

ANNEX I.

MMAPP Indicators Description and Reporting Templates

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MMAPP Indicators Description

	Indicator	Definition	Numerator	Denominator	Relevant items in the MMAPP Questionnaire
Domain 1: Symptoms of depression and/or anxiety among adolescents and young people					
1	Symptoms of depression among adolescents and young people	Percentage of adolescents and young people reporting symptoms of depression during the last 2 weeks	Number of adolescents and young people reporting symptoms of depression during the last 2 weeks	Total number of adolescents and young people in the sample	MMAPP01- MMAPP04, MMAPP11- MMAPP21
2	Symptoms of anxiety among adolescents and young people	Percentage of adolescents and young people reporting symptoms of anxiety during the last 2 weeks	Number of adolescents and young people reporting symptoms of anxiety during the last 2 weeks	Total number of adolescents and young people in the sample	MMAPP05- MMAPP10, MMAPP19 - MMAPP25
3	Symptoms of depression and/or anxiety among adolescents and young people	Percentage of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks	Number of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks	Total number of adolescents and young people in the sample	MMAPP01- MMAPP25

Domain 2: Functional limitations due to symptoms of anxiety or depression					
4	Functional limitations among adolescents and young people with symptoms of depression and/or anxiety	Percentage of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks, who report functional limitations related to those symptoms in daily activities or relationships (school/work, family, peers)	Number of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks, who report functional limitations related to those symptoms in daily activities or relationships (school/work, family, peers)	Total number of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks, in the sample	MMAP_FL1 MMAP_FL2 MMAP_FL3
Domain 3: Suicidality					
5	Suicidal ideation among adolescents and young people	Percentage of adolescents and young people reporting suicidal thoughts in the last 2 weeks	Number of adolescents and young people reporting suicidal thoughts in the last 2 weeks	Total number of adolescents and young people, in the sample	MMAP_SU2
6	Suicide attempt in the last 12 months among adolescents and young people	Percentage of adolescents and young people reporting a suicide attempt in the last 12 months	Number of adolescents and young people reporting a suicide attempt in the last 12 months	Total number of adolescents and young people, in the sample	MMAP_SU1
Domain 4: Mental Health Care-seeking and Connectedness					
7	Professional help-seeking for mental health among adolescents and young people	Percentage of adolescents and young people who had spoken with a mental health or other professional about their mental health during the last month	Number of adolescents who have ever spoken with mental health or other professional about their mental health in the past month (scored 1, 2, or 3 in MMAP_CC4 or	Number of adolescents and young people who reported of having any mental health symptoms on MMAPP: <ul style="list-style-type: none"> Reported at least one hallmark symptom of depression or anxiety (scored 2 	MMAP_CC4 MMAP_CC5

			MMAP_CC5), among those reported of having any mental health symptoms on MMAPP (see the denominator condition)	or 3 in MMAPP01-MMAPP10); OR	
				<ul style="list-style-type: none"> Reported suicidal thoughts or attempts (scored 1 in MMAP_SU1 and/or MMAP_SU2) 	
8	Informal help-seeking for mental health among adolescents and young people	Percentage of adolescents and young people who had spoken with someone in their family, peer, or community support networks about their mental health during the last month	Number of adolescents who have ever spoken with someone in their family, peer, or community support networks about their mental health in the past month (scored 1, 2, or 3 in MMAP_CC1-MMAP_CC3), among those reported of having any mental health symptoms on MMAPP (see the denominator condition)	Number of adolescents and young people who reported of having any mental health symptoms on MMAPP: <ul style="list-style-type: none"> Reported at least one hallmark symptom of depression or anxiety (scored 2 or 3 in MMAPP01-MMAPP10); OR Reported suicidal thoughts or attempts (scored 1 in MMAP_SU1 and/or MMAP_SU2) 	MMAP_CC1 MMAP_CC2 MMAP_CC3
9	Any help-seeking for mental health among adolescents and young people	Percentage of adolescents and young people who had spoken with someone in their informal or professional support network about a problem or worry related to their mental health during the last month	Number of adolescents who have ever spoken with anyone about their mental health in the past month (scored 1, 2, or 3 in MMAP_CC1-MMAP_CC5), among those reported of having any mental health symptoms on MMAPP (see the denominator condition)	Number of adolescents and young people who reported of having any mental health symptoms on MMAPP: <ul style="list-style-type: none"> Reported at least one hallmark symptom of depression or anxiety (scored 2 or 3 in MMAPP01-MMAPP10); OR Reported suicidal thoughts or attempts (scored 1 in	MMAP_CC1 MMAP_CC2 MMAP_CC3 MMAP_CC4 MMAP_CC5

 MMAP_SU1 and/or
 MMAP_SU2)

Reporting Templates by Indicator

Contextualize and adapt as needed. Replace all bracketed placeholders with the relevant figures, population descriptors, and contextual details for your setting. For Indicators 1, 2, and 3, the appropriate template depends on your sample type and observed screen-positive rate. Use the decision guide below to select the right approach before reporting.

Situation	Recommended approach
Non-representative sample (e.g., programme participants, convenience sample)	Report raw observed prevalence rate. Clearly label as non-representative. Do not generalize to the broader population.
Representative sample, observed rate below 25%	Report observed population prevalence rate as primary figure. If available, include adjusted estimate for reference.
Representative sample, observed rate 25% or higher	Report both observed and adjusted population prevalence estimates, preferably with confidence intervals. Include calculation used to adjusted observed rate as supplementary information with explanation.

