

Committee for Economic and Commercial Cooperation of the Organization of Islamic Countries

Maternal and Child Mortality in OIC Countries: Progress Towards 2030

Lessons Learnt from the Selected Case Studies and the Policy Options

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Case-country studies

- Four countries
 - Bangladesh
 - Cote d'Ivoire
 - Indonesia
 - Iraq



Selection criteria

- Country's track record of progress in maternal and U5 mortality reduction.
- The selected countries represent both stories of success as well as the lack of accomplishments
- Country's absolute numbers of maternal and U5 deaths are high
- Availability of national data for conducting analyses
- High inequity in health care and mortality rates
- At least one is a Francophonic country
- At least one Middle East country with poor MNCH indicators



Methods

- Desk reviews
- Quantitative data analysis
 - Demographic and Health Surveys (DHS)
 - Multiple Indicator Cluster Surveys (MICS)
 - Global Health Expenditure Database (GHED)
- Qualitative study
 - In-depth interviews of stakeholders
 - government officials (Ministry of Health, Ministry of Planning and Financing), UN Organization officials (UNICEF/UNFPA), donor agencies, NGO and public health research organizations/institutions, and faculty/scientists at universities who are experts in MNCH field



Bangladesh

- 8th largest populous country in the world with 1140 peoples per square kilometer
- · One of the highest population densities in the world
- Maternal mortality has reduced from 322 deaths per 100 000 live births in 1998–2001 to 194 deaths per 100 000 live births in 2007–10, amounting to a 5.6% reduction per annum compared to the global figure of 2.6%.
- U5 mortality rate has declined from 94 deaths per 1000 livebirths in 1999-2000 to 46 deaths in 2014.

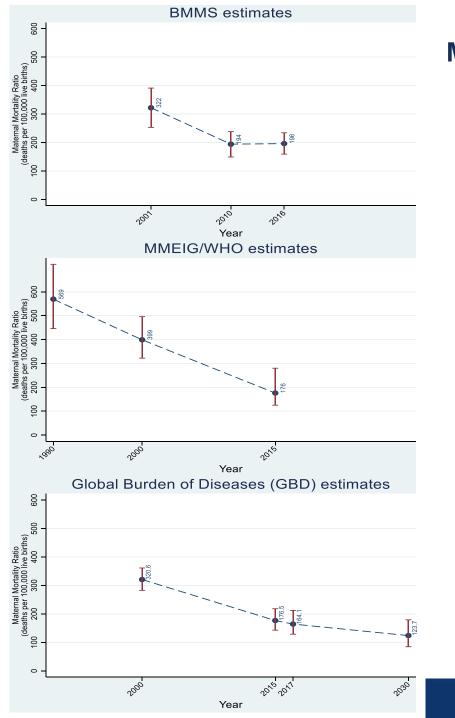




World Bank national accounts data, and OECD National Accounts data files. License : CC BY-4.0 ①

