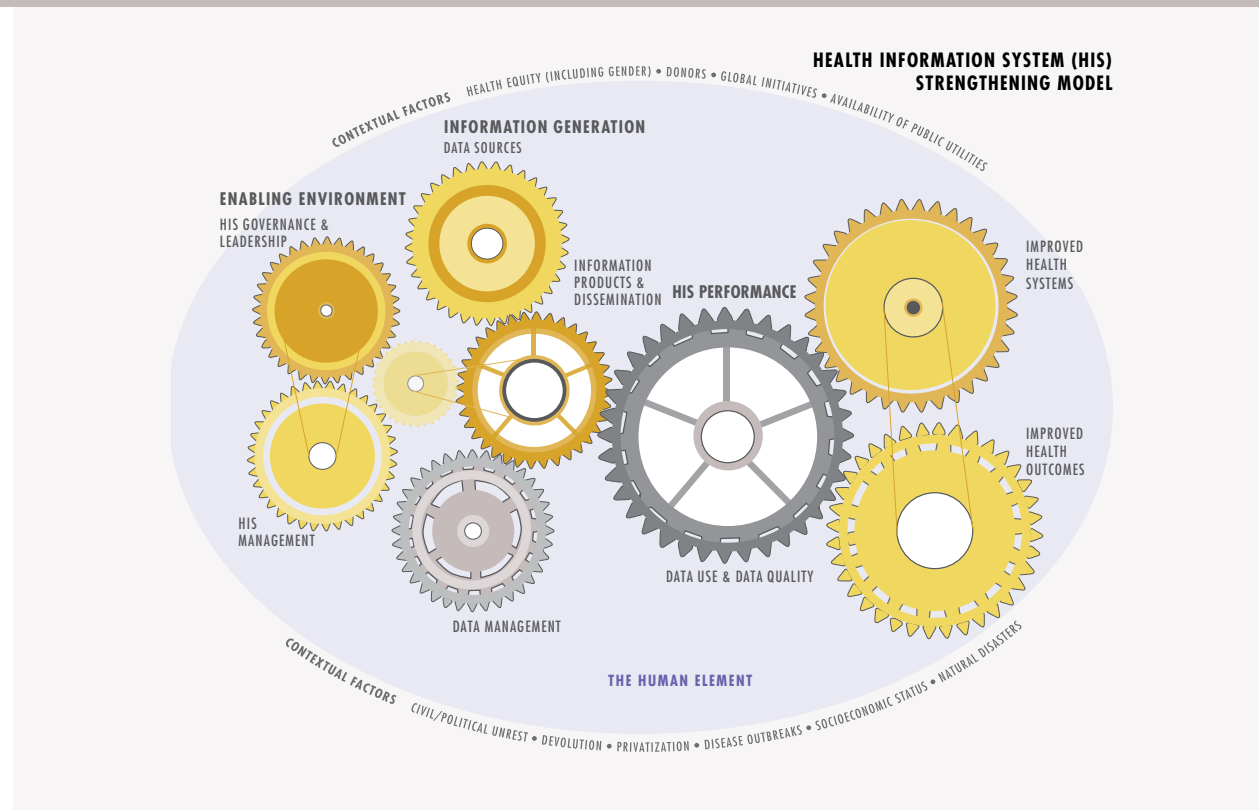


Strengthening Health Information Systems in Burundi

MEASURE Evaluation, funded by the United States Agency for International Development, has been working with the Ministry of Health (MOH) to strengthen Burundi's monitoring and evaluation system through integration of multiple siloed data collection systems for routine data, HIV/AIDS data, malaria data, and community-based data. Much of this work to integrate systems requires strengthening of elements of the health information system (HIS) identified in MEASURE Evaluation's [Health Information System Strengthening Model \(HISSM\)](#), shown at right.

For example, to build an enabling environment for a strong HIS—one of the HISSM's domains—MEASURE Evaluation convened key stakeholders to coordinate strategic planning and oversee HIS rollout, and develop guidance for health centers and hospitals implementing new data collection systems. To strengthen capacity to generate information (another of the model's domains), MEASURE Evaluation supported the piloting and rollout of the District Health Information Software, version 2 (DHIS2) platform—with modules for HIV/AIDS, malaria, and community-based information system data, to streamline data collection and management—along with tools to enable routine data quality reviews.

