





Status of data on health in EMR countries



WHO strategies: enhancing information systems for health



WHO strategies: fostering digital health



WHO strategies: institutionalization of evidence-informed decision making





WHO report on the progress on health-related SDGs in EMR countries, 2023

- Presents progress on the health-related SDGs in the EMR
- Complements the Regional health profile
- Slow progress to achieve health related SDGs
- Lack of adequate data at national level to assess priorities, and evaluation impact
- https://applications.emro.who.int/docs/ /9789292742126-eng.pdf

Progress on the health-related Sustainable Development Goals and targets in the Eastern Mediterranean Region, 2023
2nd progress report

SUSTAINABLE DEVELOPMENT GOALS

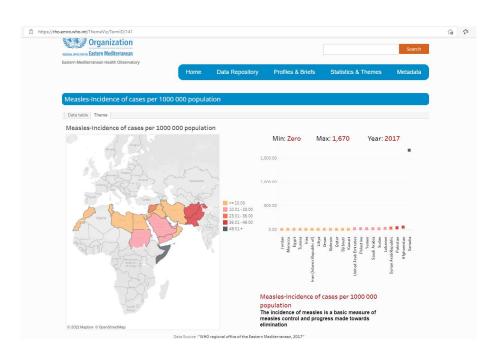
World Health Organization Eastern Mediterranean Region



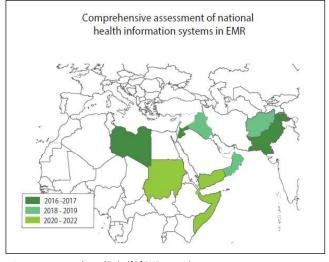
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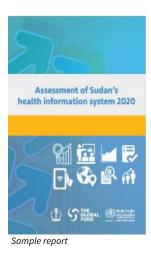




Comprehensive national HIS assessment - a key strategy to support countries address data gaps







Assessments conducted in half of EMR countries

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Key challenges from comprehensive assessments of HIS in EMR countries

Strengthening is required in all areas assessed

Policies, regulations and use of data

- Review of related laws, regulations and coordination mechanisms
- · Lack of functioning national HIS coordinating mechanisms
- · Infrastructure and retention of capable human resources
- · Strengthening institutional analytical capacity in MoHs
- · Enhancing use of national health observatory

Routine facility and community reporting systems

- · Commitment to an integrated health management information system
- Inadequacy of disease surveillance systems
 - Limited examples of effective disease surveillance systems
- Chronic infrastructure issues (IT, computers, electricity, ...) affecting many lowand middle-income countries
- Lack of reverse reporting of the data to the facilities and community
- Data linkage issues and challenges

Household surveys and health facility surveys

- · Ad-hoc nature of many national household and facility surveys
- · Use of existing

Civil registration and vital statistics system

- updated death registration is a positive development coordination outside MoH is the key
- Clinicians' capacity in ICD compliant certification of death
- Training of coders on coding and analysis of mortality data



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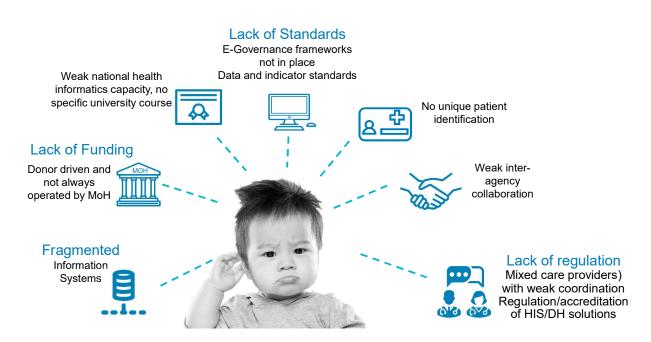
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WHO approaches for enhancing products on health information systems in the Region Improving CRVS systems & Cause of Death certification and reporting Improving ICHI **EMR** core indicators **Electronic Health** framework Records and data (including SDG linkages indicators) **EMR** initiatives to improve country Hospital HMIS Data health data Infrastructure managem and support Effective systems and standards Improving household Quality Dissemination Integrated Disease Improving routine health information systems and facility surveys and survey data assurance and data use Surveillance System For: Routine sources of data (patient and anagement records), population surveys and other (non-health sector) sources of data Forecasting and modelling progress toward UHC and "triple billion"

Addressing the key issues

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outcomes

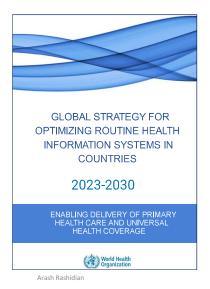


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Selected WHO products on health information systems

