**MOSAIC DOMAIN III: INFORMING THE USE OF HUMAN HEALTH INTERVENTIONS**

**OBJECTIVE-DRIVEN DISCUSSION**

**Facilitator Guide**

Summary of the session

The purpose of this session is to assist country representatives in mapping out which national surveillance approaches and other regional or global data can meet the objectives of Domain III. This facilitator guide includes discussion questions for each of the seven objectives in Domain III. **During pre-workshop planning, organizers and facilitators should discuss which of the seven objectives are priorities for the country. Questions for those objectives which are *not* a priority can be removed**. This session will support country representatives in the following:

* Reviewing which objectives related to interventions are a priority for their country;
* Determining if the country requires national, regional, or global data;
* Reviewing which methods and systems are required to assess the different interventions;
* Identifying which institutes or partners implement the strategy/approach.

This discussion will also provide insights into how and if results are used by policymakers. This will support the country to identify how best to use routine data to inform public health interventions, as well as identify how additional studies or data can best inform priority objectives.

## Domain III Objectives

1. Monitor the impact of non-medical interventions in the population;
2. Provide candidate vaccine viruses for vaccine composition, production, and risk assessment;
3. Monitor vaccine coverage, effectiveness, impact, and cost-effectiveness;
4. Monitor the effectiveness of antivirals and other therapeutics;
5. Monitor the effectiveness of diagnostic tests;
6. Monitor the effectiveness of clinical care pathways, including infection prevention and control;
7. Monitor adverse events to vaccines and therapeutics

**Objective 1:** **Monitor the impact of non-medical interventions in the population**

* Is this objective a priority for the country? (If yes, proceed; If no, skip)
* Do you envision needing national data to meet this objective, or are policymakers in the country comfortable relying on global or regional data?
  + Which level of data might you need for different intervention types (e.g., mask use in health facilities, triage and referral policies in care facilities, air filtration/ventilation public facilities, informing seasonal diagnostic practices, local school closures)
* If you require national data to monitor or assess an intervention, what data are needed (e.g. data from routine surveillance; data from existing studies)?
  + If there are data or systems available to support assessment of this objective, which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution(s) are responsible for reviewing data that would inform policies related to the use of this intervention?
  + Who is responsible for implementing this intervention (if different)?
* If you are able to rely on regional or global data to inform the use of an intervention, what is the process for gathering relevant data and evidence to inform the use of this intervention?

**Objective 2:** **Provide candidate vaccine viruses for vaccine composition, production, and risk assessment**

* Is this objective a priority for the country? (If yes, proceed; If no, skip)
* Are you currently submitting specimens to support global risk assessment and characterization?
  + If yes, for which pathogens?
  + If no, what challenges are you experiencing to submitting samples?

**Objective 3a: Monitor vaccine coverage**

* Is this objective a priority for the country? (If yes, proceed; If no, skip)
* What data are needed to support this monitoring of vaccine coverage (e.g. vaccination registries, national immunization surveys, routine surveillance systems)?
  + If there are data or systems available to support monitoring of this objective (e.g., doses administered, coverage estimates, demand/hesitancy and uptake), which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution is responsible for reviewing data that would inform policies related to the use of this intervention?
  + Who is responsible for implementing this intervention (if different)?

**Objective 3b: Monitor vaccine effectiveness, impact, and cost-effectiveness**

* Is this objective a priority for the country? \_\_\_\_\_ (If yes, proceed; If no, skip)
* Do you envision needing national data to meet this objective, or are policy makers in your country comfortable relying on global or regional data?
  + How might your response differ for vaccine effectiveness vs. impact vs. cost-effectiveness?
* If you require national data to monitor or assess an intervention, what data are needed to support this objective (e.g. data from routine surveillance; data from existing studies)?
  + If there are data or systems available to support monitoring or assessment of this objective, which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution is responsible for reviewing data that would inform policies related to the use of these interventions?
  + Who is responsible for implementing these interventions (if different)?
* If you can rely on regional or global data to inform use of this intervention, what is the process for gathering relevant data and evidence to inform the use of these interventions?

**Objective 4: Monitor the effectiveness of antivirals and other therapeutics**

* Is this objective a priority for the country? \_\_\_\_\_ (If yes, proceed; If no, skip)
* Do you envision needing national data to meet this objective, or are policy makers in your country comfortable relying on global or regional data?
  + How might your response differ between prophylactic and therapeutic products?
* If you require national data to evaluate a product, what data are needed (e.g. randomized controlled trial or other study)?
  + If there are data or systems available to support monitoring or assessment of this objective, which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution is responsible for reviewing data that would inform policies related to the use of this intervention?
  + Who is responsible for implementing this intervention (if different)?
* If you can rely on regional or global data to inform use of this intervention, what is the process for gathering relevant data and evidence to inform the use of this intervention?

**Objective 5:** **Monitor the effectiveness of diagnostic tests**

* Is this objective a priority for the country? \_\_\_\_\_ (If yes, proceed; If no, skip)
* How do you monitor availability and performance of rapid diagnostic tests for respiratory viruses that are currently on the market in your country?
* Do you envision needing national data to evaluate performance of diagnostic tests (both rapid and laboratory-based), or are policy makers in your country comfortable relying on global or regional data?
  + If yes, what national data do you need to evaluate the performance characteristics of the diagnostics being used in your country?
  + If there are data or systems available to support evaluation of this objective, which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution is responsible for reviewing data that would inform policies related to the use of this intervention?
* If you can rely on regional or global data to inform use of this intervention, what is the process for gathering relevant data and evidence to inform the use of this intervention?

**Objective 6: Monitor the effectiveness of clinical care pathways, including infection prevention and control**

* Is this objective a priority for the country? \_\_\_\_\_ (If yes, proceed; If no, skip)
* Are there sites or networks with established protocols to collect and analyze the data need to evaluate clinical care (e.g., detailed clinical care and outcome data like complication rates, readmission rates, mortality)?
  + If there are data or systems available to support monitoring or assessment of this objective, which institutions or networks are responsible for collecting and maintaining these data?
    - Do monitoring data sources differ between public and private health facilities?
  + Which institution is responsible for reviewing data that would inform policies related to the use of this intervention?

**Objective 7: Monitor adverse events to vaccines and therapeutics**

* Is this objective a priority for the country? \_\_\_\_\_ (If yes, proceed; If no, skip)
* How do you capture national data to meet this objective (e.g., vaccine registries, adverse event monitoring systems)?
  + How might your response differ between populations receiving routine pediatric vaccines and other life course vaccines?
  + If there are data or systems available to support monitoring or assessment of this objective, which institutes or groups are responsible for collecting and maintaining these data?
    - If national data do not exist or are not available, what approach might you implement to collect the necessary information?
  + Which institution is responsible for reviewing data that would inform policies related to the use of this intervention?
* If you also rely on regional or global data to inform use of this intervention, what is the process for gathering relevant data and evidence to inform best practice?