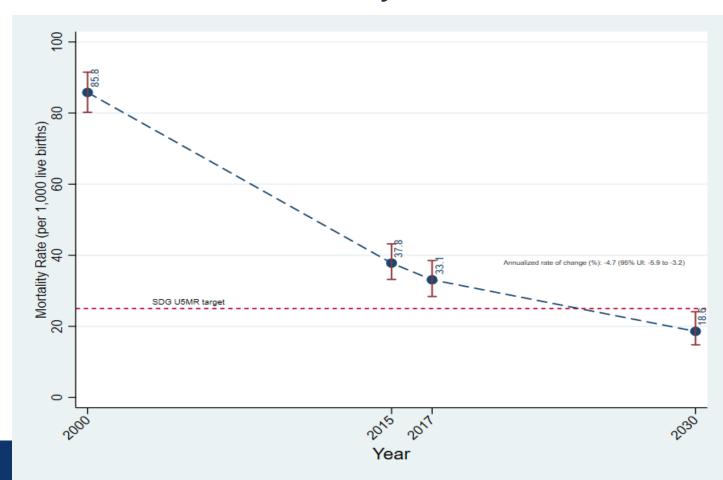




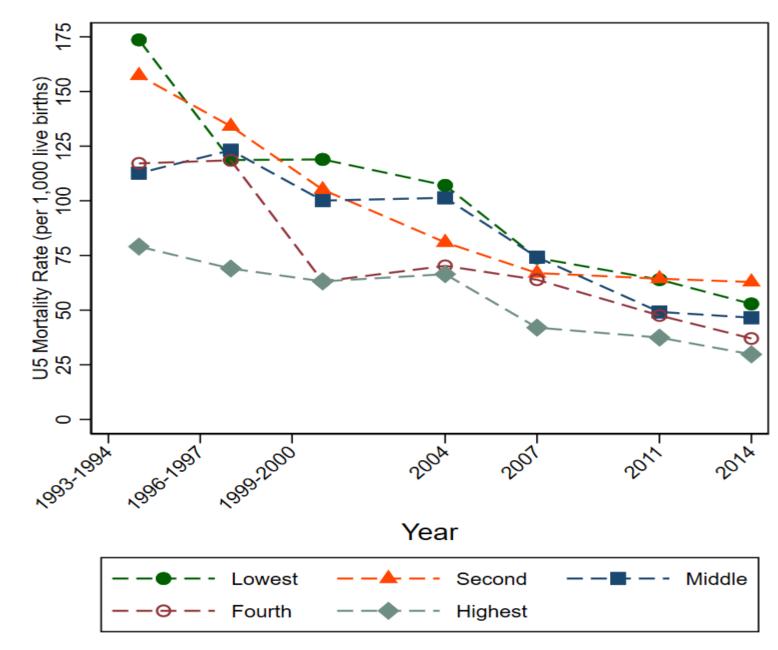


Maternal mortality

Under-five child mortality



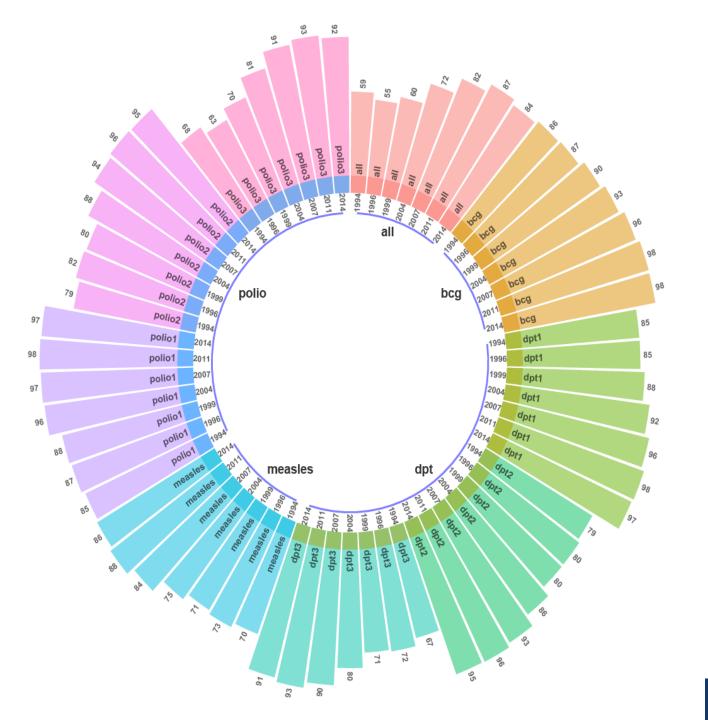
Under-5 Mortality



Reduced inequity in child mortality



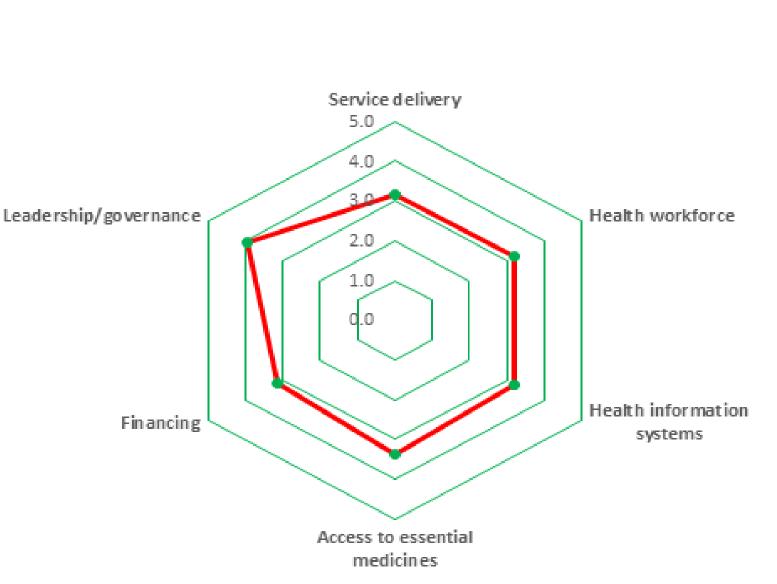
Immunization coverage has increased impressively



Results from In-depth Interviews

Perceived least functional health system building blocks, Bangladesh (Score:

- $\hat{1}$ = Best functioning;
- 2= Better functioning;
- 3= functioning well;
- 4= Somewhat functioning;
- 5= worst / not functioning)

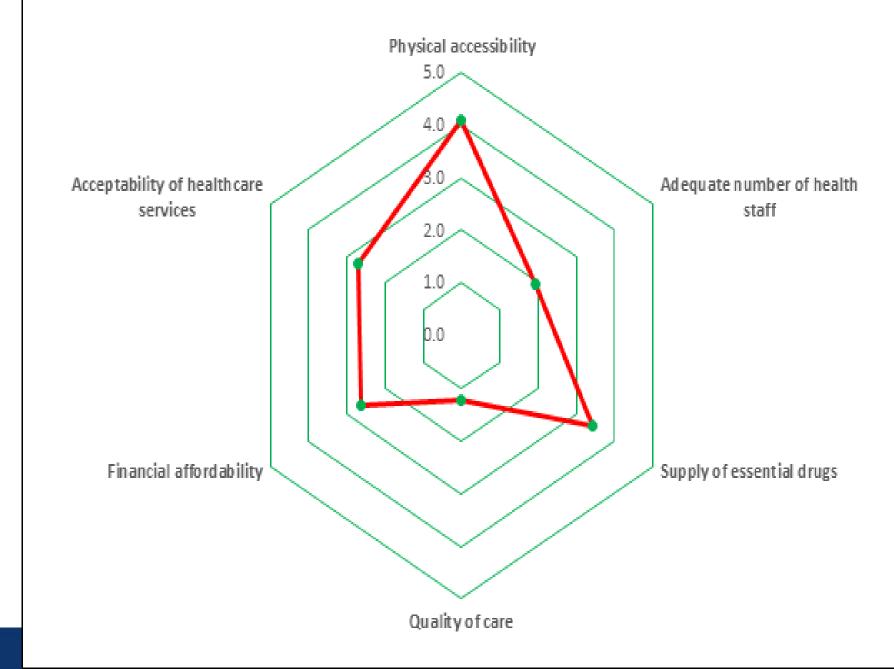




Barriers to accessing MNCH services, Bangladesh

(1= Most significant barrier; 2= Second most significant barrier; 3= Moderate barrier; 4= Somewhat of a barrier; 5= Not a barrier)

Bangladesh: Barriers to assessing MNCH services





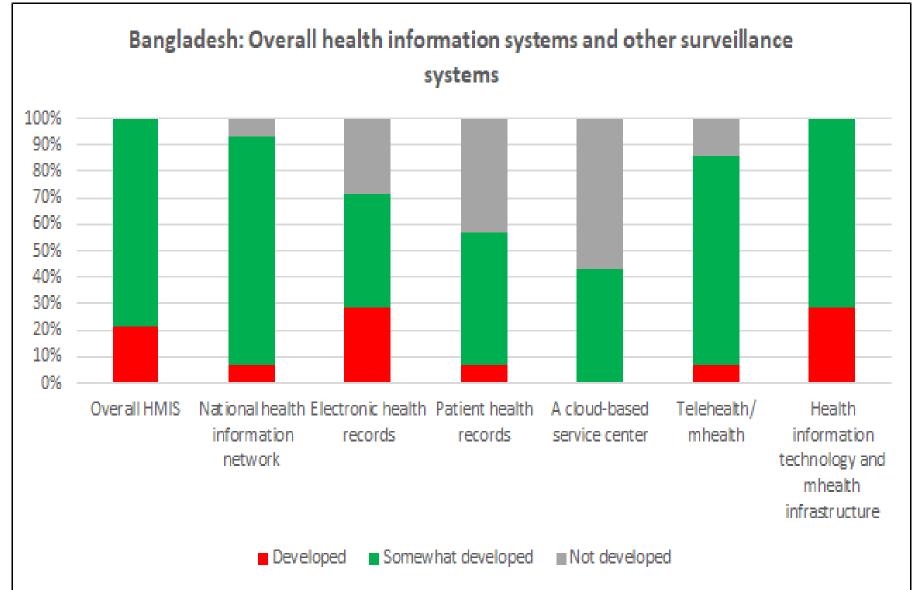
Barriers that prevent families from seeking delivery care from SBA or facility, Bangladesh

