36.5	5	2.9	2	0.1	35	5.9
No Answer	19	0.4	3	0.6	1	1.6			5	1.3	1	0.4			4	0.4	1	0.3			4	0.2		

Table H26. What do you think are your chances of getting HIV?

Variable - Q1525	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No chance	1396	44.6	221	67.6	144	69.8	158	41.4	58	25.3	116	56	28	14.6	188	57.5	82	29.1	80	44.7	193	44.5	128	39.3
Small Chance	1117	33.7	69	17.3	37	23.1	100	29.1	102	41.3	88	35.7	100	48.4	91	26.6	202	58.5	74	39.9	179	35.4	75	22.6
Moderate Chance	461	13	40	12.9	4	1.3	81	22.5	47	18.9	9	5.9	60	25.5	35	11.2	32	10.4	17	8.4	79	11.8	57	14.2
Great Chance	316	8.3	7	1.6	5	4.2	37	7	45	13.2	6	2	28	11.5	17	4.3	9	1.7	16	7	38	8.1	108	24
No Answer	19	0.4	3	0.6	1	1.6			5	1.3	1	0.4			4	0.4	1	0.3			4	0.2		

I. HIV care and treatment

Table I1. Have you ever visited a healthcare provider for your HIV infection after receiving HIV positive result?

Variable - Q1603	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	16	7.4					1	4.5	4	7.9					2	9.8					1	8.7	8	11.8
Yes	307	92.6	10	100	13	100	22	95.5	53	92.1	9	100	36	100	14	90.2	13	100	19	100	9	91.3	109	88.2
Denominator - Those with last time HIV Positive Result	323		10		13		23		57		9		36		16		13		19		10		117	

Table I2. Have you ever taken antiretroviral medicine to treat your HIV infection?

Variable - Q1604	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	24	10							6	9.9					2	10.4			1	5.1	1	8.7	14	17.5
Yes	299	90	10	100	13	100	23	100	51	90.1	9	100	36	100	14	89.6	13	100	18	94.9	9	91.3	103	82.5
Denominator - Those with last time HIV Positive Result	323		10		13		23		57		9		36		16		13		19		10		117	

Table I3. Are you currently taking antiretroviral medicine to treat your HIV infection?

Variable - Q1606	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	32	12	1	14.6					7	11.2			1	1.7	3	13.8	1	5.4	1	5.1	2	13.1	16	19.1
Yes	291	88	9	85.4	13	100	23	100	50	88.8	9	100	35	98.3	13	86.2	12	94.6	18	94.9	8	86.9	101	80.9
Denominator - Those with last time HIV Positive Result	323		10		13		23		57		9		36		16		13		19		10		117	

Table I4. Among those on ART, ART provider

Variable - Q1607	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
AIDS/STD Team	98	34.8	2	34.2	5	30.3	11	43	21	47.6	5	68.3	15	50.2	1	6.7	4	51.4	9	51.6	6	63.9	19	18.8
Public hospital/clinic	39	17.1					7	33.8	7	12.7	1	10.9			7	73.6	1	9.6	3	16.1	1	30.1	12	12.8
Private hospital/clinic/GP	2	0.3					1	0.7	1	1.5														
Clinics at NGOs	152	47.8	7	65.8	8	69.7	4	22.6	21	38.1	3	20.7	20	49.8	5	19.7	7	39	6	32.3	1	6	70	68.4
Denominator - Those currently taking ART	291		9		13		23		50		9		35		13	100	12		18		8		101	

Table I5. 3rd 90: Had HIV viral suppression among those on ARV, (tested VL last 12 month)

Variable - Q1608	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Yes (VL suppression)	165	50.9	1	5.1	8	48	8	16.9	39	74.1	6	76.4	26	73.1	4	18.7	7	48	12	67.7	3	37.6	51	49.2
No	38	14.7	1	25.6	4	26	5	29	2	6.2			3	8.8	2	11	2	10.2	4	21.5			15	16.5
Did not test VL	48	18.8	2	7.7	1	26	8	45	7	18.9	1	10.9	1	1.8	2	6.8	3	41.8	2	10.8	1	15	20	17.6

Table J2. In the last 12 months, how often have you lost a job or career opportunity due to your being thang-e/apwint/apone?

Variable - Q1802	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5871	96	550	90.7	403	98.3	541	95.9	671	95.1	526	96.3	501	98.7	490	97.8	512	91.4	421	99	597	99.7	659	93.2
Sometimes	218	3.4	51	8.6	4	1.7	20	4	29	4.1	14	1.8	7	0.9	9	2.2	44	7.4	4	1	3	0.3	33	5.1
Often	29	0.4	5	0.7			2	0.1	1	0.2	10	1.5	1	0.2			4	1			1	0.1	5	0.8
Always	11	0.1					1	0	5	0.7	2	0.3					1	0.2					2	0.3
No answer	7	0.1									1	0.1	1	0.2									5	0.6
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table J3. Afraid of seeking health care because of KP status in last 12 months

Variable - Q1803	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5145	84.9	530	87	396	95.4	497	86	546	77.8	484	89.9	363	68.9	380	76.6	463	84.4	407	96.4	562	93.6	517	73.4
Sometimes	780	12	57	9.8	11	4.6	55	10.8	134	19.3	51	7.5	122	25.7	98	19.2	95	15.2	18	3.6	22	3.9	117	18.4
Often	122	1.9	13	2.1			6	2.4	10	1.3	11	1.6	16	3.4	19	3.8	3	0.4			8	1.2	36	4.4
Always	87	1.2	5	1.1			6	0.8	16	1.6	6	1	9	2	2	0.4					9	1.2	34	3.8
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table J4. In the last 12 months, how often has your family or relatives rejected you because you are a thang-e/apwint/apone?

Variable - Q1804	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5503	90.1	531	89.9	394	95.8	535	94.3	563	78.4	510	92.8	474	95.2	467	93.8	501	90.2	412	96.9	592	98.5	524	73.5
Sometimes	429	6.5	61	7.9	11	3.6	21	4.5	95	15	20	3.4	31	4.1	20	3.7	54	8.8	13	3.1	6	1	97	13.7
Often	95	1.4	12	1.6			4	0.8	21	2.8	11	1.4	5	0.7	6	1.8	3	0.7			2	0.3	31	4.1
Always	107	2	2	0.6	2	0.7	4	0.4	27	3.8	11	2.4			6	0.8	2	0.3			1	0.1	52	8.6
No answer	2	0									1	0.1					1	0.1						
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table J5. Experienced physical violence because of KP status in the last 12 months

Variable - Q1805	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5596	92	540	91.1	399	97.4	530	94	601	85.9	508	94.1	479	95.7	478	96.4	499	89	407	96.1	594	99.2	561	78.3
Sometimes	454	6.7	50	7.2	8	2.6	30	5.3	100	13.6	30	3.6	30	4.2	17	3	60	10.7	16	3.6	5	0.4	108	16.4
Often	69	1	16	1.7			3	0.2	4	0.5	9	1.5	1	0.1	3	0.6	2	0.3	2	0.3	2	0.4	27	4.1
Always	15	0.3					1	0.5	1	0	4	0.4			1	0.1							8	1.2
no answer	2	0									2	0.3												
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table J6. Forced to have sex in the last 12 months

Variable - Q1806	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5400	88.4	508	86.3	395	96.5	502	89.6	561	77.2	497	92.1	458	93.1	484	97.9	473	84.2	400	94.2	568	93.9	554	76.2
Sometimes	631	10.1	78	11.5	12	3.5	60	9.9	122	19.9	39	6	51	6.8	14	2	74	13	25	5.8	27	5	129	20.7
Often	93	1.4	15	1.7			2	0.5	23	2.8	15	1.8	1	0.1	1	0.1	12	2.6			5	0.8	19	2.9
Always	10	0.1	4	0.6							1	0.1					2	0.1			1	0.3	2	0.2
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table J7. Harassed by police or other authorities because of KP status in last 12 months

Variable - Q1807	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Never	5312	89.1	470	81	403	98.9	542	96.2	524	75.1	503	93.9	349	66	486	97.6	489	88.5	412	97.5	582	97.2	552	80.5
Sometimes	598	8.1	92	14.3	4	1.1	21	3.6	166	23.1	37	4.1	84	17.5	9	1.4	68	10.8	10	1.9	11	1.8	96	12.2
Often	142	1.9	23	2.7			1	0.2	11	1.2	10	1.9	43	9.1	4	1.1	4	0.7	3	0.6	6	0.8	37	4.6
Always	82	1	21	2					5	0.5	1	0.1	34	7.4							2	0.2	19	2.8
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

K. HEP B and HEP C

Table K1. Have you ever been tested for Hepatitis B?

Variable - Q1901	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4982	82.0	531	86.7	379	91.9	515	90.8	486	68.4	302	57.7	412	84.6	430	85.7	483	88.3	404	95.3	546	87.9	494	70.9
Yes	1152	18.0	75	13.3	28	8.1	49	9.2	220	31.6	249	41.8	98	15.4	69	14.3	78	11.7	21	4.7	55	12.1	210	29.1
Don't know	2	0.0																						
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table K2. When did you have your most recent Hepatitis B test?

Variable - Q1902	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Less than 12 months ago	495	44.4	34	50.8	14	71.2	20	47.3	93	44.3	94	33.8	25	21.5	23	36.8	46	60.5	9	41.3	21	37.1	116	53.8
More than 12 months and less than five years ago	510	41.1	24	24.8	7	10.1	24	44.3	97	45.5	141	58.1	64	67.6	32	36.5	26	30.2	9	45.7	21	37.3	65	32
More than five years ago	139	13.4	17	24.4	7	18.7	5	8.5	30	10.2	15	7.9	9	11	14	26.7	5	7.8	3	13	13	25.6	21	10
Don't know	10	1									1	0.1					1	1.5					8	4.2
Denominator - Excluding those never tested for Hepatitis B	1154		75		28		49		220		251		98		69		78		21		55		210	

Table K3. What was the result of your last Hepatitis B test?

Variable - Q1903	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Negative	1067	90.1	67	85.5	25	88.6	44	83.2	202	92.2	244	97	95	98.3	68	96	69	86	20	93.5	46	81.2	187	87.7
Positive	75	7.8	7	10.1	3	11.4	5	16.8	16	6.6	6	2.7	3	1.7	1	4	9	14			6	12.2	19	9.3
Don't know	11	1.9	1	4.4					2	1.2	1	0.3									3	6.6	4	3.1
No answer	1	0.1																	1	6.5				
Denominator - Excluding those never tested for Hepatitis B	1154		75		28		49		220		251		98		69		78		21		55		210	

Table K4. Have you ever taken medicine to treat your Hepatitis B infection?

