



Ministry of Health and Sports

Research studies on HIV conducted during 2017 and 2019

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Thematic Areas (Domains)

1. Prevention among PWID
2. Prevention of sexual transmission and PMCT
3. Care and treatment
4. Integration of community and health
5. Strategic information





HIV prevention among PWID: Theme (1)

Total no. of studies: 4

Conducted by NAP, AHRN, DMR

Sub-themes

- HIV testing & ART initiation
- ART uptake & treatment outcome
- Health intervention
- HIV, HBV, HCV diagnostic services



HIV prevention among PWID: Theme (1)

2019	HIV testing and initiation of antiretroviral therapy for people who inject drugs and are enrolled to Methadone Maintenance Therapy in Myitkyina Drug Dependency Treatment Hospital, Kachin state, Myanmar	NAP
2019	Drug Use and Health in Myanmar: Understanding how to improve health interventions for people who use drugs in Myanmar	AHRN
2019	Facilitators and barriers on uptake of HIV, Hepatitis B & Hepatitis C diagnostic services by people who inject drugs attending drop-in-centres at Yangon	SORT-IT
2020	Barriers and Enablers of Antiretroviral Treatment Uptake and Treatment Outcomes of HIV Positive PWID in Kachin State, Myanmar	DMR



Sexual transmission & PMCT: Theme

(2)



Total no. of studies: 15

Conducted by NAP, DMR, UNION, UOPH, MYS

Sub-themes

- PMCT and ART uptake (4 studies)
- Adolescents living with HIV (3 studies)
 - SRH needs
 - SRH intervention
- Key population (5 studies)
 - Young key affected population (MSM, FSW)
 - GBT
 - MSM; FSW
- Condom use among adult PLHIV; Men living with HIV (3 studies)



Sexual transmission & PMCT: Theme (2)



2017	Awareness of mother to child transmission of HIV among pregnant mothers in Monywa township	UOPH
2017	Low MTCT rate but high LFU among mothers & babies in MDY	UNION
2017	Uptake of ART in HIV positive women ever enrolled in PMCT prog MDY	UNION
2017	Health seeking behaviour of young key affected population regarding reproductive health and STI/HIV services	DMR
2018-19	Assessing the effectiveness of the intervention on sexual and reproductive health (SRH) and positive living among adolescents living with HIV on antiretroviral therapy	DMR
2018-19	Identifying sexual and reproductive health (SRH) needs and risk behaviors of HIV infected adolescents in Kayin State: A mixed methods study	DMR



Sexual transmission & PMCT: Theme (2)

2018	Factors associated with consistent condom use among adult HIV patients on antiretroviral treatment in Mandalay	Student
2018	PULSE_Greater Mekong MSM Internet Survey	MYS
2018	Preventive Behavior of HIV Transmission and Acquisition among Men Who Living With HIV/AIDS in Mon State, Myanmar	Student
2019	Safe Space & Safe Talk; Health for GBT'': Promoting Safe and Friendly Healthcare services for Gay, Bisexuals and Transgender communities at public health facilities in Yangon Region	NAP
2019	Initiation of ART or pARV in pregnant women living with HIV	UNION
2019	Consistent condom utilization and its associated factors among people living with HIV at Pyinmanar STD Team, Naypyitaw Region	UOPH





Sexual transmission & PMCT: Theme (2)

2020	An assessment of alcohol consumption, substance use and sexual risk behaviours among men who have sex with men (MSM) in Yangon and Mandalay, Myanmar	DMR
2020	Perception on and willingness to take pre-exposure prophylaxis among female sex workers in major cities of Myanmar (going to conduct)	DMR
2020	Feasibility and acceptability of integrated intervention package on positive living, sexual and reproductive health for adolescents living with HIV through adult peer counselors at public ART center (going to conduct)	DMR





Care and treatment: Theme (3)