(1= Most significant barrier;
2= Second most significant barrier;
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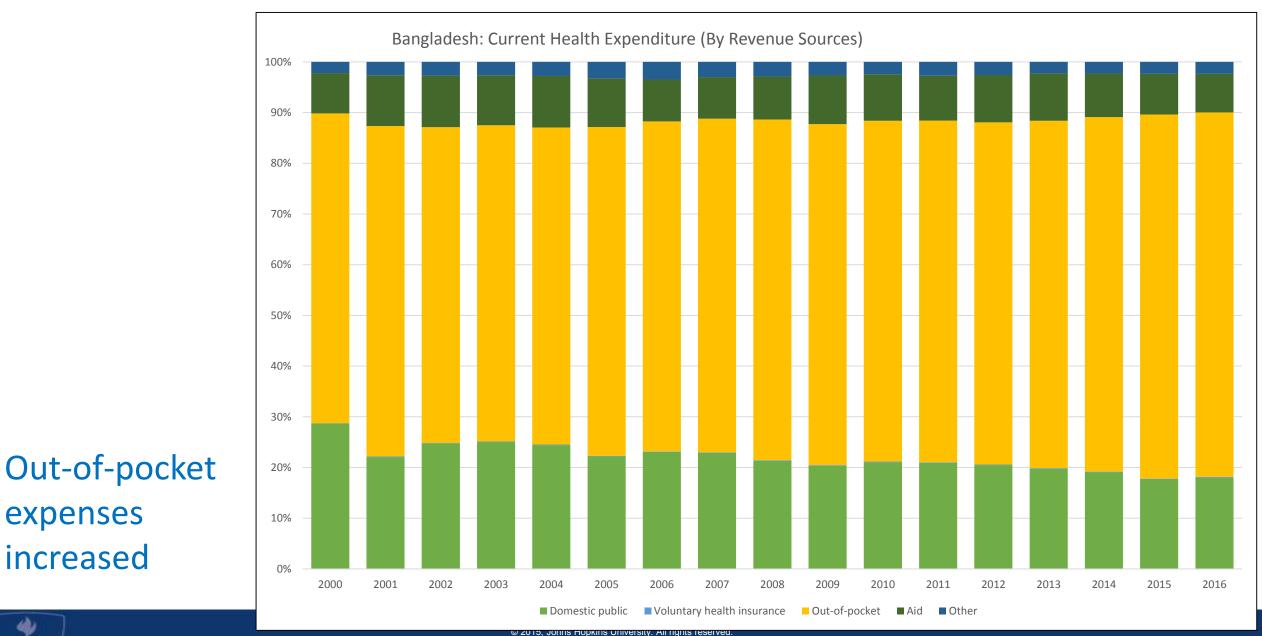
Bangladesh: Barriers that prevent families from seeking delivery care from SBA or facility Physical accessibility 5.0 4.0 Acceptability of healthcare Adequate number of health services staff $_{-0}$ Financial affordability Supply of essential drugs Quality of care



Overall health information systems and other surveillance systems, Bangladesh



Current health Expenditure by revenue sources





expenses

increased

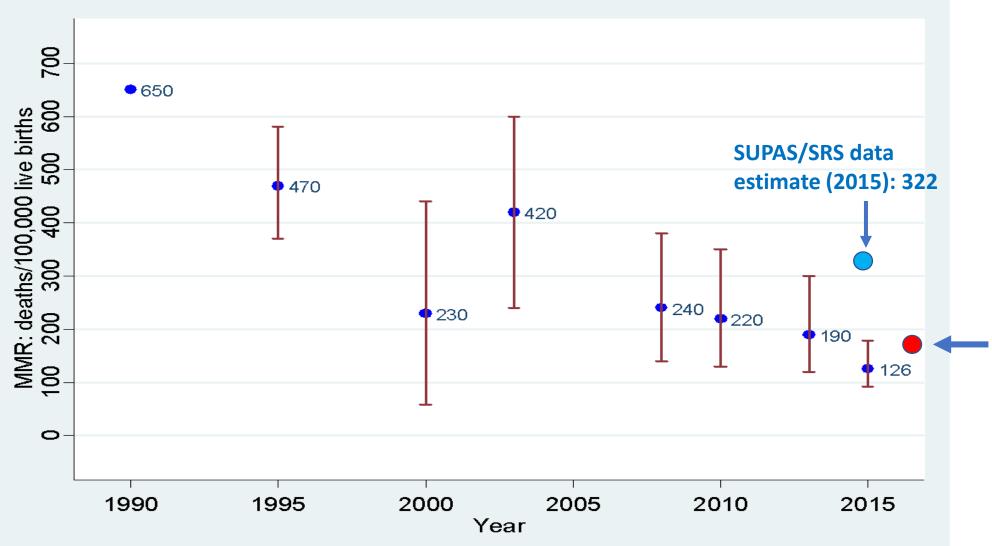


Indonesia

- Indonesia has made remarkable progress in improving economic, social, and many health indicators in recent years:
 - Gross domestic product increased from US \$440 billion to \$970 billion between 1990 and 2015, with almost 5% annual growth rate;
 - The female literacy rate is 98%
 - Skilled birth attendance rate increased to 83% by 2012
 - The total fertility rate reduced from 5.57 to 2.45 between 1970 and 2015.
 - The poverty level (\$1.90 per day) reached an all-time low of 6.8% in 2016
- Indonesia has one of the highest maternal mortality ratios in Southeast Asia



MMEIG/WHO estimates of maternal mortality ratios in Indonesia

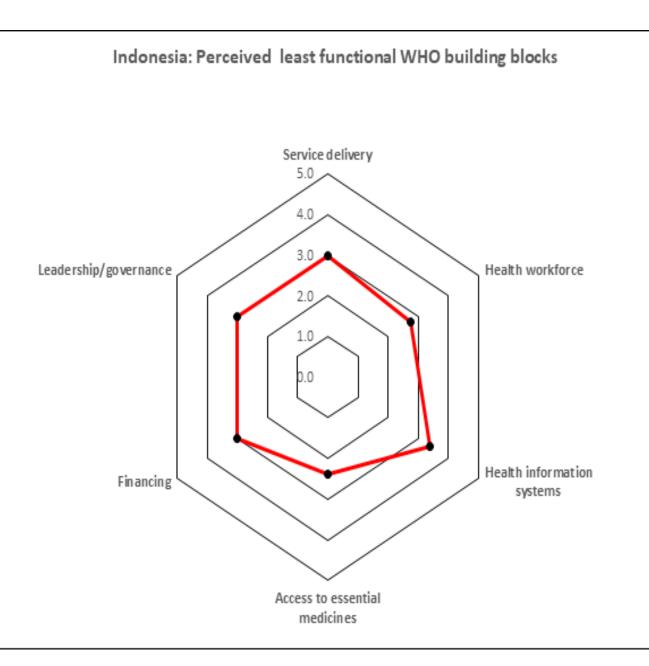


The most recent MMEIG/WHO report (September 19, 2019) has revised the MMR estimate in Indonesia to 177 in 2017