Variable - Q1904	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	34	41.4	4	49.7			1	32.4	8	44.2	2	13.8			4	32.4					5	52.9	10	51.4
Yes	52	58	4	50.3	3	100	4	67.6	10	55.8	5	86.2	3	100	1	100	4	59.6	1	100	4	47.1	13	48.6
Don't know	1	0.6															1	8						
Denominator - Excluding those tested "Negative" for Hepatitis B	87		8		3		5		18		7		3		1		9		1		9		23	

Table K5. Have you ever been tested for Hepatitis C?

Variable - Q1905	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5097	83.9	556	91.6	385	93.6	535	94.3	511	71.7	309	58.9	411	84.2	436	87.6	483	88.2	407	96.3	549	88.8	515	73.4
Yes	1037	16.1	50	8.4	22	6.4	29	5.7	194	28.2	243	41.1	99	15.8	63	12.4	78	11.8	18	3.7	52	11.2	189	26.6
Don't know	2	0							1	0.2	1	0												
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table K6. When did you have your most recent Hepatitis C test?

Variable - Q1906	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Less than 12 months ago	448	44.7	24	55.9	10	63.5	13	53.3	84	45.8	89	33.3	25	20.4	21	35.2	50	66.5	6	33.1	19	39	107	54.2
More than 12 months and less than five years ago	471	42.2	17	23	5	12.7	13	38.9	85	44.1	141	59.7	65	68.9	31	41.8	24	27.3	9	50.3	23	40.6	58	31.4
More than five years ago	112	12.1	9	21.1	7	23.7	3	7.7	25	9.6	13	7	9	10.7	11	22.9	4	6.3	3	16.6	10	20.4	18	10.4
Don't know	8	1							1	0.5	1	0.1											6	4
No answer																								
Denominator - Excluding those never tested for Hepatitis C	1039		50		22		29		195		244		99		63		78		18		52		189	

Table K7. What was the result of your last Hepatitis C test?

Variable - Q1907	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Negative	1002	96.5	49	98.6	20	95.8	29	100	184	95.7	241	99.6	96	94.7	62	95.4	77	99.9	17	91.7	49	92.8	178	95.3
Positive	28	2.2	1	1.4	2	4.2			9	2.9	1	0	3	5.3	1	4.6	1	0.1					10	4.3
Don't know	8	1.2							2	1.3	2	0.4									3	7.2	1	0.4
No answer	1	0.1																	1	8.3				
Denominator - Excluding those never tested for Hepatitis C	1039		50		22		29		195		244		99		63		78		18		52		189	

Table K8. Have you ever taken medicine to treat your Hepatitis C infection?

Variable - Q1908	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	15	55.4							6	53.5	1	77.9	1	55.6					1	100	3	100	3	37.7
Yes	19	37.6	1	100	2	100	2	100	3	15.3	1	1.6	2	44.4	1	100	1	100					8	62.3
Don't know	3	7							2	31.3	1	20.5												
Denominator - Excluding those tested "Negative" for Hepatitis C	37		1		2		2		11		3		3		1		1		1		3		11	

L. Exposure to intervention, and HIV, HBV, HCV, syphilis Blood Testing results

Table L1. Visit a ___ during 2019

Variable - Q2001	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	4880	81.3	517	84.7	355	86.9	492	86.8	474	69.4	414	77	382	80.3	436	86.9	467	84.7	332	79.9	546	89.8	465	69.2
Yes	1256	18.7	89	15.3	52	13.1	72	13.2	232	30.6	139	23	128	19.7	63	13.1	94	15.3	93	20.1	55	10.2	239	30.8
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table L2. Did you receive an HIV test from ___ in 2019?

Variable - Q2002	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	5439	89.5	537	87.2	364	89.4	523	91.3	592	84.5	469	84.4	435	87.8	462	92.6	501	90.5	399	94.5	586	98	571	81
Yes	696	10.5	69	12.8	43	10.6	41	8.7	114	15.5	84	15.6	75	12.2	37	7.4	60	9.5	26	5.5	15	2	132	18.7

[illegible]

Table L7. HIV test Result shared with participant

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable -																								
No	144	2.1						19	3.4	2	0.2	6	0.8		1	0.3			2	0.5	6	0.8	108	11.6
Yes	5992	97.9	606	100	407	100	545	96.6	704	99.8	547	99.2	510	100	498	99.7	561	100	423	99.5	595	99.2	596	88.4
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table L8. Syphilis test result (ICT)

	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Variable -																						
Non reactive	5196	85.6	559	92.8	380	94.2	514	92.4	521	74.7	507	91.2	457	91.9	460	93.5	488	88.8	369	88.4	541	90.9
Reactive	940	14.4	47	7.2	27	5.8	50	7.6	185	25.3	46	8.8	53	8.1	39	6.5	73	11.2	56	11.6	60	9.1
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601	

Table L9. Syphilis test Result shared with participant

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheim		Pyay		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	16	0.2	2	0.3							7	1.2	2	0.3			1	0.1	3	0.7			1	0.1
Yes	6120	99.8	604	99.7	407	100	564	100	699	98.8	551	99.7	510	100	499	100	560	99.9	422	99.3	601	100	703	99.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table L10. Hepatitis B Ag test result

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Negative	5802	94.5	574	95.7	384	93.7	525	93	646	90.8	530	96.1	488	95.2	481	96	540	96	415	97.4	567	94.4
Positive	334	5.5	32	4.3	23	6.3	39	7	60	9.2	23	3.9	22	4.8	18	4	21	4	10	2.6	34	5.6
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601	

Table L11. Hepatitis B Ag test Result shared with participant

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	11	0.1	1	0.1							1	0.1							1	0.2	1	0.1	7	0.8
Yes	6125	99.9	605	99.9	407	100	564	100	706	100	552	99.9	510	100	499	100	561	100	424	99.8	600	99.9	697	99.2
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table L12. Hepatitis C Ab screening test result

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Negative	6042	98.6	602	99.3	406	100	564	100	661	94	547	98.8	504	99.3	494	98.5	554	98.5	420	98.9	598	99.4	692	98.5
Positive	90	1.3	2	0.2	1	0			45	6	5	1	6	0.7	5	1.5	7	1.5	4	0.9	3	0.6	12	1.5
Indeterminate	4	0.1	2	0.5							1	0.2							1	0.2				
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

Table L13. Hepatitis C Ab screening test Result shared with participant

Variable -	All sites		Bago		Dawei		Magway		Mandalay		Meiktila		Monywa		Pakkoku		Patheingyi		Pyaw		Taunggyi		Yangon	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
No	14	0.2	3	0.5					4	0.6													7	1.1
Yes	6122	99.8	603	99.5	407	100	564	100	702	99.4	553	100	510	100	499	100	561	100	425	100	601	100	697	98.9
Denominator (All)	6136		606		407		564		706		553		510		499		561		425		601		704	

7.4 Transgender Sub-group Analysis

Table 1: Demographics and sexual identity

Table 1.1. How respondent is dressed

Variable ID - Q103	n	%	95% LCI,	95% UCI
Man	298	50.9	37	64.9
Woman	287	47.8	33.9	61.7
Unclear	7	1.3	0	3.5
Denominator - All	592			

Table 1.2. Age

Variable ID - Q201	n	%	95% LCI,	95% UCI
15-19	78	15.7	10.7	20.7
20-24	173	30	21.4	38.5
25-29	131	19.9	16.7	23.1
30-34	76	12.4	9.8	15
35-39	54	9.6	5.5	13.7
≥40	80	12.5	7.7	17.3
Denominator - All	592			

Table 1.3. How long have been living in this township?

	Mean	Min	Max	Median
Mean, min, max, median, in year	22.2	0.1	68	21.8

Table 1.4. Reasons for move

Variable ID - Q206	n	%	95% LCI,	95% UCI
For work	74	57.6	50.3	64.9
For education/studies	8	5.9	0	11.7
For health reasons	0			
Family moved	52	39.7	27.1	52.2
Moved with partner	7	2.9	1.2	4.6
Separated from family due to disaster/conflict/family conflict	5	4.3	0	9.5
Stigma and discrimination	7	5.4	0	11.9
Other				
Denominator - Those who moved in to survey townships	153			

Table 1.5. Can you read and/or write in Myanmar?

Variable ID - Q207	n	%	95% LCI,	95% UCI
Cannot read nor write	24	4.8	0	11.3
Can read only	5	1.1	0.1	2.1
Can write only	9	2.5	0	5.2
Can read and write	554	91.6	83.8	99.5
Denominator - All	592			

Table 1.6. What is the highest level of education you have completed?

Variable ID - Q208	n	%	95% LCI,	95% UCI
No formal education	6	1	0	1.9
Monastic education	8	1.9	0	4.1
1st-4th standard	80	13.7	7.4	20
5th-8th standard	166	28.3	24.6	32
9-10 th standard	223	37.1	32	42.2
Vocational training school	3	0.4	0	0.8
University/College	106	17.6	13.8	21.4
Denominator - All	592			

Table 1.7. Are you currently a student?

Variable ID - Q209	n	%	95% LCI,	95% UCI
No	550	92.8	89.2	96.3
Yes	36	7.2	3.7	10.8
Denominator - Excluding those with "No formal education"	586			

Table 1.8. Income sources during last 12 months (Multiple Responses)

Variable ID - Q210	n	%	95% LCI,	95% UCI
Salaried (Public/private sector)	111	17.3	8.9	25.7
Artist (e.g. painter, photographer, actor, dancer)	26	4.2	2.5	6
Sex worker	44	5.2	0.9	9.6
Fashion designer	19	3.1	1.3	5
Decorator/Interior designer/Florist	13	1.8	0	3.8
Farming/agriculture	5	0.6	0	1.4
Manual/unskilled laborer	78	13	4.2	21.7
Driver/transport worker	5	0.7	0.1	1.3
Trade/business/shop	55	9.8	5.7	13.9
Beauty salon	295	48.6	37.9	59.3
Natgadaw	87	13.1	4.2	22
Hospitality Industry (Hotel/restaurant)	10	1.6	0	4.1
Unemployed/Dependent on others	21	4.3	1.3	7.2
Other (Specify)	1	0.1	0	0.2
Denominator - All	592			

Table 1.9. Main income sources during last 12 months

Variable ID - Q211	n	%	95% LCI,	95% UCI
Salaried (Public/private sector)	95	15.8	8.1	23.5
Artist (e.g. painter, photographer, actor, dancer)	13	2.5	1.1	4
Sex worker	20	2.9	0	6.7
Fashion designer	15	2.6	1.3	3.9
Decorator/Interior designer/Florist	4	0.6	0	1.2
Farming/agriculture	3	0.4	0	0.9
Manual/unskilled laborer	65	10.3	1	19.7

Driver/transport worker	5	0.7	0.1	1.3
Trade/business/shop	42	7.9	5	10.8
Beauty salon	239	41.7	30.9	52.5
Natgadaw	64	9.5	0.8	18.1
Hospitality Industry (Hotel/restaurant)	6	1	0	2.2
Dependent on others	20	4.1	1.3	7
Other	1	0.1	0	0.2
Denominator - All	592			

Table 1.10. What is your current marital status

Variable ID - Q213	n	%	95% LCI,	95% UCI
Married to a woman	12	2	0.3	3.7
Ever married, now divorced/separated/widowed	12	2.6	0	5.7
Never married	567	95.2	91.5	99
No answer	1	0.1	0	0.4
Denominator - All	592			

Table 1.11. With whom do you currently live?