Total no. of studies: 31

Conducted by NAP, DMR, NHL, UOPH, UNION, MSF-H, BI, MAM





Care and treatment: Theme (3)

Sub-themes:

- Continuum of care/care cascade/HIV care task shifting (5 studies)
- ART adherence (5 studies)
 - RCT on ART adherence & depression
 - ART adherence: among youths, counselling, social support
 - Health literacy on ART adherence
- Drug resistance (3 studies)
- Treatment outcome (2 studies); Viral load monitoring (2 studies)
- Virological failure: children, adolescents (2 studies)
- HIV+TB (3 studies); HBV & HCV (2 studies); HIV+CVD (1 study)
- Health seeking behavior (1 study); Survival (1 study)
- Pediatric ART (1 study); Quality of life (1 study)



Care and treatment: Theme (3)

2017	Predictors for the survival of adult HIV patients on antiretroviral therapy form Tharkayta specialist hospital	UOPH
2017	Health seeking behaviour and economic burden among HIV patients in a commercial city, Myanmar	Student
2017-18	Assessment on Pediatric Anti-retroviral Therapy and Care of HIV Infected Children at ART Centers from Public Sector in Myanmar	DMR
2018	Factors affecting adherence to anti-retroviral therapy among youths (18-24 years) in Yangon, Myanmar	Student
2018	Factors affecting quality of life in people living with HIV on antiretroviral treatment in Taunggyi, Shan State, Myanmar	Student
2018	A cross-sectional survey of HIV drug resistance in patients attending the clinics of Medical Action Myanmar	MAM





Care and treatment: Theme (3)

2018	Effect of cognitive behaviour therapy for antiretroviral therapy adherence and depression among people who living with HIV and depressive symptoms: a randomized controlled trial	Student
2018	Evaluation of antiretroviral medication adherence counselling in Taunggyi, Southern Shan state, Myanmar	Student
2018	ART adherence and social support in Southern Shan State	NAP
2018	Virological failure in children living with HIV	UNION
2018	Attrition and virological failure among adolescents enrolled in Integrated HIV Care Program in Myanmar	UNION
2018	Health literacy on medication adherence of anti-retroviral therapy among the adult people living with HIV in Bago Township, Myanmar	Student





Care and treatment: Theme (3)

2018	Risk Factors of Tuberculosis among People Living with HIV/AIDS in Southern Shan State, Myanmar, A Case Control Study	Student
2018	Facility assessment on continuum of care in HIV/AIDS at different levels of service deliveries	DMR
2019	15 years of HIV care delivery in a multi-centre cohort: health workforce burden outcomes and continued positive programme outcomes following implementation of task shifting and a differentiated model of care in Myanmar	MSF-H
2019	Virological treatment outcomes of patients on first line antiretroviral treatment in Medecins Sans Frontieres HIV programme in Myanmar – historical cohort analysis	MSF-H



Care and treatment: Theme (3)

2019	Comparison of International Cardiovascular Disease Prediction models and eligibility for lipid lowering therapy in People living with HIV	Student
2019	Assessment of time to initiate ART and the facilitators and barriers for rapid initiation of ART among PLHIV enrolled to ART centers in selected states and regions	NAP
2019	Tuberculosis and risk of metabolic diseases among people living with HIV in Southern Shan State, Myanmar	UNION
2019	Assessing the feasibility of an integrated HIV cascade of care surveillance system in Myanmar (ACCESS Myanmar)	Burnet Inst.
2019	Intra-familial Prevalence of Hepatitis C (HCV) and Hepatitis B (HBV) Among Household Member of HIV/HCV Co-Infected Patients	MSF-CH





Care and treatment: Theme (3)