Stakeholders' perceived least functional health system building blocks, Indonesia

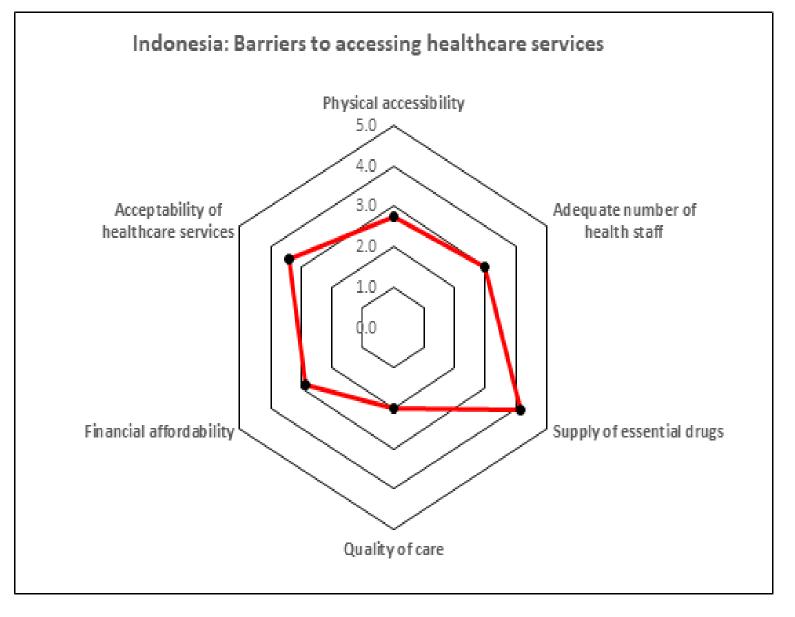
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Barriers to accessing healthcare services, Indonesia

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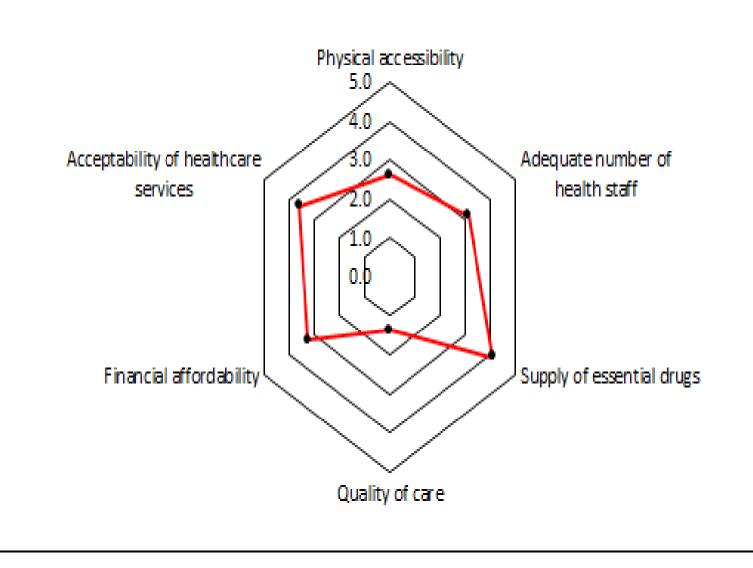




Barriers to assessing MNCH services, Indonesia

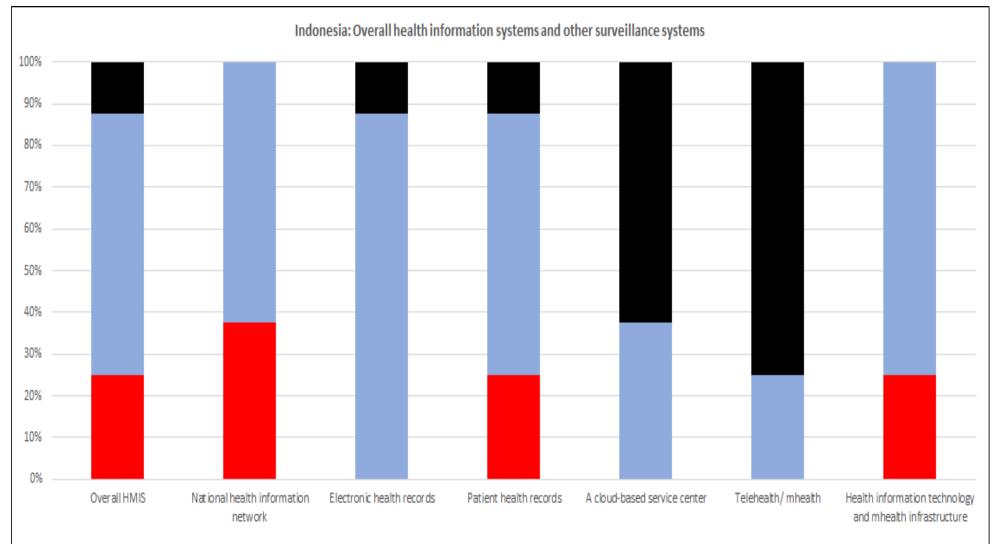
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Indonesia: Barriers to assessing MNCH services