Variable ID - Q214	n	%	95% LCI,	95% UCI
Live with spouse	7	1.2	0	2.6
Live with male partner	102	16.8	10.3	23.3
Live with other female partner (not wife)	1	0	0	0.1
Live with parents/ relatives	342	56	43	69
Live with friends	90	17.7	10.1	25.2
Live with children	2	0.7	0	1.8
Live alone	45	7.3	4.2	10.5
Other (Specify)	3	0.3	0	0.9
Denominator - All	592			

Table 1.12. What kind of sexual attraction do you have?

Variable ID - Q302	n	%	95% LCI,	95% UCI
Only attracted to males	562	94	90.6	97.4
Mostly attracted to males	18	4.1	0.6	7.7
Equally attracted to both males and females	9	1.4	0	3.1
Mostly attracted to females				
Only attracted to females	2	0.5	0	1.1
Denominator - All	592			

Table 1.13. In which group do you identify yourself?

Variable ID - Q303	n	%	95% LCI,	95% UCI
Apwint (Open)	478	80.5	70.7	90.3
Apone (Hidden)	112	19.1	9.2	29.1
Tha Nge	2	0.4	0	0.9
Denominator - All	592			

Table 1.14. Who knows you are having Sex with Men

Variable ID - Q304	n	%	95% LCI,	95% UCI
<i>a. Close Friends</i>				
None	29	4.7	1.5	7.8
Some	160	31.2	25.6	36.7
Most	117	20	15.4	24.6
All	286	44.2	40.4	48
<i>b. Family</i>				
None	229	42.3	35.4	49.3
Some	138	23.7	19.1	28.2
Most	60	10.6	5.9	15.3
All	165	23.4	15.3	31.5
<i>c. relatives</i>				
None	246	45.4	38.4	52.4
Some	147	24.7	19.3	30.2
Most	60	9.3	4.9	13.7
All	139	20.5	13.6	27.5
<i>d. male friends</i>				
None	67	13.1	7.4	18.8
Some	162	30.3	23.5	37.1
Most	112	18.7	11.5	26
All	251	37.9	32.8	42.9
<i>e. female friends</i>				
None	230	40.6	34.8	46.4
Some	163	27.5	22.2	32.7
Most	75	13.6	8.5	18.7
All	124	18.3	10.9	25.7
<i>f. employer</i>				
None	182	34.2	25.8	42.6
Some	97	17.9	11.8	24
Most	54	9.4	3.2	15.6
All	192	26.6	16.5	36.7
N/A	67	11.8	1.2	22.4
<i>g. co-workers</i>				
None	72	14.9	9.7	20.2
Some	124	23.9	20.7	27.1
Most	87	16.6	8	25.1
All	305	44	35.4	52.5
N/A	4	0.6	0	1.4
Denominator - All	592			

Table 2: General sexual history**Table 2.1. How old were you when you had vaginal or anal sex for the first time?**

Variable ID - Q401	Mean	Min	Max	Median
mean, min, max, median	16	8	30	15.3

Table 2.2. Was your first sexual partner male or female

Variable ID - Q402	n	%	95% LCI,	95% UCI
Male	571	96.8	92.7	100
Female	20	3.1	0	7.2
Don't know/remember	1	0.1	0	0.4
Denominator - All	592			

Table 2.3. How old were you the first time you had anal sex with a male partner?

Variable ID - Q403	Mean	Min	Max	Median
mean, min, max, median	16.1	8	33	15.3

Table 2.4. In what position have you ever had anal sex?

Variable ID - Q404	n	%	95% LCI,	95% UCI
Top (insertive)	43	8.7	0	17.4
Bottom (receptive)	467	78	64.3	91.6
Both top and bottom	82	13.4	6	20.8
Denominator - All	592			

Table 2.5. In the last 12 months, in what position do you usually have anal sex?

Variable ID - Q405	n	%	95% LCI,	95% UCI
Top (insertive)	45	8.7	0	17.4
Bottom (receptive)	476	80	66.4	93.6
Both top and bottom	71	11.3	4.5	18.2
Denominator - All	592			

Table 2.6. In the last 12 months, with how many male partners did you have anal sex

Variable ID - Q406	Mean	Min	Max	Median
mean, min, max, median	31	1	900	8.4

Table 2.7. In the last 1 month, with how many male partners did you have anal sex?

Variable ID - Q407	Mean	Min	Max	Median
mean, min, max, median	4.6	0	60	1.3

Table 2.8. In the last week, how many anal sex acts with male partners have you had?

Variable ID - Q408	Mean	Min	Max	Median
mean, min, max, median	3.1	0	90	1.2

Table 2.9. In the last 1 month, with what frequency did you use condoms during anal sex with male partners?

Variable ID - Q409	n	%	95% LCI,	95% UCI
Always	227	38.5	31	46
Most times	76	12.2	6.8	17.6
About half the times	43	8.5	3.3	13.7
Occasionally	99	18.8	12.3	25.3
Never	100	22	12.8	31.3
Denominator - Those who had anal sex with male partners in last 1 month	545			

Table 2.10. The last time you had anal sex, was a condom used?

Variable ID -	n	%	95% LCI,	95% UCI
No	242	44.1	35.3	52.9
Yes	350	55.9	47.1	64.7
No answer				
Denominator - All	592			

Table 2.11. If a condom was not used, why? (Multiple Responses)

Variable ID - Q411	n	%	95% LCI,	95% UCI
Not easily available	83	36.5	32.6	40.5
Expensive	0			
Was under the influence of alcohol/drug	7	2.2	0	5.4
Sex partner doesn't like to use it	39	14.4	5.9	22.9
I don't like to use it	47	18.6	13.9	23.2
Both don't like to use it	75	30.1	19.3	40.9
Don't think it is necessary	31	14	2.2	25.8
Don't think of it/forgot	27	13.7	0	28.1
I know this partner well	54	26.1	11.9	40.3
Other	3	1.1	0	2.4
Denominator - Those who didn't use condom at their last sex	242			

Table 2.12. Have you ever had group sex (anal sex)?

Variable ID - Q412	n	%	95% LCI,	95% UCI
No	479	82.9	78.3	87.6
Yes	113	17.1	12.4	21.7
Denominator - All	592			

Table 2.13. In a situation of group sex, how do you usually use condom?

Variable ID - Q413	n	%	95% LCI,	95% UCI
Not used any condom	12	11.5	7.2	15.8
Used one condom with multiple partners	4	3.2	0	6.9
Used condom with some partners only	21	16.6	8.1	25.1
Changed condom with every partner	76	68.7	60.6	76.8
Denominator - Those ever had group sex (anal sex)	113			

Table 2.14. What kind of social media/applications do you use? (Multiple Responses)

Variable ID - Q414	n	%	95% LCI,	95% UCI
Not using any social media/applications	89	14.5	10.3	18.6
Facebook/Messenger	498	84.9	80.6	89.1
Grindr	29	3.5	0.4	6.6
Blued	59	7.7	2.4	13
Instagram	43	7	4.2	9.8
Twitter	81	13.7	8.8	18.6
Beetalk	23	2.8	1	4.6
WeChat	23	3.6	1.3	5.9
Viber	187	30.7	20.6	40.8
Line	18	2.7	0	6.3
WhatsApp	3	0.5	0	1
Others	7	1	0	2.3
No answer	1	0.2	0	0.5
Denominator - All	592			

Table 2.15. What do you use these social media/applications for?

Variable ID - Q415	n	%	95% LCI,	95% UCI
To find sex partners	212	38.1	27.9	48.3
To find clients	103	20.5	16.9	24
To learn about HIV	96	15.2	9.9	20.6
To stay in touch with friends	446	88.9	84.9	92.9
Other	37	6.7	0.8	12.5
No answer	1	0.2	0	0.6

Table 2.16. With what type of partners have you ever had anal or vaginal sex

Variable ID - Q416	n	%	95% LCI,	95% UCI
Regular male partner	398	67	55.6	78.4
Casual male partner	435	67.8	62.9	72.7
Commercial male partner 1	80	10.5	3.2	17.7
Commercial male partner 2	158	23.2	9.2	37.2
Regular Female partner	22	3.7	0	8.6
Casual female partner	10	1.4	0	3.9
Commercial female partner 1	7	1.2	0	3.5
Commercial female partner 2	5	0.7	0	1.8
Denominator - All	592			

Table 3: Regular, casual and commercial male partners**Regular partners****Table 3.1. What is your usual sexual position with your regular male partner?**

Variable ID - Q501	n	%	95% LCI,	95% UCI
Top	34	10.5	1.5	19.5
Bottom	329	80.3	67.9	92.8
Both top and bottom	35	9.1	2.2	16.1
Denominator - Those with regular male partners	398			

Table 3.2. In the last 12 months, how many regular male partners have you had?

Variable ID - Q502	Mean	Min	Max	Median
mean,min, max, median	3.7	0	240	0.9

Table 3.3. In the last one month, how many regular male partners have you had anal sex?

Variable ID - Q503	Mean	Min	Max	Median
mean,min, max, median	1.3	0	20	0.5

Table 3.4. In the last one month, with what frequency did you use a condom with regular male partner(s)?

Variable ID - Q504	n	%	95% LCI,	95% UCI
Always	122	35	25.6	44.4
Most times	27	8	4	12
About half the time	10	4.4	0.9	7.8
Occasionally	53	15.6	7.8	23.3
Never	121	37.1	23.5	50.7
Denominator - Those who had sex with regular male partner in last one month	333			

Table 3.5. In the last week, how many times have you had anal sex with your regular male partner?

