

## ANNEX B

## Rationale for Inclusion of Items in MMAPP

UNICEF | Preprint Version, May 2026

Item #	Item	Rationale for inclusion in MMAPP	Psychometric properties
MMAPP01	During the past two weeks, how often have you been feeling very sad or depressed?	Depressed mood is one of the hallmark symptoms (there are 2 hallmark symptoms, one of which is required for a diagnosis to be made)	High sensitivity for depression
MMAPP02	During the past two weeks, how often have you felt easily annoyed or irritable at small things?	Among children, 'irritability' is a third optional hallmark symptom.	High sensitivity for depression
MMAPP03	During the past two weeks, how often have you not enjoyed doing things you used to enjoy, such as <b>playing sports, singing and dancing, or spending time with friends?</b>	Anhedonia is the second hallmark symptom to meet depression criteria. (of note, this is one of the most complicated items for translation and explanation based on multiple settings)	High sensitivity for depression
MMAPP04	During the past two weeks, how often have you felt hopeless about the future?	Part of the ICD criteria for depression; also commonly reported in qualitative research.	High sensitivity for depression
MMAPP05	During the past two weeks, how often have you felt nervous or anxious?	One of the accompanying criteria for anxiety.	High sensitivity for anxiety
MMAPP06	During the past two weeks, how often have you worried you can't do anything right or are doing things poorly?	A symptom of social anxiety disorder, but commonly associated with other anxiety conditions as well.	High sensitivity for anxiety
MMAPP07	During the past two weeks, how often have you worried about what others think of you?	A symptom of social anxiety disorder, but commonly associated with other anxiety conditions as well.	High sensitivity for anxiety
MMAPP08	During the past two weeks, how often have you worried something bad will happen to you or your family?	Not a clinical symptom, but this item was found to high sensitivity for anxiety in the MMAPP development studies.	High sensitivity for anxiety
MMAPP09	During the past two weeks, how often have you worried too much about different things?	A hallmark symptom of anxiety (required for the condition)	High sensitivity for anxiety
MMAPP10	During the past two weeks, how often have you felt unable to stop or control your worries?	A hallmark symptom of anxiety (required for the condition)	High sensitivity for anxiety

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MMAPP11	During the past two weeks, how often have you not wanted to eat even when food was available, or have you eaten too much?	An accompanying symptom of depression in DSM and ICD; may be challenging to translate and explain, especially in settings of food scarcity (e.g., high poverty areas, refugees)	High specificity for depression
MMAPP12	During the past two weeks, how often have you had problems falling asleep, problems sleeping well, or problems with sleeping too much?	An accompanying symptom of depression and anxiety as well.	Moderate sensitivity and specificity for depression
MMAPP13	During the past two weeks, how often have you felt that you got tired easily or did not have the energy to do daily activities?	An accompanying symptom of both depression and anxiety, and has good specificity for depression.	High specificity for depression
MMAPP14	During the past two weeks, how often have you had trouble concentrating on things, such as doing homework, household chores, or other tasks you need to do?	An accompanying symptom of both depression and anxiety.	Moderate sensitivity and specificity for depression
MMAPP15	During the past two weeks, how often have you felt lonely?	Not a clinical symptom, but it was frequently noted in qualitative research and has received growing global attention, e.g., recent WHO commission.	High specificity for depression
MMAPP16	During the past two weeks, how often have you felt like a failure or like you have let yourself or your family down?	An accompanying symptom of depression.	Moderate sensitivity and specificity for depression
MMAPP17	During the past two weeks, how often have you had thoughts that you would rather be dead or thoughts of hurting yourself?	Suicidal thoughts are a major mental health risk and important to assess, also an accompanying symptom of depression. Of note, the wording here and the suicide module are different.	High specificity for depression
MMAPP18	During the past two weeks, how often have others said that you have been moving more slowly than usual?	An accompanying symptom of depression; note it is often hard to explain.	Moderate sensitivity and specificity for depression
MMAPP19	During the past two weeks, how often have others said that you are restless or that you can't sit still?	An accompanying symptom of both depression and anxiety.	Moderate sensitivity and specificity for anxiety
MMAPP20	During the past two weeks, how often have you felt that it was difficult to breathe?	Not a clinical symptom, but is highly associated with anxiety and depression in our MMAPP development samples (and other literature).	High specificity for anxiety and depression
MMAPP21	During the past two weeks, how often have you felt dizzy or faint?	Not a clinical symptom, but is highly associated with anxiety and depression in our MMAPP development samples (and other literature).	High specificity for anxiety and depression