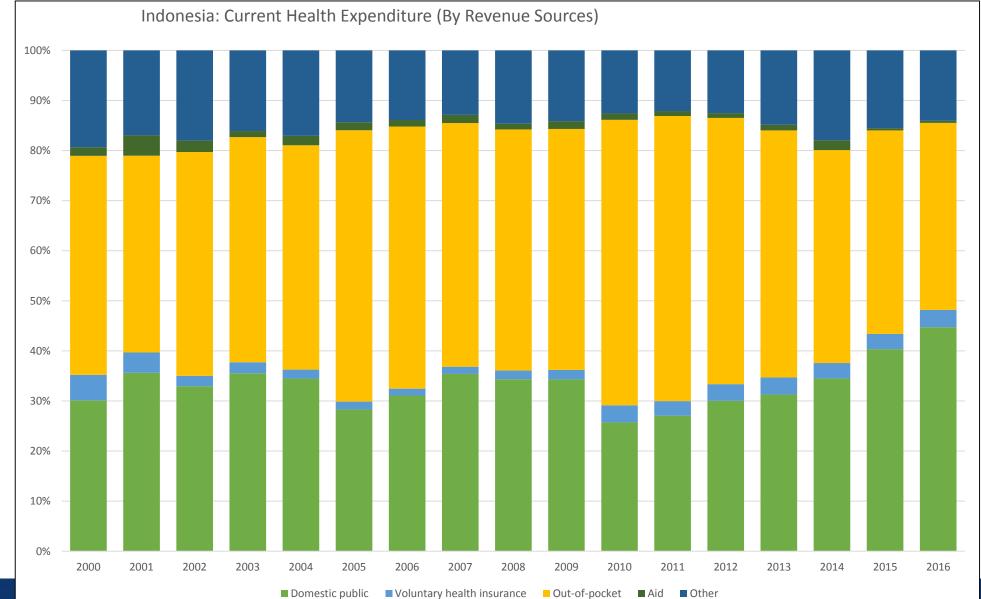


Overall health information systems and other surveillance systems situation in Indonesia





Current health Expenditure by revenue sources



Out-ofpocket expenses decreased in recent period





Cote d'Ivoire

- The country was ranked 170 out of 189 countries in the 2017 Human Development Index.
- In 2014, the total population of the country was approximately 22.7 million
- The population is very young with 41.8% aged 0-14 years.
- The adult literacy rate among the female population 15+ years slightly decreased from 38.6% in 2000 to 36.8% in 2014.
- The use of modern contraceptives remains relatively low: 25.0% of women use contraceptives to space or limit births and 21.0 % use a modern method.
- The Total Fertility Rate, or the average number of children per woman over the course of her lifetime reduced from 6.6 children in 1990 to 5.1 children per woman in 2015.



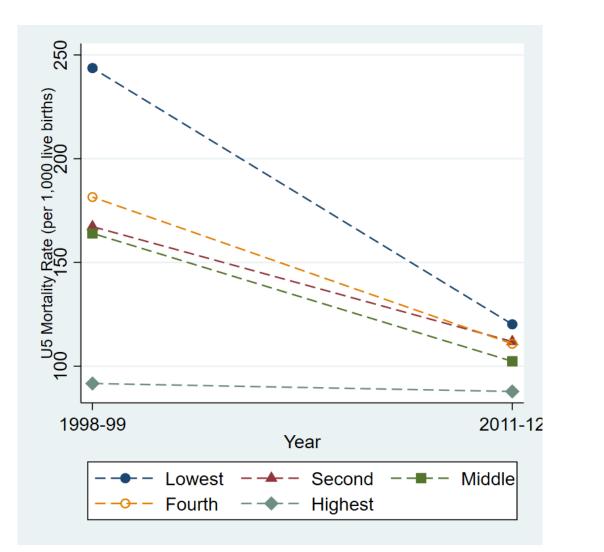
Maternal mortality

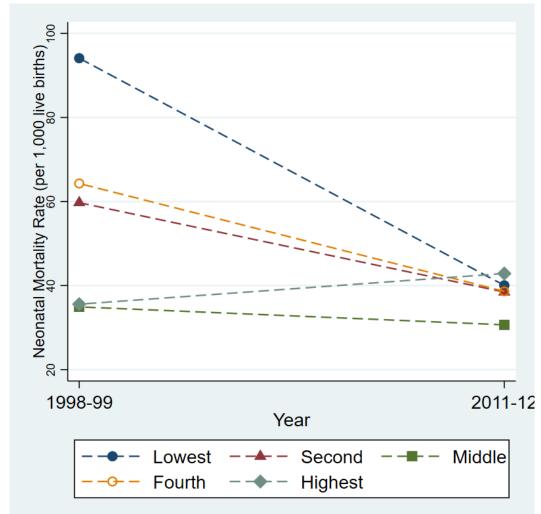
- The country has made little progress in combating maternal mortality
- MMR reduced from 745 in 1990 to 645 deaths per 100,000 live births in 2015,
 - an improvement of 13.4% in 25 years compared to 44% worldwide (during the same period
- The newly released MMEIG/WHO estimate (September 19, 2019) shows MMR of 617 in Cote d'Ivoire for 2017.



Under-5 mortality

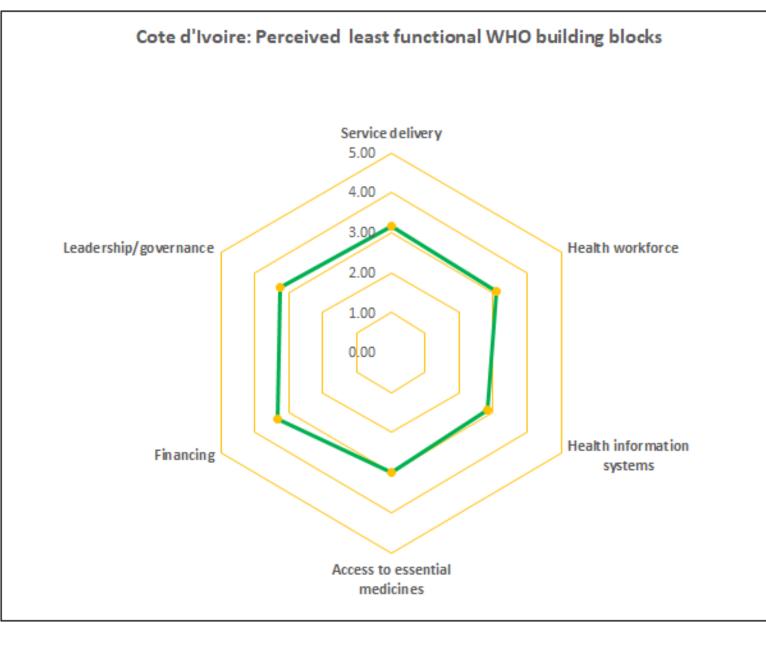
Neonatal Mortality





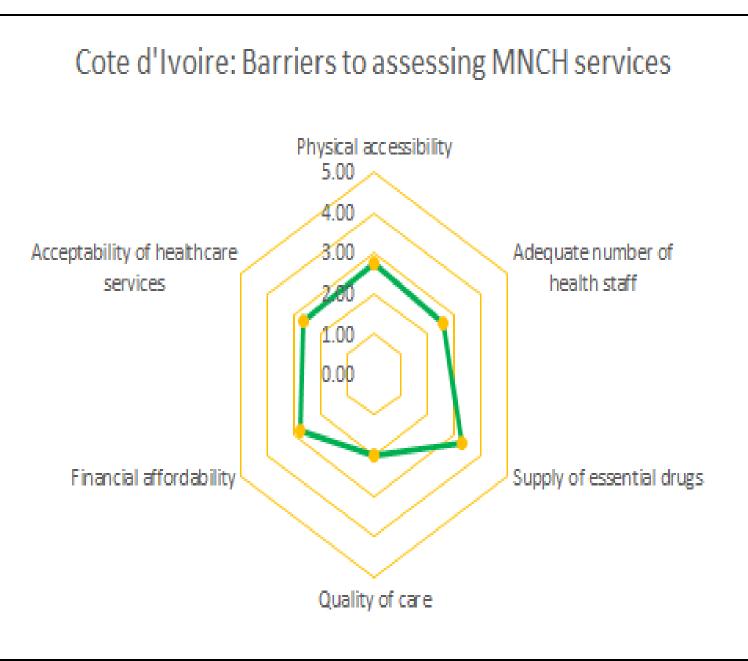
Perceived least functional health system building blocks, Côte d'Ivoire