Variable ID - Q505	Mean	Min	Max	Median
mean,min, max, median	1.9	0	20	0.9

Table 3.6. Used a condom at last sex with regular male partner among those who had a regular sex partner

Variable ID - Q506	n	%	95% LCI,	95% UCI
no	205	55.1	43.4	66.8
yes	192	44.9	33.2	56.6
Denominator - Those with regular male partners	398			

Table 3.7. When you did not use a condom last time you had anal sex with your regular male partner, what were the reasons for not using a condom? (Multiple Responses)

Variable ID - Q507	n	%	95% LCI,	95% UCI
Not easily available	39	22.5	16.9	28.1
Expensive	3	1.5	0	4
Was under the influence of alcohol/drug	4	1.8	0	4.4
Sex partner doesn't like to use it	35	18.6	6.9	30.3
I don't like to use it	32	18.9	11.7	26.1

Both don't like to use it	98	46.3	29.1	63.6
Don't think it is necessary	36	19	5.7	32.4
Don't think of it/forgot	14	9.4	0	19.6
I know this partner well	68	35.2	19.4	51.1
Other(Specify)	1	0.5	0	1.5
Denominator - Those who didn't use a condom at last sex with regular male partner	205			

Table 3.8. What is your usual sexual position with your casual male partner?

Variable ID - Q601	n	%	95% LCI,	95% UCI
Top	34	7.5	0	17.5
Bottom	345	80.1	66.8	93.5
Both top and bottom	56	12.4	6	18.8
Denominator - Those with casual male partners	435			

Table 3.9. In the last 12 months, how many casual male partners have you had?

Variable ID - Q602	Mean	Min	Max	Median
mean,min, max, median	29.5	0	700	9.7

Table 3.10. In the last one month, how many casual male partners have you had anal sex?

Variable ID - Q603	Mean	Min	Max	Median
mean,min, max, median	3.9	0	60	1.6

Table 3.11. In the last one month, with what frequency did you use a condom with casual male partner(s)?

Variable ID - Q604	n	%	95% LCI,	95% UCI
Always	178	46.6	38	55.2
Most times	50	15.2	8.3	22.2
About half the time	33	10.5	0.9	20
Occasionally	60	18.4	11.6	25.2
Never	32	9.3	6.1	12.4
Denominator - Those who had sex with casual male partner in last one month	353			

Table 3.12. In the last week, how many times have you had anal sex with your casual male partner?

Variable ID - Q605	Mean	Min	Max	Median
mean,min, max, median	2.3	0	30	0.9

Table 3.13. Used a condom at last sex with casual male partner among those who had a regular sex partner

Variable ID - Q606	n	%	95% LCI,	95% UCI
no	112	17.8	13.5	22.1
yes	323	50	41.2	58.7
no answer	157	32.2	23.7	40.7
Denominator - All	592			

Table 3.14. When you did not use a condom last time you had anal sex with your casual male partner, what were the reasons for not using a condom? (Multiple Responses)

Variable ID - Q607	n	%	95% LCI,	95% UCI
Not easily available	52	50.2	43.7	56.7
Expensive	1	0.9	0	3
Was under the influence of alcohol/drug	6	5.4	0	12.1
Sex partner doesn't like to use it	16	13	5.7	20.2
I don't like to use it	30	25.2	17.6	32.7
Both don't like to use it	20	17.1	9.8	24.5
Don't think it is necessary	15	14.5	4.4	24.5
Don't think of it/forgot	11	11.1	0	23.2
I know this partner well	9	8.2	1.3	15.2
Other (Specify)	2	0.4	0	0.8
Denominator - Those who didn't use condom during last sex with casual male partner	112			

Table 3.15. In the last 12 months, with how many men whom you paid money or gifts in exchange for sex have you had anal sex?

Variable ID - Q701	Mean	Min	Max	Median
mean, min, max, median	8.9	0	124	3.1

Table 3.16. In the last one month, with how many men whom you paid money or gifts in exchange for sex have you had anal sex?

Variable ID - Q702	Mean	Min	Max	Median
mean, min, max, median	1.9	0	12	0.8

Table 3.17. In the last one month, with what frequency did you use condoms during anal sex with men whom you paid money or gifts for sex?

Variable ID - Q703	n	%	95% LCI,	95% UCI
Always	30	46.8	41	52.7
Most times	9	19.3	7.9	30.7
About half the time	6	9.9	1.2	18.6
Occasionally	5	7.3	0	17.7
Never	9	16.7	9.4	23.9
Denominator - Those who had sex with commercial male partner 1 in last one month	59			

Table 3.18. In the last week, how many times have you had sex with a man whom you paid money or gifts in exchange for anal sex?

Variable ID - Q704	Mean	Min	Max	Median
mean, min, max, median	1.6	0	8	0.9

Table 3.19. The last time you paid with money or gifts for anal sex with a man, was a condom used?

Variable ID - Q705	n	%	95% LCI,	95% UCI
No	23	26.8	13.2	40.5
Yes	56	68	56.6	79.4
No answer	1	5.2	0	14
Denominator - Those with commercial male partner 1	80			

Table 3.20. If a condom was not used the last time you paid money or gifts for anal sex with a man, what were the reasons for not using a condom? (Multiple Responses)

Variable ID - Q706	n	%	95% LCI,	95% UCI
Not easily available	7	32.8	6.8	58.9
Expensive	0			
Was under the influence of alcohol/drug	1	3.2	0	13.5
Sex partner doesn't like to use it	6	20.3	9.1	31.5
I don't like to use it	7	25.8	11.9	39.7
Both don't like to use it	3	4.7	2.9	6.5
Don't think it is necessary	5	15.1	0	32.1
Don't think of it/forgot	4	14.6	8.2	20.9
I know this partner well	1	16.1	0	47.7
No answer				
Denominator - Those who didn't use condom at last sex with commercial male partner 1	23			

Table 3.21. In the last 12 months, how many men gave you money or gifts in exchange for anal sex?

Variable ID - Q707	Mean	Min	Max	Median
mean, min, max, median	40.4	0	900	7.8

Table 3.22. In the last one month, how many men gave you money or gifts in exchange for anal sex?

Variable ID - Q708	Mean	Min	Max	Median
mean, min, max, median	6	0	60	1.3

Table 3.23. In the last one month, with what frequency were condoms used during anal sex with men who gave you money or gifts in exchange for sex?

Variable ID - Q709	n	%	95% LCI,	95% UCI
Always	60	50.7	39.4	62.1
Most times	16	16.6	13.4	19.8
About half the times	10	9.4	3.9	15
Occasionally	18	18	6.5	29.4
Never	5	5.3	0.3	10.3
Denominator - Those who had sex with commercial male partner 2 in last one month	109			

Table 3.24. In the last week, how many times have you had sex with a man who gave you money or gifts in exchange for anal sex

Variable ID - Q710	Mean	Min	Max	Median
mean, min, max, median	4.7	0	40	1.8

Table 3.25. Was a condom used the last time you had anal sex with a man who gave you money or gifts in exchange for anal sex?

Variable ID - Q711	n	%	95% LCI,	95% UCI
No	31	21.4	15.7	27.2
Yes	126	76.2	71.1	81.4
No answer	1	2.3	0	6.1
Denominator - Those with commercial male partner 2	158			

Table 3.26. What was the reason for not using a condom at last anal sex with a man who gave you money or gifts in exchange for anal sex? (Multiple Responses)

Variable ID - Q712	n	%	95% LCI,	95% UCI
Not easily available	8	29.1	1.1	57
Expensive				
Was under the influence of alcohol/drug				
Sex partner doesn't like to use it	12	31.7	15.4	48
I don't like to use it	4	9.1	0	20.6
Both don't like to use it	8	22	4.3	39.8
Don't think it is necessary	5	14.9	1.8	27.9
Don't think of it/forgot	2	4.9	0	13
I know this partner well	4	10	1.8	18.1
Other (Specify)	1	9.8	0	29.9
No answer	1	9.8	0	26
Denominator - Those who didn't use condom during last anal sex with commercail male partner 2	31			

Table 4: Regular, casual and commercial female partners
Regular Female Partners**Table 4.1. In the last 12 months, how many regular female partners have you had?**

Variable ID - Q801	Mean	Min	Max	Medain
mean, median, range	2.2	0	9	0.8

Table 4.2. In the last one month, have many regular female partners have you had?

Variable ID - Q802	Mean	Min	Max	Medain
mean, median, range	0.9	0	3	0.2

Table 4.3. In the last one month, with what frequency were condoms used during sex with regular female partners?

Variable ID - Q803	n	%	95% LCI,	95% UCI
Always	0			
Most times	0			
About half the times	0			
Occasionally	4	34.4	17	51.8
Never	9	65.6	48.2	83
Denominator - Those who had sex with regular female partner in last one month	13			

Table 4.4. In the last week, how many times have you had sex with regular female partners?

Variable ID - Q804	Mean	Min	Max	Medain
mean, median, range	2.5	0	10	1.5

Table 4.5. The last time you had sex with a regular female partner, did you use a condom?

Variable ID - Q805	n	%	95% LCI,	95% UCI
No	19	87.9	75.4	100
Yes	3	12.1	0	24.6
Denominator - Those with regular female partner	22			

Table 4.6. If a condom was not used at last vaginal sex with a regular female partner, why not? (Multiple Responses)

Variable ID - Q806	n	%	95% LCI,	95% UCI
Not easily available	1	8.3	0	17.9
Expensive	0			
Using other contraception	8	38.2	5.3	71.1
Was under the influence of alcohol/drug	1	8.3	0	17.9
Sex partner doesn't like to use it	1	1.1	0	2.4
I don't like to use it	3	19.3	2.4	36.2
Both don't like to use it	9	49.7	14.9	84.4
Don't think it is necessary	11	64	41.8	86.2
Don't think of it/forgot	1	8.3	0	17.9
I know this partner well	8	48.8	14.9	82.8
Denominator - Those who didn't use condom at last vaginal sex with regular female partner	43			

Casual Female Partner**Table 4.7. In the last 12 months, how many causal female partners have you had?**

Variable ID - Q901	Mean	Min	Max	Median
mean, median, range	1.7	1	4	1

Table 4.8. In the last one month, have many regular female partners have you had?

Variable ID - Q902	Mean	Min	Max	Median
mean, median, range	0.5	0	2	0

Table 4.9. In the last one month, with what frequency were condoms used during sex with casual female partners?