2019	HIV care cascade among inmates of the Mandalay central prison in Myanmar	NAP
2019	Second line antiretroviral treatment outcomes and factors associated with viral rebound and virological failure: historical cohort analysis of MSF-H HIV cohorts in Myanmar	MSF-H
2019	Performance and outcomes of routine viral load monitoring in people living with HIV newly initiating ART in the Integrated HIV care Program in Myanmar between January 2016 and December 2017	SORT-IT
2019	HIV Treatment Failure and Drug Resistance Among Children and Adolescents in Myanmar	Student
2019	HIV drug resistance and predictors of treatment failure in patients on boosted protease inhibitors (second line antiretroviral treatment)	MSF-H





Care and treatment: Theme (3)

2019	The burden of advanced HIV disease within an differentiated model of HIV care in Myanmar	MSF-H
2019	Uptake of routine viral load monitoring among people living with HIV and its implementation challenges in Yangon region of Myanmar	NAP
2019	Optimizing Utilization of an Existing Abbott m2000 at the National Health Laboratory (NHL) to Expand Access to HCV Testing in Myanmar	NHL, FIND
2019	HIV testing uptake and HIV positivity among presumptive TB patient in MDY	UNION
2019	Factors influencing and barriers of HIV care continuum among PLHIV in Thaketa specialist hospital	UOPH



Integration of community and health: Theme 4



Total no. of studies: 4

Conducted by NAP, DMR, AMA, UOPH

Sub-themes:

- Peer educators/supporters
- SRH intervention using peer counselors
- ART adherence and social support
- Community assessment of quality of service delivery



Integration of community and health: Theme 4



2018	Role of peer educators/supporters in HIV care services in Yangon, Myanmar	Student
2018	ART adherence and social support in Southern Shan State	NAP
2020	Community Assessment of the Quality of Service Delivery of HIV Testing and Counseling, Sexually Transmitted Illnesses, and Sexual and Reproductive Health in Myanmar	AMA
2020	Feasibility and acceptability of integrated intervention package on positive living, sexual and reproductive health for adolescents living with HIV through adult peer counselors at public ART center (going to conduct)	DMR





Strategic Information: Theme 5

Total no. of studies: 5

Conducted by NAP, NHL, Burnet Inst., MSF-H, UOPH

Sub-themes:

- HIV care cascade at prison
- HIV cascade of care surveillance system
- Expanding access to HIV testing
- Burden of advanced HIV
- Impact of COVID-19





Strategic Information: Theme 5

2019	HIV care cascade among inmates of the Mandalay central prison in Myanmar (3+5)	NAP
2019	Assessing the feasibility of an integrated HIV cascade of care surveillance system in Myanmar (ACCESS Myanmar) (3+5)	Burnet Inst.
2019	The burden of advanced HIV disease within an differentiated model of HIV care in Myanmar (3+5)	MSF-H
2019	Optimizing Utilization of an Existing Abbott m2000 at the National Health Laboratory (NHL) to Expand Access to HCV Testing in Myanmar	NHL, FIND
2020	The Impacts of the COVID-19 epidemic on existing HIV prevention, care and treatment services: Health care providers' perspectives on barriers and readiness/preparedness for future infectious disease epidemics in Myanmar	Student





Ongoing and future research from DMR-HQ

- An assessment of alcohol consumption, substance use and sexual risk behaviours among men who have sex with men (MSM) in Yangon and Mandalay, Myanmar (ongoing)
- Feasibility & acceptability of integrated intervention package on positive living, sexual and reproductive health for adolescents living with HIV through adult peer counselors at public ART centers (ongoing)





Ongoing and future research from DMR-HQ

- Perception on and willingness to take pre-exposure prophylaxis among female sex workers in major cities of Myanmar (2020-2021) (DMR grant) (waiting for NAP endorsement)
- Growth and nutritional status of HIV infected adolescents attending public ART centres in Myanmar: A mixed-methods study (2020-2021) (WHO-DFC)
- Barriers and Enablers of Antiretroviral Treatment Uptake and Treatment Outcomes of HIV Positive PWID in Kachin State, Myanmar (2020-2021)





Thank You





Questions, comments and suggestion