(1= Best functioning
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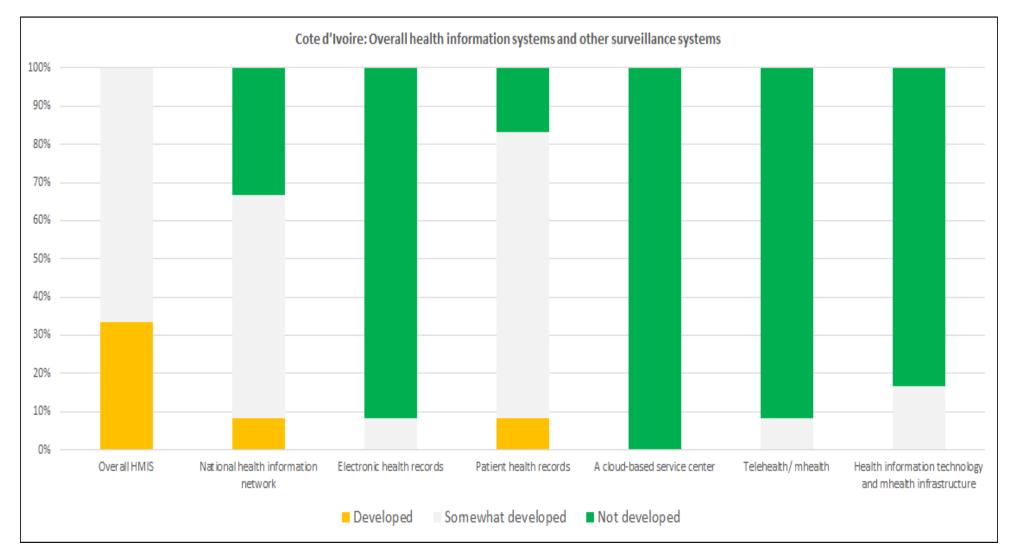


Barriers to accessing **MNCH** services, Côte d'Ivoire (1= Most significant barrier; 2= Second most significant barrier; 3= Moderate barrier; 4= Somewhat of a barrier; 5= Not a barrier)





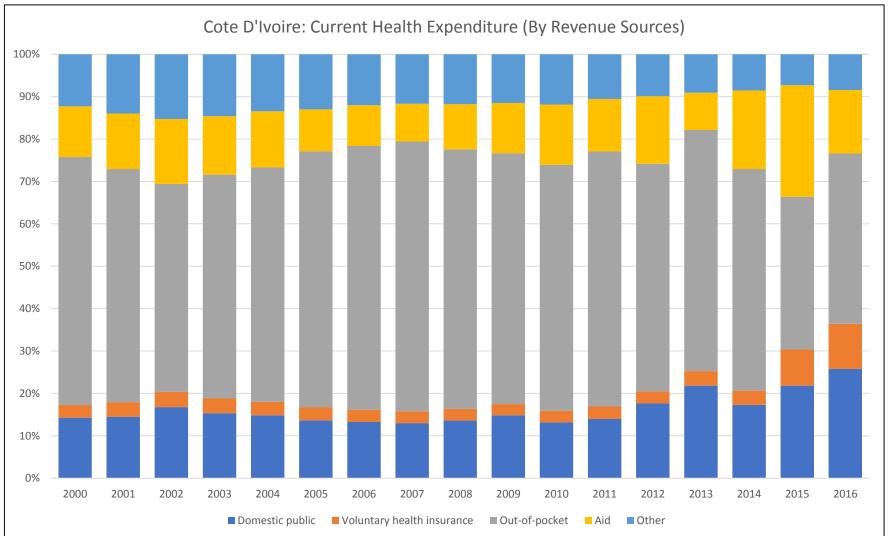
Overall health information systems and other surveillance systems situation in Côte d'Ivoire





Current health Expenditure by revenue sources

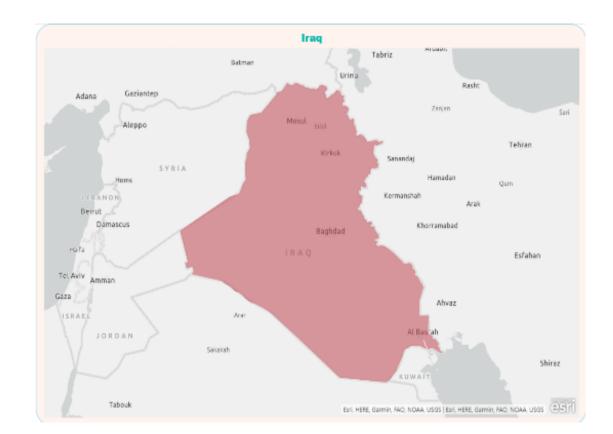
- Government spending increasing
- Health insurance increasing
- Out-of-pocket expenses for health care is decreasing





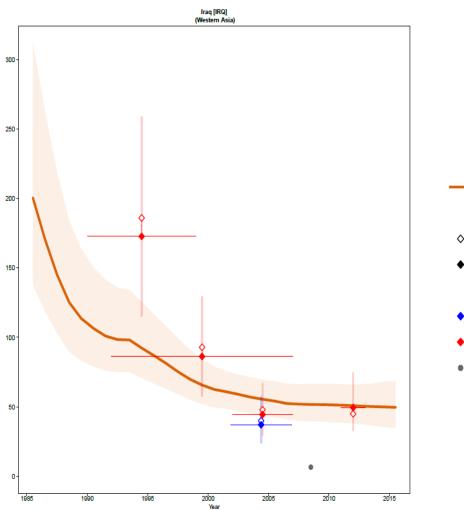
Iraq

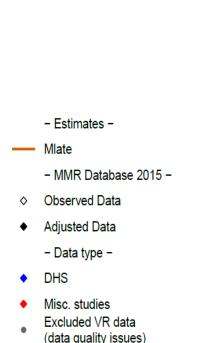
- Among all Middle East countries, Iraq has one of the lowest GDP level
- However, the country is resilient:
 - Child mortality is relatively low