Variable ID - Q903	n	%	95% LCI,	95% UCI
Always	2	47.4	0	100
Most times	1	52.6	0	100
About half the times				
Occasionally				
Never				
Denominator - Those who had sex with casual female partner in last one month	3			

Table 4.10. In the last week, how many times have you had sex with casual female partners?

Variable ID - Q904	Mean	Min	Max	Median
mean, median, range	0.9	0	2	0

Table 4.11. The last time you had sex with a casual female partner, did you use a condom?

Variable ID - Q905	n	%	95% LCI,	95% UCI
No	3	28.3	0	97.6
Yes	7	71.7	2.4	100
Denominator - Those with casual female partner	10			

Table 4.12. If a condom was not used at last vaginal sex with a casual female partner, why not? (Multiple Responses)

Variable ID - Q906	n	%	95% LCI,	95% UCI
Not easily available	1	45.5	0	100
Expensive				
Using other contraception				
Was under the influence of alcohol/drug	1	45.5	0	100
Sex partner doesn't like to use it				
I don't like to use it				
Both don't like to use it				
Don't think it is necessary	1	9.1	0	62.4
Don't think of it/forgot	1	45.5	0	100
I know this partner well	1	45.5	0	100
Other (Specify)				
No answer				
Denominator - Those who didn't use condom at last time vaginal sex with casual female partner	3			

Commercial Female Partner 1**Table 4.13. In the last 12 months, how many female partners whom you pay money, gifts, or favors to have sex have you had?**

Variable ID - Q1001	Mean	Min	Max	Median
mean, median, range	2.8	1	6	1.5

Table 4.14. In the last one month, how many female partners whom you pay money, gifts, or favors to have sex have you had?

Variable ID - Q1002	Mean	Min	Max	Median
mean, median, range	0.5	0	1	0.1

Table 4.15. In the last one month, with what frequency did you use condoms during vaginal/anal sex with women whom you gave money or gifts for sex?

Variable ID - Q1003	n	%	95% LCI,	95% UCI
Always	1	3	100	
Most times				
About half the times				
Occasionally				
Never				
Denominator - Those who had sex with commercial female partner 1 in last one month	1			

Table 4.16. In the last week, how many times have you had sex with a woman whom you paid money or gifts in exchange for sex?

Variable ID - Q1004	Mean	Min	Max	Median
mean, median, range	0	0	0	0

Table 4.17. The last time you paid with money or gifts for sex to a woman, was a condom used?

Variable ID - Q1005	n	%	95% LCI,	95% UCI
No	1	11.6	0	41.5
Yes	6	88.4	58.5	100
Denominator - Those with commercial female partner 1	7			

Table 4.18. If a condom was not used the last time, you paid money or gifts for sex with a woman, what were the reasons for not using a condom? (Multiple Responses)

Variable ID - Q1006	n	%	95% LCI,	95% UCI
Not easily available	1	100	.	.
Expensive				
She used contraceptives				
Was under the influence of alcohol/drug				
Sex partner doesn't like to use it				
I don't like to use it				
Both don't like to use it	1	100	.	.
Don't think it is necessary				
Don't think of it/forgot				
I know this partner well				
Other (Specify)				
Denominator - Those who didn't use condom at last time sex with commercial female partner 1	1			

Commercial Female Partner 2**Table 4.19. In the last 12 months, how many female partners who give you money, gifts, or favors to have sex have you had?**

Variable ID - Q1007	Mean	Min	Max	Median
mean, median, range	3.2	1	6	1.6

Table 4.20. In the last one month, how many female partners who give you money, gifts, or favors to have sex have you had?

Variable ID - Q1008	Mean	Min	Max	Median
mean, median, range	2	0	6	0.8

Table 4.21. In the last one month, with what frequency did you use condoms during vaginal/anal sex with women who give you money or gifts for sex?

Variable ID - Q1009	n	%	95% LCI,	95% UCI
Always	2	63.6	0	100
Most times				
About half the times	1	30.3	0	100
Occasionally				
Never	1	6.1	0	52.7
Denominator - Those who had sex with commercial female partner 2 in last one month	4			

Table 4.22. In the last week, how many times have you had sex with a women who give you money or gifts in exchange for sex?

Variable ID - Q1010	Mean	Min	Max	Medain
mean, median, range	0	0	0	0

Table 4.23. Was a condom used the last time you had sex with a women who gave you money or gifts?

Variable ID - Q1011	n	%	95% LCI,	95% UCI
No	3	48.1	0	100
Yes	2	51.9	0	100
Denominator - Those with commercial female partner 2	5			

Table 4.24. If a condom was not used, what were the reasons for not using a condom? (Multiple Responses)

Variable ID - Q1012	n	%	95% LCI,	95% UCI
Not easily available	1	38.5	0	100
She used contraceptives				
Was under the influence of alcohol/drug				
Sex partner doesn't like to use it				
I don't like to use it	1	10.3	0	100
Both don't like to use it				
Don't think it is necessary	1	51.3	0	100
Don't think of it/forgot				
I know this partner well				
Other (Specify)				
Denominator - Those who didn't use condom in last time sex with commercial female partner 2	3			

Table 5: Partner concurrency**Table 5.1. Think about all the sex partners you had in the last 6 months. With how many of these do you still have active sexual relationships**

Variable ID - Q1101	Mean	Min	Max	Medain
mean, min, max, median	8	0	300	1

Tanle 5.2. Think about the first person you had sex with most recently. How long ago did you last have sex with this person? In months

Variable ID - Q1102	Mean	Min	Max	Medain
mean, min, max, median	1.7	0	12	0

Table 5.3. How long ago did you first have sex with this person? Years

Variable ID - Q1103	Mean	Min	Max	Medain
mean, min, max, median	1.1	0	20	0.3

Table 5.4. Think about the 2nd person you recently had sex with. How long ago did you last have sex with this person? In months

Variable ID - Q1104	Mean	Min	Max	Median
mean, min, max, median	2.4	0	12	0

Table 5.5. How long ago did you first have sexual intercourse with this person? Years

Variable ID - Q1105	Mean	Min	Max	Median
mean, min, max, median	0.9	0	11.3	0.3

Table 5.6. Think about the 3rd person you recently had sex with. How long ago did you last have sex with this person? Months

Variable ID - Q1106	Mean	Min	Max	Median
mean, min, max, median	3.4	0	23	1.1

Table 5.7. How long ago did you first have sexual intercourse with this person? In years

Variable ID - Q1107	Mean	Min	Max	Median
mean, min, max, median	1	0	15.3	0.3

Table 6: Condoms and lubricants**Table 6.1. Do you know of any place or person from which you can obtain condoms?**

Variable ID - Q1201	n	%	95% LCI,	95% UCI
No	23	4.5	1.3	7.8
Yes	569	95.5	92.2	98.7
Denominator - All	592			

Table 6.2. Please tell me all the places or person you know where you can get condoms? (Multiple Responses)

Variable ID - Q1202	n	%	95% LCI,	95% UCI
Pharmacy	285	47	28.8	65.3
Store/ Shop	140	22.1	8.4	35.8
Drop-In Center	471	81.2	71.6	90.7
Betel shop	99	16.3	3.9	28.7
Hospital/ clinic/STD team	185	26.9	18.8	35
Karaoke/Restaurant	18	1.8	0	4.7
Inn/ Hotel/ Motel/Guesthouse	38	4.1	2.1	6.1
Outreach worker/Health educator/BHS	254	43.2	26.5	59.9
Peer/Friend	205	33.1	21.8	44.4
Other (Specify)	2	0.2	0	0.7
Denominator - All	592			

Table 6.3. In the last 12 months, how do you get condoms most of the time?

Variable ID - Q1203	n	%	95% LCI,	95% UCI
Never get condom in the last 12 months	41	8.5	3.2	13.7
Sex partner provides/brings condoms	31	6.6	2	11.2
I get them for free from NGO	482	78.2	70.3	86.1
I buy them myself	37	6.6	0.4	12.7
No answer	1	0.2	0	0.5
Denominator - All	592			

Table 6.4. In the last 12 months, how often can you get a condom every time you need/want one?

Variable ID - Q1204	n	%	95% LCI,	95% UCI
Always	467	73.9	63.7	84.1
Most times	56	11.8	7.1	16.6
About half the times	9	1.4	0.4	2.4
Occasionally	37	7.3	4.6	10.1
Never	23	5.5	0.7	10.3
Denominator - All	592			

Table 6.5. If you could not always get condoms whenever you want one, what are the reasons that you don't get? (Multiple Responses)

Variable ID - Q1205	n	%	95% LCI,	95% UCI
Cost too much	2	0.9	0	2.8
Clinic/DIC/outreach worker do not provide them	33	24.1	7.3	40.9
Embarassed to get condoms	26	22.7	15.8	29.5
Do not know where to get condoms	14	13.4	2	24.8
Condoms not easily available	65	54.6	42.1	67.1
Other	9	8.6	1.6	15.5
Denominator - Those who could not always get condoms whenever they want	125			

Table 6.6. In the past 3 months, have you been given condoms for free?

Variable ID - Q1206	n	%	95% LCI,	95% UCI
No	162	31.6	23.9	39.2
Yes	430	68.4	60.8	76.1
Denominator - All	592			

Table 6.7. Do you use free condoms?

Variable ID - Q1207	n	%	95% LCI,	95% UCI
No	53	14.9	4.9	24.8
Yes	377	85.1	75.2	95.1
Denominator - Those who got free condoms	430			

Table 6.8. Do you prefer free condoms or branded condoms that you pay for?

Variable ID - Q1208	n	%	95% LCI,	95% UCI
Free	314	74.1	63.1	85
Branded	45	11.5	2.3	20.7
No preference	65	13.2	9.3	17.1
Don't know	6	1.3	0	2.8
Denominator - Those who got free condoms	430			

Table 6.9. Have you ever heard of a female condom?

Variable ID - Q1209	n	%	95% LCI,	95% UCI
No	147	27.1	22.9	31.4
Yes	445	72.9	68.6	77.1
Denominator - All	592			

Table 6.10. Have you ever used a female condom for anal sex?

