

Demand and Readiness Tool for Assessing Data Sources in Health Information Systems (HIS DART)

MODULE 2:

Health Infrastructure Information System



This questionnaire with its corresponding instructions is one of 12 HIS data source assessment modules. The questionnaire is designed to capture information that informs health authorities and other stakeholders about the alignment of the HIS data source with relevant standards. The full series of assessment modules is available at <https://www.measureevaluation.org/resources/tools/dart/>.

For more information, see the corresponding data source module in Health Information System Strengthening: Standards and Best Practices for Data Sources, available here: <https://www.measureevaluation.org/resources/publications/tr-17-225>.

Module 2 Questionnaire: Health Infrastructure Information System			
No.	QUESTION	RESPONSE	SKIPS
1	Does [COUNTRY] have a listing of all health facilities in the country (i.e., a facility registry or master facility list [MFL])?	YES, COMPLETE LISTING YES, BUT NOT COMPLETE NO	1 2 3 SKIP TO END
2	A strong governance structure underpinning the MFL is necessary to ensure quality and completeness, dissemination and use, and institutionalization and sustainability. [COUNTRY] has a policy or other strategic framework that, at minimum: (a) designates a responsible entity, such as a government unit, academic group, or a steering committee, to lead the design and implementation of the MFL (b) defines the minimally required data elements in the MFL (c) defines procedures for updating the MFL	YES 1 1 1 NO 2 2 2 PARTIALLY 3 3 3	
3	Where is the MFL housed?	CENTRALIZED MINISTRY OF HEALTH 01 OTHER GOVERNMENT AGENCY 02 NON-GOVERNMENTAL AGENCY 03 OTHER 04 DECENTRALIZED MINISTRY OF HEALTH 11 OTHER GOVERNMENT AGENCY 12 NON-GOVERNMENTAL AGENCY 13 OTHER 14 FEDERATED MORE THAN ONE AGENCY 21	
4	The <u>signature domain</u> of the MFL should include a unique identification for each facility to (1) prevent duplication or omission of facilities from the list, and 2) allow for information to be compared over time and across data sources for individual facilities. Does [COUNTRY] assign a unique identifiers to each health facility?	YES NO	1 2 SKIP TO Q6
5	What type of coding system is it?	SERIAL NUMBERS INFORMATION BEARING CODES OTHER	1 2 3
6	Does the MFL include the following minimal data elements? (a) "Facility type," according to MOH's list of standard definitions for facility types that should cover all types of facilities in the country (b) "Facility ownership/management," according to MOH's standard definitions for facility ownership/management that should cover all facilities in the country (c) "Facility's administrative area," according to the official listing of administrative areas from the central statistical office or other official listing	YES 1 1 1 NO 2 2 2 NO STANDARD DEFINITIONS / LIST 3 3 3	
7	Does the MFL contain facilities' geographical location, in longitude and latitude?	YES NO	1 2
8	The <u>service domain</u> of the MFL should include a set of recommended data elements to provide fundamental information about the facility, such as types of health and medical services offered, types of health workers, and number of beds. Does the MFL database include, or link directly to, the following service domain data elements? (a) "Facility's core health services," according to a package of services related to a facility type, offered throughout the health system? (b) "Facility's core medical personnel," according to those defined by the country? (c) "Facility's number of inpatient beds/cots," exclusive of maternity beds? (d) "Facility's number of maternity beds?" (e) "Facility's basic amenities," according to national priorities (e.g., electricity, water source, sanitation conditions)? (f) "Facility's basic medical equipment," according to national priorities (e.g., electricity, water source, sanitation conditions)?	YES 1 1 1 1 NO 2 2 2 2 NO STANDARD DEFINITIONS / LIST 3 3 3 3	
9	Maintaining a full list of currently functioning facilities maximizes the value of the MFL. If new facilities are not entered, or those that are closed are not taken out, the list will not meet its purpose. Has the MFL been updated since it was first established?	YES NO	1 2 SKIP TO Q11
10	When was the MFL last updated?	UPDATED CONTINUOUSLY, IN REAL TIME UPDATED IN THE LAST TWO YEARS UPDATED MORE THAN TWO YEARS AGO NEVER UPDATED	1 2 3 4
11	What percentage of currently functioning public health facilities are in the MFL? RECORD A WHOLE NUMBER	PERCENTAGE <input type="text"/> <input type="text"/> <input type="text"/> %	
12	What percentage of currently functioning private health facilities are in the MFL? RECORD A WHOLE NUMBER	PERCENTAGE <input type="text"/> <input type="text"/> <input type="text"/> %	
13	Is the MFL maintained in an electronic format?	YES NO	1 2 SKIP TO Q15

14	What is the main electronic format in which the MFL is maintained?	ELECTRONIC SPREADSHEET MS EXCEL FILE 1 OTHER SPREADSHEET 2 DATABASE MANAGEMENT SYSTEM SQL DATABASE 3 MS ACCESS 4 OTHER DBMS 5 HMIS SOFTWARE DHIS2 6 OTHER HMIS 7 OTHER 8	
15	How readily available is the MFL to users?	READILY AVAILABLE 1 AVAILABLE ON REQUEST 2 NOT AVAILABLE 3	SKIP TO Q17
16	In what format is the MFL provided to users? In an electronic machine-editable format In an electronic uneditable format (e.g., PDF) In hard copy only	ELECTRONIC, EDITABLE 1 ELECTRONIC, NOT EDITABLE 2 HARD COPY ONLY 3	SKIP TO END SKIP TO END
17	Does the MFL have semantic interoperability with any other data systems?	YES 1 NO 2	SKIP TO END
18	Which data exchange standards are used? CIRCLE ALL THAT APPLY	AGGREGATED DATA EXCHANGE (ADX) A FAST HEALTHCARE INTEROPERABILITY RESOURCES (FHIR) B INTEGRATING HEALTHCARE ENTERPRISE (IHE) C DIGITAL IMAGING & COMMUNICATIONS IN MEDICINE (DICOM) D HEALTH LEVEL 7 (HL7) E OTHER F NONE G	
END			