Materanal mortality ratios



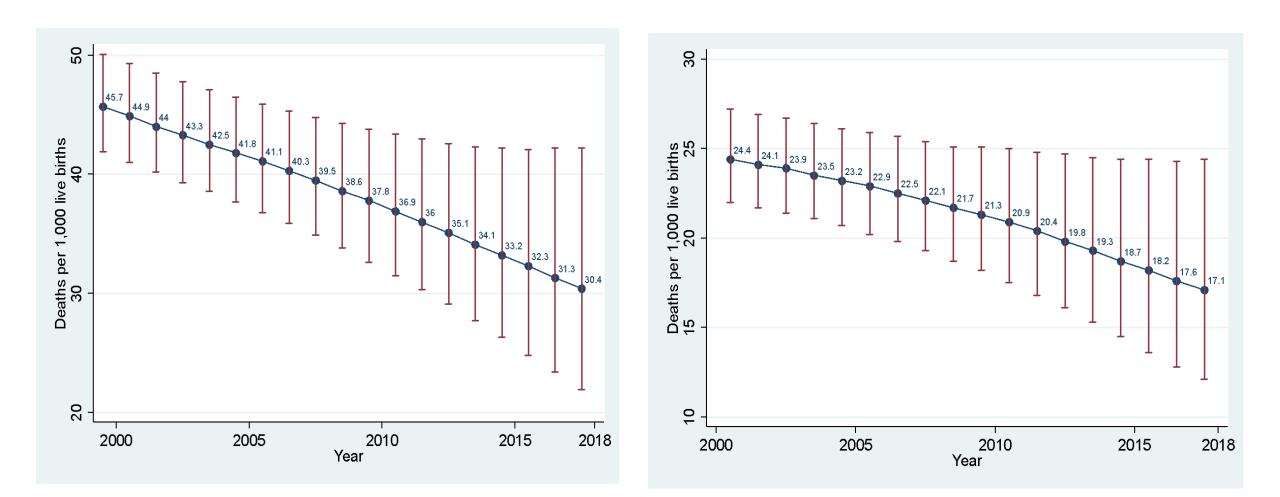


The most recent MMEIG/WHO estimates (September 19, 2019), suggest that maternal mortality has not reduced in Iraq between 2000 and 2017. The estimated MMRs: 79 in 2000, 127 in 2005, 83 in 2015, 79 in 2017.



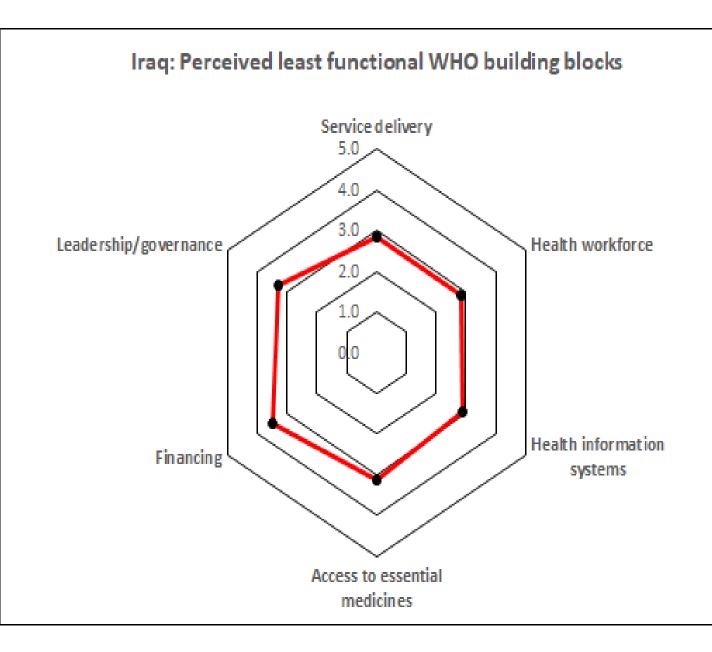
Under-five mortality rates

Neonatal mortality rates



Stakeholders' perceived least functional health system building blocks, Iraq

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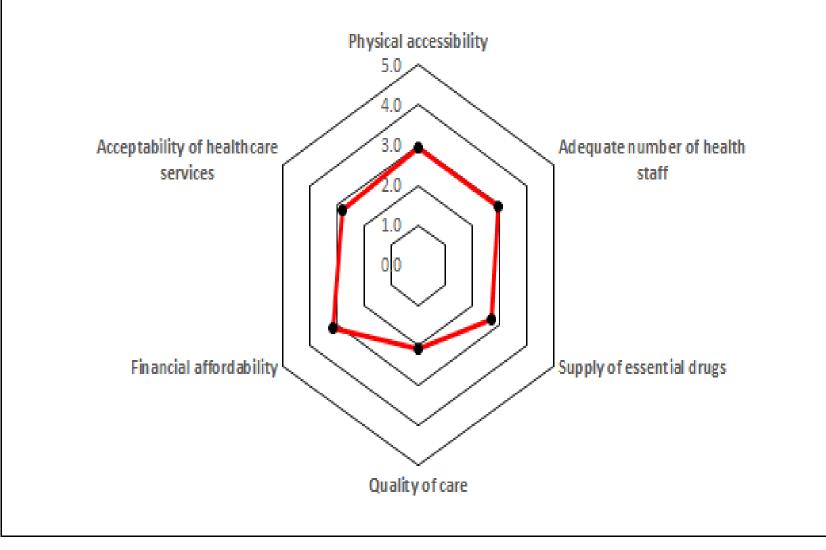




Barriers that prevent families from seeking delivery care from MNCH services, Iraq