Variable ID - Q1210	n	%	95% LCI,	95% UCI
No	391	90.8	85.3	96.2
Yes	54	9.2	3.8	14.7
Denominator - Those who ever heard of female condom	445			

Table 6.11. Why have you used this kind of condom for anal sex? (Multiple Responses)

Variable ID - Q1211	n	%	95% LCI,	95% UCI
Protection from HIV	18	5.7	0	11.9
Protection from other infections	11	4.1	0.1	8.1
Didn't have male condom	5	2.7	0.9	4.5
Partner won't use male condom	31	9	4	14.1
Reduces mess	10	2.4	0.4	4.4
Other:	9	3.6	0	7.7
Denominator - Those who ever used a female condom for anal sex	54			

Table 6.12. out of 10 times using condom, how many times did you use female condom?

Variable ID - Q1212	Mean	Min	Max	Median
mean, min, max, median	2.5	0	15	0.8

Table 6.13. In the past 3 months, have you received counseling on condom use and safe sex?

Variable ID - Q1213	n	%	95% LCI,	95% UCI
No	254	46.3	30.2	62.4
Yes	338	53.7	37.6	69.8
Denominator - All	592			

Table 6.14. Have you ever had the experience of condom breaking while having sex?

Variable ID - Q1214	n	%	95% LCI,	95% UCI
No	367	65.3	58.4	72.3
Yes	225	34.7	27.7	41.6
Denominator - All	592			

Table 6.15. For what reason(s) do you think the condom broke? (Multiple Responses)

Variable ID - Q1215	n	%	95% LCI,	95% UCI
Poor quality of condom	38	18.9	15.2	22.6
Expired condom	37	18.5	4.1	33
Condom wrong size	20	13.5	0	28.1
User error	84	38.1	17.4	58.9
No lubricant	47	22.5	6.9	38
Wrong type of lubricant	5	1.8	0	4.5
Violence	131	54.2	40.4	68
Used two condoms at same time	6	1.6	0	3.9
Sex lasted too long	48	19.3	15.6	23.1
Large/disfigured penis	44	17	10.6	23.5
Others				
No answer	2	2.1	0	6
Denominator - Those who ever experienced condom break	225			

Table 6.16. In the last month, have you had the experience of a condom breaking while having sex?

Variable ID - Q1216	n	%	95% LCI,	95% UCI
No	156	70.4	61.6	79.2
Yes	69	29.6	20.8	38.4
Denominator - Those who ever experienced condom break	225			

Table 6.17. The last time you had sex; did you have the experience of the condom breaking?

Variable ID - Q1217	n	%	95% LCI,	95% UCI
No	201	90.1	85.7	94.5
Yes	24	9.9	5.5	14.3
Denominator - Those who ever experienced condom break	225			

Table 6.18. Have you ever used lubricants while having anal sex?

Variable ID - Q1218	n	%	95% LCI,	95% UCI
No	133	24.4	17	31.9
Yes	459	75.6	68.1	83
Denominator - All	592			

Table 6.19. How often have you used lubricants in the last one month?

Variable ID - Q1219	n	%	95% LCI,	95% UCI
Always	239	54.1	42.1	66
Most of the time	50	10.1	5.5	14.8
About half the time	17	2.9	1.1	4.8
Occasionally	138	30	21.8	38.1
Never	15	2.9	0	5.9
Denominator - Those who ever used lubricants	459			

Table 6.20. If you don't always used lubricants, what are the main reasons that you don't use? (Multiple Responses)

Variable ID - Q1220	n	%	95% LCI,	95% UCI
Not easily available	94	48.2	35.7	60.7
Expensive	2	0.9	0	2.5
Sex partner doesn't like to use it	25	8.3	3.8	12.9
I don't like to use it	50	20	10.9	29.1
Both don't like to use it	31	10.3	5	15.5
Don't think it is necessary	74	33.8	19.5	48.1
Don't think of it/forgot	35	17.4	7.7	27.1
I'm ashamed/embarassed to buy it because it is associated with homosexual	7	3.4	0	7.1
Other (Specify)				
No answer				
Denominator - Those who didn't used lubricants always	220			

Table 6.21. all the places you know where you can get lubricants? (Multiple Responses)

Variable ID - Q1221	n	%	95% LCI,	95% UCI
Pharmacy	134	27.4	9.8	45
Store/ Shop	76	14.6	5	24.3
Drop-In Center	396	84.2	75.8	92.7
Betel shop	28	6.3	0	13.6
Hospital/ clinic/STD team	107	18.5	9.9	27.2
Karaoke/Restaurant	11	1.5	0	3.3
Inn/ Hotel/ Motel/Guesthouse	8	0.9	0	1.9
Outreach worker/Health educator/BHS	184	38	21.5	54.4
Peer/Friend	122	25.3	14.1	36.5
Other (Specify)				
No answer	1	0.7	0	2.1
Denominator - All	592			

Table 6.22. Did you use lubricant the last time you had sex with another male?

Variable ID - Q1222	n	%	95% LCI,	95% UCI
No	152	34.9	22.4	47.3
Yes	307	65.1	52.7	77.6
Denominator - Those who ever used lubricants	459			

Table 6.23. Did you use lubricant alone without condom the last time you had sex with another male?

Variable ID - Q1223	n	%	95% LCI,	95% UCI
No	34	13.1	4.4	21.8
Yes	128	43.4	27.5	59.3
I used both condom and lubricant	145	43.5	22.4	64.7
Denominator - Those who used lubricants at their last time sex	307			

Table 6.24. What kind of lubricant did you use at your last sex with another male? (Multiple Responses)

Variable ID - Q1224	n	%	95% LCI,	95% UCI
Glycerin	6	1.3	0	4.2
Saliva	33	8.1	2.1	14.2
Water-based Gel (eg. Ahphaw gel)	304	98.1	95.5	100
Body lotion/cosmetic oils	1	1.1	0	3.6
Cooking oil/butter				
Other	1	0.2	0	0.7
No answer				
Denominator - Those who used lubricants at their last time sex	307			

Table 7: Symptoms of STI, alcohol and drug use**Table 7.1. Have you ever heard of diseases that can be transmitted through sexual intercourse?**

Variable ID - Q1301	n	%	95% LCI,	95% UCI
No	30	6	2.4	9.7
Yes	562	94	90.3	97.6
Denominator - All	592			

Table 7.2. What are signs or symptoms of sexually transmitted infections in men? (Multiple Responses)

Variable ID - Q1302	n	%	95% LCI,	95% UCI
Discharge from penis	457	79.2	70.4	88
Discharge from rectum	261	45.1	32.6	57.6
Burning/ painful urination	303	51.2	45	57.4
Pain during sex	155	24.9	12.6	37.2
Genital/ anal ulcer	366	66	53.4	78.6
Swelling in groin	212	37.3	28.5	46.1
No symptoms	54	8.8	0	17.8
Other (Specify)	20	2	0	4.2
Don't know/remember				
No answer				
Denominator - All	592			

Table 7.3. Have you been tested for sexually transmitted infections in the past three months?

Variable ID - Q1303	n	%	95% LCI,	95% UCI
No	367	64.5	58.5	70.5
Yes	224	35.3	29.4	41.3
Don't know	1	0.2	0	0.6
Denominator - All	592			

Table 7.4. In the last 12 months, have you had an abnormal discharge from your penis?

Variable ID - Q1304	n	%	95% LCI,	95% UCI
No	570	96.7	94.3	99.1
Yes	22	3.3	0.9	5.7
Denominator - All	592			

Table 7.5. In the last 12 months, have you had an ulcer or sore on or near your penis?

Variable ID - Q1305	n	%	95% LCI,	95% UCI
No	553	93.8	89.8	97.9
Yes	39	6.2	2.1	10.2
Denominator - All	592			

Table 7.6. In the last 12 months, have you had pain on urination?

Variable ID - Q1306	n	%	95% LCI,	95% UCI
No	516	86.8	79	94.5
Yes	76	13.2	5.5	21
Denominator - All	592			

Table 7.7. Did you see a healthcare provider because of these problems?

Variable ID - Q1307	n	%	95% LCI,	95% UCI
No	29	30.6	15.1	46
Yes	74	69.4	54	84.9
Denominator - Those with any one of the STI symptoms	103			

Table 7.8. If you received medical treatment, where/how did you go for treatment? (Multiple Responses)

Variable ID - Q1308	n	%	95% LCI,	95% UCI
Self medication	5	8.8	0	22
Traditional medicine	5	6.7	0.1	13.4
Treatment at AIDS/STD Team	17	16.9	2	31.7
Private hospital/clinic/GP	21	27.9	17.3	38.5
Public hospital/clinic	7	8.4	0	17.5
Clinics at NGOs	30	40.6	16.8	64.5
Other				
No answer				
Denominator - Those received medical treatment for STI	74			

Table 7.9. How long did you have this symptom before seeking treatment?

Variable ID - Q1309	Mean	Min	Max	Median
mean, min, max, median, in months	0.7	0	11	0

Table 7.10. Have you ever had any alcohol drink?

Variable ID - q1401	n	%	95% LCI,	95% UCI
No	232	41.9	29.1	54.7
Yes	360	58.1	45.3	70.9
Denominator - All	592			

Table 7.11. In the last 12 months, how often do you have a drink containing alcohol?

Variable ID - Q1402	n	%	95% LCI,	95% UCI
Never	5	1.3	0.2	2.5
Monthly or less	148	44.7	33	56.4
2-4 times a month	100	25.2	16.4	34
2-3 times a week	55	16	10.5	21.5
4 or more times a week	52	12.7	5.2	20.3
Denominator - Those ever had any alcohol drink	360			

Table 7.12. In the last 12 months, did you have the experience of get drunk and had sex?

Variable ID - Q1403	n	%	95% LCI,	95% UCI
No	156	43.6	36.4	50.8
Yes	204	56.4	49.2	63.6
Denominator - Those ever had any alcohol drink	360			

Table 7.13. In the last 12 months, how often did you use condoms when you were drunk during sex?

Variable ID - Q1404	n	%	95% LCI,	95% UCI
Always	81	35.1	23.8	46.4
Most times	19	7.3	1.9	12.7
About half the times	11	7	1.2	12.7
Occasionally	44	25.1	12.7	37.6
Never	49	25.4	17.3	33.5
Denominator - Those who had experience of getting drunk and had sex in the last 12 months	204			

Table 7.14. Have you ever use drugs for non-medical purposes in your lifetime?

Variable ID - Q1405	n	%	95% LCI,	95% UCI
No	560	92.4	86.6	98.2
Yes	32	7.6	1.8	13.4
Denominator - All	592			

Table 7.15. How did you use drugs for non-medical purposes?

Variable ID - Q1406	n	%	95% LCI,	95% UCI
Injecting method	2	3.8	0	11.8
Non-injecting methods	29	92.7	77.3	100
Both	1	3.5	0	12.8
Denominator - Those ever use drugs for non-medical purpose	32			

Table 7.16. In the last 12 months, have you injected drugs for non-medical purposes?