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MMAPP22	During the past two weeks, how often have you suddenly gotten scared for no reason or without knowing what made you scared?	This is a symptom of panic disorder, but is associated with other anxiety as well. Of note, this is the only item that should include "for no reason or without knowing what made you scared."	High specificity for anxiety
MMAPP23	During the past two weeks, how often have you had difficulty relaxing or difficulty feeling calm?	An accompanying symptom of anxiety.	High specificity for anxiety
MMAPP24	During the past two weeks, how often have you felt like your heart was pounding or beating too fast?	An accompanying symptom in the ICD.	High specificity for anxiety
MMAPP25	During the past two weeks, how often have you had headaches or muscle tension?	An accompanying symptom in the DSM and ICD.	Moderate sensitivity and specificity for anxiety
Functional Limitation (MMAPP - FL) Instructions	I would like to ask you a few more questions about the feelings and experiences that you mentioned in earlier questions.	To understand the impact of mental health symptoms, it is important to document if they symptoms are associated with functional impairment. Technically, in clinical psychiatry and psychology, functional impairment is required in addition to symptoms.	Not applicable
MMAP_FL1	During the past two weeks, how often did any of these feelings and experiences negatively affect your ability to perform your daily activities at home or your relationships with family members?	To understand the impact of mental health symptoms, it is important to document if they symptoms are associated with functional impairment. Technically, in clinical psychiatry and psychology, functional impairment is required in addition to symptoms.	Not applicable
MMAP_FL2	During the past two weeks, how often did any of these feelings and experiences negatively affect your ability to perform your activities at school or work, or other tasks you need to do outside the home?	To understand the impact of mental health symptoms, it is important to document if they symptoms are associated with functional impairment. Technically, in clinical psychiatry and psychology, functional impairment is required in addition to symptoms.	Not applicable
MMAP_FL3	During the past two weeks, how often did any of these feelings and experiences negatively affect your relationships with your peers?	To understand the impact of mental health symptoms, it is important to document if they symptoms are associated with functional impairment. Technically, in clinical psychiatry and psychology, functional impairment is required in addition to symptoms.	Not applicable
Suicidality (MMAPP - SU) Instructions	The following questions are sensitive. Recheck that the space does not include other individuals listening to the interview.	Suicidal thoughts and attempts are a part of Major Depressive Disorder criteria. However, suicidality may occur with many other types of mental health conditions (PTSD, Obsessive Compulsive Disorder, Substance Use Disorders). It is also important to note, that many people who have suicide attempts or die by suicide have no	Not applicable

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		mental health condition. This is especially true for adolescents who may have suicide thoughts and behaviors, but no mental health condition. National prevalence data on suicidal ideation and behavior is a crucial part of an effective mental health response plan for governments and organizations.	
Suicidality (MMAPP - SU) Instructions	Sometimes when people are very distressed, upset or feel hopeless, they may have thoughts about putting an end to their emotional pain, not wanting to live, or ending their own life. These thoughts are not uncommon, and you should not feel ashamed about having such thoughts if you do. I would like to ask you some more questions to better understand how things are for you. Is that okay? Can we continue?	See notes for Suicidality Instruction	Not applicable
MMAP_SU1	In the past 12 months, did you try to harm yourself with the intention or desire to end your life? For example, <b>by cutting yourself on purpose, taking poison or too much medicine, or trying to hang yourself*?</b>	See notes for Suicidality Instruction	Not applicable
MMAP_SU2	In the past 2 weeks, have you thought about doing something to end your life? For example, <b>by cutting yourself on* purpose, taking poison or too much medicine, or trying to hang yourself?</b>	See notes for Suicidality Instruction	Not applicable
Care-seeking and Connectedness (MMAPP - CC) Instructions	We have been talking about different feelings, experiences and problems that people your age may go through. I would like to know how often you talk to someone else about these sorts of feelings and experiences.	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable
MMAP_CC1	MMAP_CC1. In the past month, how often did you speak about these feelings or experiences with a family member or other relative?	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable
MMAP_CC2	MMAP_CC2 In the past month, how often did you speak about these feelings or experiences with a friend, classmate, or other peer?	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable

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MMAP_CC3	MMAP_CC3. In the past month, how often did you speak about these feelings or experiences with someone in your school, workplace, or community, <b>such as a teacher, religious leader, coach, peer support worker?</b>	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable
MMAP_CC4	MMAP_CC4. In the past month, how often did you speak about these feelings or experiences with a mental health professional (a professional who talks about feelings, emotions, and behaviors), <b>such as a counsellor, therapist, social worker?</b>	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable
MMAP_CC5	MMAP_CC4. In the past month, how often did you speak about these feelings or experiences with other healthcare professional, <b>such as doctor, nurse, community health worker, or other healthcare professionals?</b>	Care seeking is not a technical criterion, but it is helpful to indicate if the problem is at the level of severity where an adolescent is seeking care or support.	Not applicable