The graphic below depicts MEASURE Evaluation activities in the HISSM's enabling environment and information generation domains to improve the

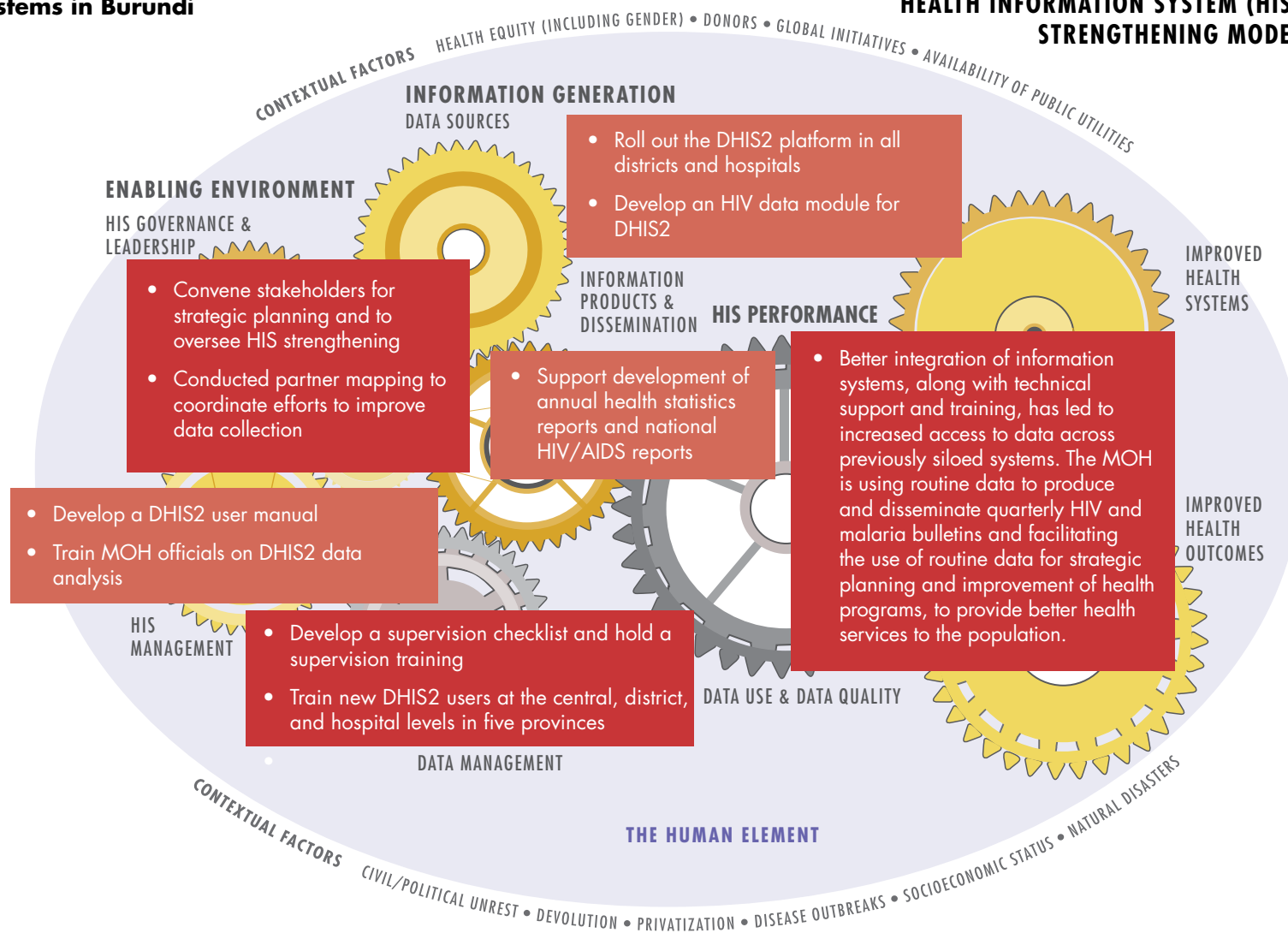


integration of Burundi's HIS and access to high-quality data. By displaying interventions across the model, we see their strategic interaction, and how this combination of interventions strengthens data quality and use at all levels of the health system. The table below the graphic lists additional MEASURE Evaluation activities that support HIS strengthening, by the year in which they began.