Variable ID - Q1407	n	%	95% LCI,	95% UCI
No	2	80.6	0	100
Yes	1	19.4	0	100
Denominator - excluding those answered "non-injecting methods" in Q 1406	3			

Table 7.17. Have you shared needle during those last 12 months?

Variable ID - Q1408	n	%	95% LCI,	95% UCI
No	1	100	.	.
Yes	0			
Denominator - Those with injected drugs for non-medical purposes in last 12 months	1			

Table 7.18. During the last 12 months, do you have sex under the influence of drugs?

Variable ID - Q1409	n	%	95% LCI,	95% UCI
No	20	46.9	21.5	72.3
Yes	12	53.1	27.7	78.5
Denominator - Those ever use drugs for non-medical purpose	32			

Table 7.19. During the last 12 months, when you were under the influence of drugs and had sex, how often do you use condoms?

Variable ID - Q1410	n	%	95% LCI,	95% UCI
Always	2	16	4.1	27.9
Most times				
About half the times	1	13.3	0	28.1
Occasionally	1	13.3	0	28.1
Never	8	57.3	17.9	96.7
Denominator - Those who had sex under the influence of drugs in last 12 months	12			

Table 8: HIV knowledge and testing**Table 8.1. Have you ever received information on HIV or AIDS?**

Variable ID - Q1501	n	%	95% LCI,	95% UCI
No	16	2.7	0.5	4.8
Yes	576	97.3	95.2	99.5
Denominator - All	592			

Table 8.2. From where/whom did you receive most information about HIV?

Variable ID - Q1502	n	%	95% LCI,	95% UCI
Health providers (public/private)	459	75.7	60.3	91.2
Teacher/school official	61	11	6.5	15.4
Radio/ TV/ Magazine	89	15	3.6	26.4
IEC materials (pamphlets, posters)	209	33.1	18	48.2
Social media/Internet	163	25.6	14.9	36.3
Relatives/Friends	205	30.5	17.6	43.4
Peers	243	42.9	16.6	69.1
Others (Specify):				
No answer				
Denominator - All	592			

Table 8.3. Can a person get HIV having sex with only one uninfected partner who has no other partners?

Variable ID - Q1503	n	%	95% LCI,	95% UCI
No	497	82.6	72	93.2
Yes	89	15.7	6.5	24.9
No answer	6	1.7	0	4
Denominator - All	592			

Table 8.4. Can a person get HIV from mosquito bites?

Variable ID - Q1504	n	%	95% LCI,	95% UCI
No	524	87.1	79.3	94.9
Yes	63	11.5	4.2	18.7
No answer	5	1.4	0	3.2
Denominator - All	592			

Table 8.5. Can a person reduce the risk of getting HIV by using a condom in the right way every time they have sex?

Variable ID - Q1505	n	%	95% LCI,	95% UCI
No	15	2.8	1.2	4.4
Yes	576	97.1	95.6	98.5
No answer	1	0.2	0	0.5
Denominator - All	592			

Table 8.6. Can a person get HIV by sharing food with someone who is infected?

Variable ID - Q1506	n	%	95% LCI,	95% UCI
No	569	96.5	93.5	99.5
Yes	18	2.1	0.2	4
No answer	5	1.4	0	3.1
Denominator - All	592			

Table 8.7. Can a person get HIV by injecting with a needle that was already used by someone else?

Variable ID - Q1507	n	%	95% LCI,	95% UCI
No	13	2.6	1.3	3.8
Yes	578	97.3	96.1	98.5
No answer	1	0.2	0	0.5
Denominator - All	592			

Table 8.8. Can a healthy-looking person have HIV?

Variable ID - Q1508	n	%	95% LCI,	95% UCI
No	92	20.1	12	28.3
Yes	444	68.4	54.6	82.1
No answer	56	11.5	0	23.5
Denominator - All	592			

Table 8.9. Have you heard that there is a treatment for HIV/Aids?

Variable ID - Q1509	n	%	95% LCI,	95% UCI
No	65	11	5.4	16.6
Yes	525	88.7	83	94.5
No Answer	2	0.2	0	0.7
Denominator - All	592			

Table 8.10. Do you know where to go if you wish to receive an HIV test?

Variable ID - Q1510	n	%	95% LCI,	95% UCI
No	38	7.6	2.8	12.3
Yes	554	92.4	87.7	97.2
Denominator - All	592			

Table 8.11. Where can you have an HIV test? (Multiple Responses)

Variable ID - Q1511	n	%	95% LCI,	95% UCI
HCT at AIDS/STD Team	296	51.9	29.3	74.5
Public hospital	316	53.3	41.5	65.1
GP/private clinic/private hospital	182	30	13.7	46.2
Clinics at NGOs	501	89.4	82.2	96.6
Peer outreach workers	12	2	0	4.7
Other (Specify)	1	0.6	0	1.7
Denominator - All	592			

Table 8.12. Where would you prefer to get HIV test?

Variable ID - Q1512	n	%	95% LCI,	95% UCI
Home visit	87	11.5	1.5	21.5
Home self-test	90	11.1	2.8	19.4
Where I socialize	152	23.3	10.7	36
HCT at AIDS/STD Team	149	24.4	12.3	36.6
Public hospital	116	18.8	12.2	25.3
GP/private clinic/private hospital	69	10	3.6	16.4
Clinics at NGOs	426	72.4	57	87.8
Peer outreach workers	16	2.7	0	6
Other (Specify)	1	0	0	0.1
Denominator - All	592			

Table 8.13. Ever tested for HIV

Variable ID - Q1513	n	%	95% LCI,	95% UCI
No	90	17.3	14	20.5
Yes	502	82.7	79.5	86
Denominator - All	592			

Table 8.14. Reasons for never testing for HIV (Multiple Responses)

Variable ID - Q1514	n	%	95% LCI,	95% UCI
Feel healthy, not sick	29	31.2	13	49.5
Afraid of learning HIV status	18	15.2	5	25.3
Fear of stigma and discrimination	6	5	0	11.4
Don't think I have HIV	33	43.7	25.1	62.3
I trust my partner	10	13.7	2.7	24.7
No money to test	3	2.7	0	9.6
Do not know a place to test	18	19.2	1.6	36.9
Other	6	8.2	0	17.9
Denominator - Those never tested for HIV	90			

Table 8.15. Time since last HIV test

Variable ID - Q1515	n	%	95% LCI,	95% UCI
0-6 months	192	38.3	30.1	46.6
6-12 months	88	16.9	7.7	26.1
>12 months (one year)	206	41.2	27.8	54.5
Do not remember/know	16	3.6	0	8.8
Denominator - Those ever tested for HIV	502			

Table 8.16. The last time you went for an HIV test, why did you get the test done? (Multiple Responses)

Variable ID - Q1516	n	%	95% LCI,	95% UCI
I wanted to know my HIV status	398	79.8	64.3	95.4
Urged by spouse/ partner	18	3.2	1.4	5
Urged by friend	72	15.2	3.7	26.6
Recommended by doctor	19	4.5	0.2	8.7
For regular blood testing	142	26.3	12.6	40.1
Forced by employer	2	0.4	0	0.8
Other (specify)	5	0.8	0	1.8
Denominator - Those ever tested for HIV	502			

Table 8.17. Source of last HIV test

Variable ID - Q1517	n	%	95% LCI,	95% UCI
HCT at AIDS/STD Team	72	16	3.6	28.4
Public hospital	37	8.1	4.5	11.7
GP/private clinic/private hospital	16	3.4	0.1	6.6
Clinics at NGOs	371	71.4	59.5	83.3
Peer outreach workers	5	0.8	0.1	1.6
Other	1	0.3	0	1.1
Denominator - Those ever tested for HIV	502			

Table 8.18. Did you get the results of that last HIV test?

Variable ID - Q1518	n	%	95% LCI,	95% UCI
No	7	1.6	0	3.3
Yes	495	98.4	96.7	100
Denominator - Those ever tested for HIV	502			

Table 8.19. The last time you had an HIV test did you share your test result with others?

Variable ID - Q1519	n	%	95% LCI,	95% UCI
No	225	43	27.6	58.4
Yes	134	29.9	8.1	51.8
No answer	136	27.1	17.5	36.6

Table 8.20. If yes, with whom did you share your test result? (Multiple Responses)

Variable ID - Q1520	n	%	95% LCI,	95% UCI
Spouse/regular partner	3	1.8	0	4.9
Friend	41	15.6	7.7	23.6
Family member	41	15.6	9	22.2
Health staff	43	12.4	2.5	22.3
Colleague	37	15.1	7.7	22.6
Employer	14	4.9	1.1	8.8
Peers	46	21.3	2.1	40.4

Table 8.21. What was the result of your last HIV test:

Variable ID - Q1521.	n	%	95% LCI,	95% UCI
Negative	392	79.7	75.1	84.3
Positive	97	17.9	12.2	23.6
Indeterminate	1	0.2	0	0.6
No answer	12	2.2	0.3	4
Denominator - Those ever tested for HIV	502			

Table 8.22. Has your current/last regular partner ever tested for HIV?

Variable ID - Q1522	n	%	95% LCI,	95% UCI
No	105	56.3	34.7	77.9
Yes	62	27.5	13.4	41.7
Have no regular partner/spouse	16	7	1.2	12.9
Don't know	17	9.1	0	19

Table 8.23. Do you know the HIV status of your current/last partner?

Variable ID - Q1523	n	%	95% LCI,	95% UCI
Yes, he said he is negative	44	52.6	34.9	70.2
Yes, he said he is positive	13	15.6	7.9	23.2
Have not discussed this with my partner	3	3.6	0	8.8
Don't know	1	1.4	0	5.3
No answer	18	26.8	8	45.5

Table 8.24. If HIV self-test kits were available, how likely is it that you would use one to test yourself for HIV?

Variable ID - Q1524	n	%	95% LCI,	95% UCI
Very unlikely	80	41.6	22.3	60.9
Somewhat unlikely	37	16.8	6.8	26.8
Neutral	16	7.5	1.1	14
Somewhat likely	47	25.4	15.2	35.6
Very likely	16	6.5	0	13.3
No Answer	3	2.1	0	7.1

Table 8.25. What do you think are your chances of getting HIV?