Presents:

- Vision, purpose, strategic goals & principles
- Overview of 5 strategic objectives/actions
- Modality for country support

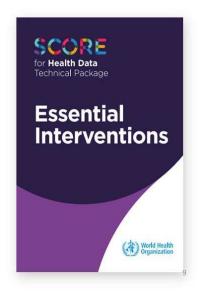


Collection of tools and standards that can be used to improve the health information system. Online database:

https://www.who.int/data/datacollection-tools/score/tools



The rationale behind SCORE, SCORE Indicators and actions that need to be taken to have a sustainable health information system



Enhancing digital health and digitalization of HIS



Digital health governance

- Norms & standards
- Evidence generation
- Mechanisms (laws, ethics, etc.)



o→ Digital health strategies

- Situation analysis, action plans, road
- Digital health architecture and indicators
- Inventory of digital solutions



Enabling peoplecentred health systems

- Priorities for action
- Public health and clinical interventions
- Health promotion interventions
- Monitoring trends



Collaboration for digital health

- National and international stakeholders
- Collaborative structures and activities



The Enabling Environment





Strategy and Investment

Services and Applications



Standards and Interoperability



Infrastructure



Legislation, Policy, and **Compliance**



Workforce



Source: National eHealth strategy toolkit

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Artificial intelligence: promises and opportunities for health objectives



Drug development



Evidence-Informed **Policy-Making**



Service delivery and quality



Population need identification and targeting



Data verification and fraud detection



Research efficiency and timeliness



Human resource capacity and management

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Enable: WHO Normative guidance



Ethics and Governance of Artificial Intelligence for Health



Generating Evidence for Artificial Intelligence-based



Medical Devices



Regulatory Considerations on Artificial Intelligence for Health



WHO Online introductory course on Ethics and governance of AI for health





Using Artificial Intelligence for evidence-informed policy-making for health

- Lessons learnt during COVID-19 pandemic
- 3 key innovations to provide better evidence support for policy-making:
- The expansion and streamlining of "living evidence" and "living guidance" approaches
- Enhanced use of digital technologies and AI for rapid contextualized evidence syntheses
- Expanded use of a 'general contractor' model of evidence support

Regional action plan Ad hoc Health technology studies, monitoring & evaluation Evidence-**Informed** policymaking Guideline National development adaptation information systems https://applications.emro.who.int/docs/9 789290229124-eng.pdf WHO EMR strategy for

institutionalizing evidence-informed policy-making for health in EMR

countries

See: Lavis JN, Kheirandish M, Al-Ansary L, Basaleem H, Hajjeh R, Al-Mandhari A, Rashidian A. Next generation support and stronger institutions for evidence-informed policy-making. East Mediterr Health J. 2023;29(7):495— 497. https://doi.org/10.26719/2023.29.7.495

Country focused priorities (2024-2025)

Strategic area	AFG	ВАН		EGY	IRN	IRQ	JOR	KUW	LEB	ΠY	MOR	oPT	OMN	PAK	QAT	SAA	SOM	SUD	SYR	TUN	UAE	YEM
 Support the development and enhancing of national health information systems (including HIS action plans) 	х		х	х	х				х	Х			Х		х		х	Х	х	х		Х
Enhancing cause of death registration and data quality assessment		Х			Х		Х		Х	Х			Х	Х		Х	Х		Х	Х	Х	Х
Technical capacity building on analysis of routine health information system	х	х				х		х		Х			Х				Х	х	х		х	Х
 Supporting PHC and community information systems and integrated disease surveillance including DHIS2 	х		х		Х	Х	Х	Х		Х				Х			Х	Х				Х
Hospital information system improvement	Х							Х											Х			
Enhancing data standards and quality including ICD-10, ICD-11, ICHI	х	х	х		Х		х	Х	Х	Х			Х	Х		Х	Х		Х	Х		
 Technical capacity building and support for enhancing national health observatories 							х		Х													
Support for reporting and analysis of national key indicators	Х						Х		Х			Х					Х					Х
 Support the implementation and analysis of household and facility surveys 					Х			Х			Х			Х			Х	Х		Х		
 Reporting on SDGs and key indicators and development of profiles and briefs 	х				Х	х	х								х				Х	Х		
 Supporting delivery for impact to achieve measurable results through efficient and effective planning and implementation 	х	х		Х	Х		Х	Х						Х							Х	
Enhancing national strategies and capacities for digital health at regional and national levels		х	х	Х			х	Х	Х		Х	Х	Х			Х				Х	Х	