Because of these interventions, high-quality routine health data are available to inform programmatic and policy decisions in Burundi.

MEASURE Evaluation’s Work to Support Integrated Systems in Burundi

HEALTH INFORMATION SYSTEM (HIS) STRENGTHENING MODEL



MEASURE Evaluation's Other Health Information System Strengthening Work in Burundi						
HISSM areas	HISSM subareas (years)	Health information system strengthening activities				
		2015	2016	2017	2018	2019
Enabling environment	HIS governance and leadership	<ul style="list-style-type: none"> Establish a community-based information system (CBIS) technical working group (TWG) 	<ul style="list-style-type: none"> Hold a CBIS workshop for all implementing partners to streamline procedures and plan data collection, using the routine health information system Coordinate TWGs to provide technical assistance for health centers and hospitals 	<ul style="list-style-type: none"> Support the formation of a TWG on HIV drug resistance (HIVDR) surveillance Work with the HIVDR TWG to develop a protocol for assessment of early warning indicators Finalize a protocol for an epidemiological surveillance system for HIV data 	<ul style="list-style-type: none"> Support development of a national strategy on HIV drug resistance surveillance Support the National HIS TWG to assume oversight of data quality assurance activities nationwide 	<ul style="list-style-type: none"> Support finalization and validation of the National HIS Strategic Plan, HIV/STI Strategic Plan, Malaria Strategic Plan, and National Health Development Plan
	HIS management	<ul style="list-style-type: none"> Harmonize HIV indicators Train MOH officials to analyze DHIS2 data Conduct a training of trainers (TOT) on the German Social Science Infrastructure Services (GESIS) database for National AIDS Control Program (NACP) staff and train provincial-level staff 	<ul style="list-style-type: none"> Conduct TOT to support cascade trainings on work planning and monitoring and evaluation of HIV/AIDS Convene technical workshops to harmonize data collection tools for community-based indicators related to health programs, including HIV/AIDS 	<ul style="list-style-type: none"> Purchase and install a local server to support connectivity Develop a master facility list and health facility registry Harmonize malaria indicators Train National Malaria Control Program staff and their partners to use DHIS2 Hold a TOT on data quality reviews for malaria data 	<ul style="list-style-type: none"> Conduct TOT for central-level NACP staff to map entry points for priority HIV testing locations Conduct training for central-level NACP staff on HIV data analysis and interpretation using the DHIS2 Support development of national data quality review (DQR) strategic plan and capacity building plan 	<ul style="list-style-type: none"> Conduct TOT for central-level NACP staff on DQR of HIV data Support finalization and validation of a national data quality improvement plan
Information generation	Data sources			<ul style="list-style-type: none"> Configure CBIS indicators in DHIS2 Configure in DHIS2 Burundi's indicators for malaria intermittent preventive treatment in pregnancy 		

MEASURE Evaluation's Other Health Information System Strengthening Work in Burundi						
HISSM areas	HISSM subareas (gears)	Health information system strengthening activities				
		2015	2016	2017	2018	2019
Information generation	Information products and dissemination				<ul style="list-style-type: none"> Develop a DHIS2 dashboard for viewing and analyzing malaria data Support development of an annual report on early warning indicator data Support development of quarterly HIS bulletins 	<ul style="list-style-type: none"> Develop DHIS2 dashboard for viewing and analyzing data on HIV testing and treatment Support development of HIV bulletins Support development of an annual HIV sentinel surveillance report
	Data management		<ul style="list-style-type: none"> Collaborate with UNICEF to provide supportive supervision for HIV/AIDS data quality and data management Train data managers to update and use DHIS2 Lead data validation trainings for district-level staff 	<ul style="list-style-type: none"> Perform ongoing maintenance and updates in the HIV database 	<ul style="list-style-type: none"> Adapt data quality review tools Support district-level data quality review and data review and validation meetings for malaria data Support district data managers to conduct supportive supervision at health facilities 	<ul style="list-style-type: none"> Support development of operational plans for priority HIV activities at the provincial, district, and health facility levels Update the provincial data review and validation manual Conduct supportive supervision visits and data quality reviews at health facilities Support development of guidelines for monthly HIV reporting and HIV data analysis Support development of guidelines for early warning indicator collection and analysis