Variable ID - Q1525	n	%	95% LCI,	95% UCI
No chance	50	25.2	17.3	33.2
Small Chance	47	25.6	19.6	31.6
Moderate Chance	37	19.5	12.6	26.5
Great Chance	62	27.5	17.8	37.2
No Answer	3	2.2	0	6.1

Table 9: HIV care and treatment**Table 9.1. Have you ever visited a healthcare provider for your HIV infection after receiving HIV positive result?**

Variable ID - Q1603	n	%	95% LCI,	95% UCI
No	2	3	0	8
Yes	95	97	92	100
Denominator - Those with HIV Positive Result	97			

Table 9.2. Have you ever taken antiretroviral medicine to treat your HIV infection?

Variable ID - Q1604	n	%	95% LCI,	95% UCI
No	3	4.3	0	9.4
Yes	94	95.7	90.6	100
Denominator - Those with HIV Positive Result	97			

Table 9.3. Are you currently taking antiretroviral medicine to treat your HIV infection?

Variable ID - Q1606	n	%	95% LCI,	95% UCI
No	7	7.5	2.3	12.8
Yes	90	92.5	87.2	97.7
Denominator - Those with HIV Positive Result	97			

Table 9.4. Among those on ART, ART provider

Variable ID - Q1607	n	%	95% LCI,	95% UCI
AIDS/STD Team	28	31	7.1	54.8
Public hospital/clinic	10	17.7	6.7	28.6
Private hospital/clinic/GP	1	0.8	0	2.6
Clinics at NGOs	51	50.6	23.9	77.3
Denominator - Those currently taking ART	90			

Table 9.5. 3rd 90: Had HIV viral suppression among those on ARV, (tested VL last 12 month)

Variable ID - Q1608	n	%	95% LCI,	95% UCI
Yes (VL suppression)	61	75.2	61.2	89.2
No	10	17.4	4	30.8
Did not test VL	7	7.3	4.2	10.5
Do not remember/know				
No response				

Table 9.6. What do you think your chances of transmitting HIV to a sexual partner?

Variable ID - Q1609	n	%	95% LCI,	95% UCI
No chance	15	14.6	2.7	26.5
Small Chance	29	24.2	12.8	35.5
Moderate Chance	22	20.8	12.8	28.7
Great Chance	29	38.1	16.6	59.6
I don't have a sexual partner	2	2.4	0	5.7
No Answer				
Denominator - Those with HIV Positive Result	97			

Table 10: Exposure to Stigma, discrimination, and Violence**Table 10.1. In the last 12 months, how often have you had to pretend that you are not a tha nge/apwint/apone in order to be accepted?**

Variable ID - Q1801	n	%	95% LCI,	95% UCI
Never	484	81	70.5	91.5
Sometimes	57	9.4	4.9	13.9
Often	24	4.1	0.5	7.7
Always	27	5.5	0	11
Denominator - All	592			

Table 10.2. In the last 12 months, how often have you lost a job or career opportunity due to your being tha nge/apwint/apone?

Variable ID - Q1802	n	%	95% LCI,	95% UCI
Never	556	93.2	89.5	96.8
Sometimes	33	6.5	3	10.1
Often	2	0.2	0	0.4
Always	1	0.1	0	0.4
Denominator - All	592			

Table 10.3. Afraid of seeking health care because of KP status in last 12 months

Variable ID - Q1803	n	%	95% LCI,	95% UCI
Never	459	77.7	67.3	88.2
Sometimes	92	16.9	8.9	24.8
Often	20	2.4	0.3	4.5
Always	21	3	0.5	5.5
Denominator - All	592			

Table 10.4. In the last 12 months, how often has your family or relatives rejected you because you are a tha nge/apwint/apone?

Variable ID - Q1804	n	%	95% LCI,	95% UCI
Never	463	77	64.9	89.2
Sometimes	79	13	7.8	18.2
Often	22	3.6	1.1	6.1
Always	28	6.4	0	12.8
Denominator - All	592			

Table 10.5. Experienced physical violence because of KP status in the last 12 months

Variable ID - Q1805	n	%	95% LCI,	95% UCI
Never	464	78.7	69.5	87.9
Sometimes	105	17.1	11.1	23.1
Often	19	3.5	0.6	6.4
Always	4	0.7	0	1.8
Denominator - All	592			

Table 10.6. Forced to have sex in the last 12 months

Variable ID - Q1806	n	%	95% LCI,	95% UCI
Never	463	76.6	66.7	86.5
Sometimes	110	20.3	12.7	27.9
Often	17	2.8	0.5	5.1
Always	2	0.4	0	1
Denominator - All	592			

Table 10.7. Harassed by police or other authorities because of KP status in last 12 months

Variable ID - Q1807	n	%	95% LCI,	95% UCI
Never	428	74.9	64.7	85.2
Sometimes	109	16.3	10.1	22.5
Often	31	5.2	1.8	8.7
Always	24	3.5	0.3	6.8
Denominator - All	592			

Table 11: HEP B and HEP C**Table 11.1. Have you ever been tested for Hepatitis B?**

Variable ID - Q1901	n	%	95% LCI,	95% UCI
No	453	76.1	64.8	87.4
Yes	138	23.8	12.5	35
Don't know	1	0.1	0	0.4
Denominator - All	592			

Table 11.2. When did you have your most recent Hepatitis B test?

Variable ID - Q1902	n	%	95% LCI,	95% UCI
Less than 12 months ago	62	48.2	40.7	55.6
More than 12 months and less than five years ago	50	32.7	22.6	42.8
More than five years ago	23	16.5	9.3	23.8
Don't know	4	2.6	0	7.1
Denominator - Excluding those never tested for Hep B	139			

Table 11.3. What was the result of your last Hepatitis B test?

Variable ID - Q1903	n	%	95% LCI,	95% UCI
Negative	128	90.7	85.3	96.1
Positive	9	7.4	1.7	13.1
Don't know	1	0.8	0	2
No answer	1	1.1	0	3.9
Denominator - Excluding those never tested for Hep B	139			

Table 11.4. Have you ever taken medicine to treat your Hepatitis B infection?

Variable ID - Q1904	n	%	95% LCI,	95% UCI
No	4	40.6	0	92.3
Yes	7	59.4	7.7	100
Denominator - Excluding those with "Negative" Hep B test result	11			

Table 11.5. Have you ever been tested for Hepatitis C?

Variable ID - Q1905	n	%	95% LCI,	95% UCI
No	466	77.9	68.5	87.3
Yes	125	21.9	12.6	31.2
Don't know	1	0.2	0	0.5
Denominator - All	592			

Table 11.6. When did you have your most recent Hepatitis C test?

Variable ID - Q1906	n	%	95% LCI,	95% UCI
Less than 12 months ago	58	49.8	40.8	58.8
More than 12 months and less than five years ago	47	33.4	24	42.8
More than five years ago	16	13.1	6.4	19.8
Don't know	5	3.7	0	7.5
Denominator - Excluding those never tested for Hep C	126			

Table 11.7. What was the result of your last Hepatitis C test?

Variable ID - Q1907	n	%	95% LCI,	95% UCI
Negative	119	95.1	91	99.2
Positive	5	2.9	0.1	5.6
Don't know	1	0.8	0	2.5
No answer	1	1.2	0	4.2
Denominator - Excluding those never tested for Hep C	126			

Table 11.8. Have you ever taken medicine to treat your Hepatitis C infection?

Variable ID - Q1908	n	%	95% LCI,	95% UCI
No	4	58.5	0	100
Yes	2	24.9	0	80.9
Don't know	1	16.6	0	63.5
Denominator - Excluding those with "Negative" Hep C test result	7			

Table 12: Exposure to intervention, and HIV, HBV, HCV, syphilis Blood Testing results**Table 12.1. Visit a __ during 2019**

Variable ID - Q2001	n	%	95% LCI,	95% UCI
No	345	61.6	53.5	69.8
Yes	247	38.4	30.2	46.5
Denominator - All	592			

Table 12.2. Did you receive an HIV test from __ in 2019?

Variable ID - Q2002	n	%	95% LCI,	95% UCI
No	486	83.8	79.1	88.4
Yes	106	16.2	11.6	20.9
Denominator - All	592			

Table 12.3. Did you get a jade pendant?

Variable ID - Q2003	n	%	95% LCI,	95% UCI
No	366	64.3	53.6	74.9
Yes	226	35.7	25.1	46.4
Denominator - All	592			

Table 12.4. Can you show it to me?

Variable ID - Q2004	n	%	95% LCI,	95% UCI
Cannot show	25	7.1	1.9	12.4
Shows the wrong object	4	1.6	0	3.8
Shows the right object	197	91.2	84.5	98
Denominator - Those who got a jade pendant	226			

Table 12.5. We have distributed some of these objects. Can you identify the one you may have received?

Variable ID - Q2005	n	%	95% LCI,	95% UCI
Identified the correct object	28	94.2	78.3	100
Could not identify correctly	1	5.8	0	21.7
Denominator - Those who can't show the right object/ show the wrong object	29			

Table 12.6. HIV final test result

Variable ID -	n	%	95% LCI,	95% UCI
HIV-	433	75.6	69.2	82.1
HIV +	159	24.4	17.9	30.8
Denominator - All	592			

Table 12.7. HIV test Result shared with participant

Variable ID -	n	%	95% LCI,	95% UCI
No	32	6.2	0	14.8
Yes	560	93.8	85.2	100
Denominator - All	592			

Table 12.8. Syphilis test result (ICT)

Variable ID -	n	%	95% LCI,	95% UCI
Non reactive	360	61.2	49.9	72.4
Reactive	232	38.8	27.6	50.1
Denominator - All	592			

Table 12.9. Syphilis test Result shared with participant

Variable ID -	n	%	95% LCI,	95% UCI
No	2	0.2	0	0.6
Yes	590	99.8	99.4	100
Denominator - All	592			

Table 12.10. Hepatitis B Ag test result

Variable ID -	n	%	95% LCI,	95% UCI
Negative	555	93.2	90	96.4
Positive	37	6.8	3.6	10
Denominator - All	592			

Table 12.11. Hepatitis B Ag test Result shared with participant

Variable ID -	n	%	95% LCI,	95% UCI
No	4	0.6	0	1.2
Yes	588	99.4	98.8	100
Denominator - All	592			

Table 12.12. Hepatitis C Ab screening test result

Variable ID -	n	%	95% LCI,	95% UCI
Negative	581	98.4	96.6	100
Positive	11	1.6	0	3.4
Denominator - All	592			

Table 12.13. Hepatitis C Ab screening test Result shared with participant

Variable ID -	n	%	95% LCI,	95% UCI
No	4	0.5	0	1
Yes	588	99.5	99	100
Denominator - All	592			