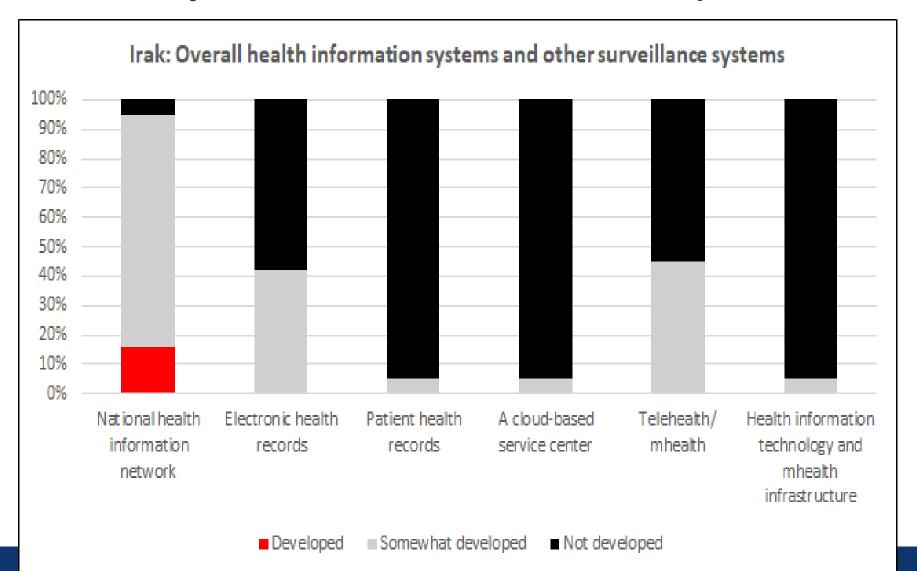
(1= Most significant barrier; 2= Second most significant barrier; 3= Moderate barrier; 4= Somewhat of a barrier; 5= Not a barrier)

Iraq: Barriers to assessing MNCH services





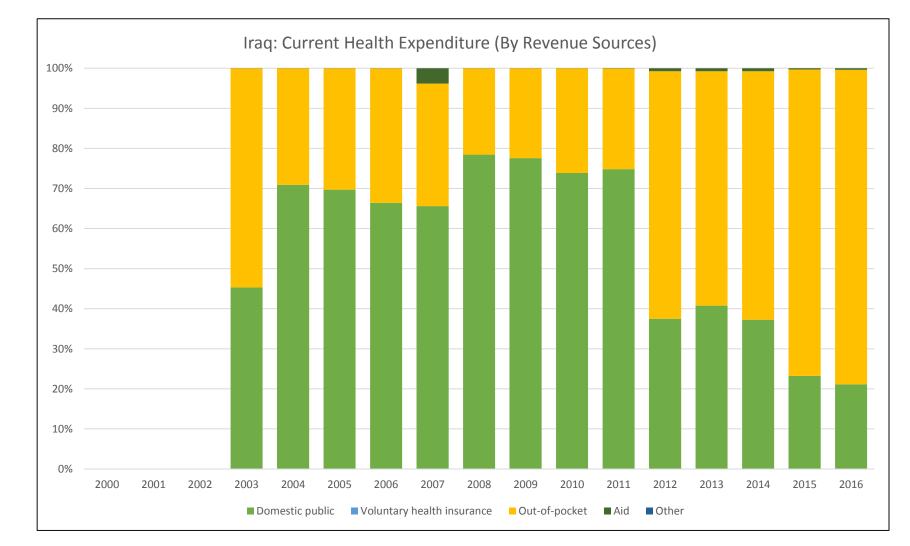
Overall health information systems and other surveillance systems situation in Iraq



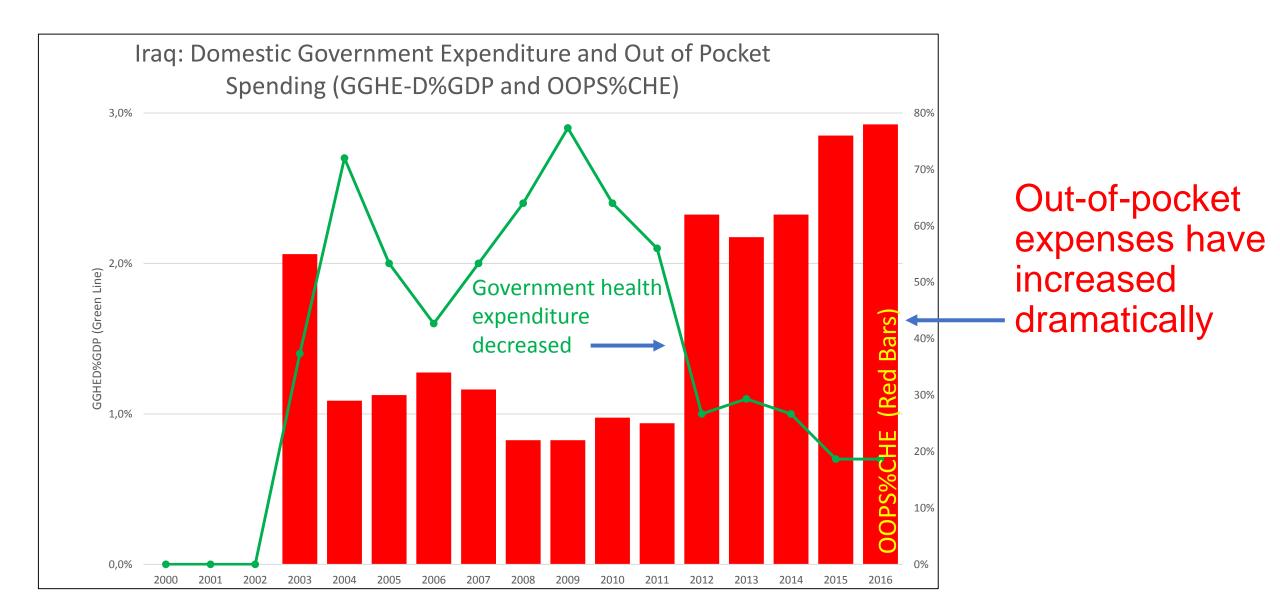


Current health Expenditure by revenue sources

Out-ofpocket expenses have increased dramatically in Iraq









Lessons learned

- MNCH care inequities are very high in many OIC countries
- Quality of Care is considered a major problem and a prominent barrier to accessing healthcare services
- While leadership is strong and policies have been enacted to improve MNCH, governance to monitor and enforce the policies seems to be lacking
- Adequate governance and monitoring of health centers and hospitals are needed to keep providers accountable
- Health information systems are in place and functional, but the coverage and data utilizations are low



Recommendations

- Improve health system functioning and quality of care through accountability, training, practice of recommended standard of care protocols, regular monitoring of standards, and good governance.
- Reduce inequity in maternal and child health care and reduce barriers to accessing care through targeted intervention programs for reaching vulnerable, poor, less educated and rural populations. Health insurance programs also help in reducing out of pocket expenses and may increase access to care
- Improve FP access and contraceptive use through an integrated approach, especially in sub-Saharan African OIC countries, where maternal and child mortality levels are high despite high rates of facility deliveries. These countries have low contraceptive prevalence rates.
- Improve health information management systems through investment and appropriate policies on improving routine data collection, systematic timely reporting, full coverage and data utilization



Questions?