- **MMAPP Indicator 1:** Percentage of adolescents and young people reporting symptoms of depression during the last 2 weeks
 - Report of raw observed prevalence rate from the sample: Approximately X% (1 out of xx) adolescents and/or young people in [country/region/population/sample] aged X self-report having symptoms of depression over the past 2 weeks. These findings are based on a non-representative sample of [description of sample] and should not be generalized to the broader [country/regional] population.
 - Report of observed population prevalence rate from a population-representative sample (raw estimate < 25%): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the estimated prevalence of depression at the population level for adolescents is X% (1 out of xx).
 - Report of observed and adjusted population prevalence estimate from a population-representative sample (raw estimate 25% or higher): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the adjusted estimated prevalence of depression at the population level for adolescents is X% (1 out of xx). The unadjusted observed screen-positive rate was X%, which was adjusted for the likelihood of false-positives given the high observed rate (>25%).

- **MMAPP Indicator 2:** Percentage of adolescents and young people reporting symptoms of anxiety during the last 2 weeks
 - Report of raw observed prevalence rate from the sample: Approximately X% (1 out of xx) adolescents and/or young people in [country/region/population/sample] aged X self-report having symptoms of anxiety over the past 2 weeks. These findings are based on a non-representative sample of [description of sample] and should not be generalized to the broader [country/regional] population.
 - Report of observed population prevalence rate from a population-representative sample raw estimate < 25%): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the estimated prevalence of anxiety at the population level for adolescents is X% (1 out of xx).
 - Report of observed and adjusted population prevalence estimate from a population-representative sample (raw estimate 25% or higher): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the adjusted estimated prevalence of anxiety at the population level for adolescents is X% (1 out of xx). The unadjusted observed screen-positive rate was X%, which was adjusted for the likelihood of false-positives given the high observed rate (>25%).
- **MMAPP Indicator 3:** Percentage of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks

Note. This indicator is generated based on % of cases meet depression and/or anxiety cut-off criteria (i.e., there is no consolidated criteria or cut-off for MMAPP Domain Total score)

- Report of raw observed prevalence rate from the sample: Approximately X% (1 out of xx) adolescents and/or young people in [country/region/population/sample] aged X self-report having symptoms of depression and/or anxiety over the past 2 weeks. These findings are based on a non-representative sample of [description of sample] and should not be generalized to the broader [country/regional] population.
- Report of observed population prevalence rate from a population-representative sample raw estimate < 25%): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the estimated prevalence of depression and/or anxiety at the population level for adolescents is X% (1 out of xx).
- Report of observed and adjusted population prevalence estimate from a population-representative sample (raw estimate 25% or higher): Based on a representative sample of [X adolescents and young people aged X-X in country/region], the adjusted estimated prevalence of depression and/or anxiety at the population level for adolescents is X% (1 out of xx). The unadjusted observed screen-positive rate was X%, which was adjusted for the likelihood of false-positives given the high observed rate (>25%).

- **MMAPP Indicator 4:** Percentage of adolescents and young people reporting symptoms of depression and/or anxiety during the last 2 weeks, who report functional limitations related to those symptoms in daily activities or relationships (school/work, family, peers)
 - Of the adolescents and young people who self-report symptoms of depression and/or anxiety during the last 2 weeks, X% (1 out of XX) self-report experiencing functional limitations related to those symptoms in daily activities or relationships (school/work, family, peers)
- **MMAPP Indicator 5:** Percentage of adolescents and young people reporting suicidal thoughts in the last 2 weeks
 - Approximately X% (1 out of xx) adolescents and/or young people in [country/region/population/sample] aged X X% (1 out of xx) reported having thoughts of suicide in the past 2 weeks
- **MMAPP Indicator 6:** Percentage of adolescents and young people reporting a suicide attempt in the last 12 months
 - Approximately X% (1 out of xx) adolescents and/or young people in [country/region/population/sample] aged X reported having a suicide attempt in the past 12 months
- **MMAPP Indicator 7:** Percentage of adolescents and young people who had spoken with a mental health or other health professional about their mental health during the last month
 - Of adolescents reported to have any symptoms of depression or anxiety and/or suicidal thoughts in the past 2 weeks or have had a suicidal attempt in the past year¹, X% (1 out of xx) report having had contact with a health professional or other provider of mental health care in the past month
- **MMAPP Indicator 8:** Percentage of adolescents and young people who had access to someone family, community, or peer support networks to talk about a problem or worry related to their mental health during the last month
 - Of adolescents reported to have any symptoms of depression or anxiety and/or suicidal thoughts in the past 2 weeks or have had a suicidal attempt in the past year², X% (1 out of XX) report having had access to someone in their family, community, or peer support networks to talk about a problem or worry related to their mental health in the past month

¹ Note that while MMAPP-CC items used for the Indicator 7 reporting are asked to all participants, reporting on this indicator should be limited to those who reported of having any mental health symptoms on MMAPP. See the indicator 7 numerator and denominator description in the indicator description table.

² Note that while MMAPP-CC items used for the Indicator 8 reporting are asked to all participants, reporting on this indicator should be limited to those who reported of having any mental health symptoms on MMAPP. See the indicator 8 numerator and denominator description in the indicator description table.

- **MMAPP Indicator 9:** Percentage of adolescents and young people who had spoken with someone in their family, peer, or community support networks about their mental health during the last month
 - Of adolescents reported to have any symptoms of depression or anxiety and/or suicidal thoughts in the past 2 weeks or have had a suicidal attempt in the past year³, X% (1 out of XX) reported having any informal or professional support on a problem or worry related to their mental health in the past month

³ Note that while MMAPP-CC items used for the Indicator 9 reporting are asked to all participants, reporting on this indicator should be limited to those who reported of having any mental health symptoms on MMAPP. See the indicator 9 numerator and denominator description in the indicator description table.