13th Annual Meeting
Measles & Rubella Initiative
American Red Cross National Headquarters
Washington, DC, 9-10 September 2014

Update on the situation of
the Eastern Mediterranean Region

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WHO/EMRO
Regional Measles and Rubella Goals

• **Measles elimination from all countries by 2015**
  

• **No regional target for rubella/CRS elimination**
  
  – RTAG meeting November 2013: recommended developing regional rubella/CRS elimination target by 2020
  
  – Elimination target established in 15 countries
Reported Measles cases and MCV1 coverage in the EMR, 1980- June 2014

- Catch up campaigns in all countries
- Follow up SIAs in several countries
- 81% reduction in reported measles cases 1998-2014 June with improved surveillance

Source: WHO UNICEF estimates, JRF reported data
Cases 2013: country reports to EMRO
MCV1 coverage WHO UNICEF estimates, and number of countries reaching > 90% coverage. 2001 – 2013. (N=22)
Palestine

Bahrain

MCV2 introduction into routine EPI in Countries of the EMR 2013

- MCV2 already in EPI schedule (21)
- No MCV2 introduction plans currently (1)
- AFR countries
### SIAs done in 2013 in the EMR

<table>
<thead>
<tr>
<th>Country</th>
<th>Vaccine</th>
<th>Target Age</th>
<th>Admin Cov</th>
<th>Survey Cov</th>
<th>Independent Review</th>
<th>Other Intervention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afghanistan</td>
<td>M</td>
<td>9 - 59 M</td>
<td>85%</td>
<td></td>
<td></td>
<td>Penta, BCG</td>
</tr>
<tr>
<td>Lebanon</td>
<td>M</td>
<td>9 M - 18 Y</td>
<td>85%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lebanon</td>
<td>M</td>
<td>9 M - 14 Y</td>
<td>90%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jordan</td>
<td>MR</td>
<td>6 M - 19 Y</td>
<td>102%</td>
<td>97%</td>
<td></td>
<td>OPV, Vit A</td>
</tr>
<tr>
<td>Pakistan/Sindh</td>
<td>M</td>
<td>120-119 M - 9Y</td>
<td>110%</td>
<td></td>
<td>85%</td>
<td></td>
</tr>
<tr>
<td>Pakistan/Punjab</td>
<td>M</td>
<td>6 M - 9 Y</td>
<td>102%</td>
<td></td>
<td>95%</td>
<td>OPV/Vit A</td>
</tr>
<tr>
<td>Pakistan/Baluch.</td>
<td>M</td>
<td>9 M - 9 Y</td>
<td>106</td>
<td></td>
<td></td>
<td>89%</td>
</tr>
<tr>
<td>Morocco</td>
<td>MR</td>
<td>9 M - 19 Y</td>
<td>91%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Somalia</td>
<td>M</td>
<td>6-59M</td>
<td>85%</td>
<td></td>
<td></td>
<td>Penta &amp; ORS</td>
</tr>
<tr>
<td>Sudan</td>
<td>M</td>
<td>9 - 14 Y</td>
<td>98%</td>
<td>97%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syria</td>
<td>MMR</td>
<td>6 - 10 Y</td>
<td>72%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syria</td>
<td>MMR</td>
<td>12 - 15 Y</td>
<td>92%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yemen, Sa’da</td>
<td>M</td>
<td>6 - 59 M</td>
<td>93%</td>
<td></td>
<td></td>
<td>OPV, Vit A</td>
</tr>
</tbody>
</table>

64 Million people reached through SIAS in 2013 thanks to international, local partners and Gov support
Local funding raised for measles SIAs, 2013

<table>
<thead>
<tr>
<th>Country</th>
<th>Total Budget (USD)</th>
<th>Amount Raised Locally (USD)</th>
<th>% locally raised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afghanistan</td>
<td>1,381,449</td>
<td>1,381,449</td>
<td>100%</td>
</tr>
<tr>
<td>Lebanon</td>
<td>NA</td>
<td>NA</td>
<td>100%</td>
</tr>
<tr>
<td>Jordan</td>
<td>4,285,065</td>
<td>4,285,065</td>
<td>100%</td>
</tr>
<tr>
<td>Pakistan</td>
<td>12,877,360</td>
<td>12,428,480</td>
<td>97%</td>
</tr>
<tr>
<td>Morocco</td>
<td>8,377,419</td>
<td>8,377,419</td>
<td>100%</td>
</tr>
<tr>
<td>Somalia</td>
<td>3,100,000</td>
<td>2,080,000</td>
<td>67%</td>
</tr>
<tr>
<td>Sudan</td>
<td>9,666,928</td>
<td>1,101,838</td>
<td>11%</td>
</tr>
<tr>
<td>Syria</td>
<td>5,025,000</td>
<td>5,025,000</td>
<td>100%</td>
</tr>
<tr>
<td>Yemen</td>
<td>116,279</td>
<td>9,302</td>
<td>8%</td>
</tr>
<tr>
<td>EMR</td>
<td>44,829,500</td>
<td>34,688,553</td>
<td>77%</td>
</tr>
</tbody>
</table>
86.7 Million people reached through SIAS in 2013 Thanks to our international, local Partners and Gov support
# Resource Gaps 2014-2015

<table>
<thead>
<tr>
<th>Country</th>
<th>Requirement* (USD)</th>
<th>Available/Committed* (USD)</th>
<th>Total Committed (GAVI, MRI, Local)</th>
<th>Funding gap*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Requirement SIAs, Surv, RI</td>
<td>GAVI Support</td>
<td>Local</td>
<td>MRI**</td>
</tr>
<tr>
<td>AFG 2014</td>
<td>2,029,375</td>
<td>0</td>
<td>0</td>
<td>1,489,375</td>
</tr>
<tr>
<td>AFG 2015</td>
<td>7,023,056</td>
<td>6,123,056</td>
<td>300,000</td>
<td>0</td>
</tr>
<tr>
<td>PAK 2014</td>
<td>65,693,669</td>
<td>34,983,274</td>
<td>25,282,519</td>
<td>2,740,000</td>
</tr>
<tr>
<td>SOM 2014</td>
<td>2,193,959</td>
<td>0</td>
<td>500,000</td>
<td>1,148,800</td>
</tr>
<tr>
<td>SUD 2014</td>
<td>150,000</td>
<td>0</td>
<td>0</td>
<td>150,000</td>
</tr>
<tr>
<td>YEM 2014</td>
<td>22,902,915</td>
<td>17,591,500</td>
<td>4,943,415</td>
<td>368,000</td>
</tr>
<tr>
<td>Total</td>
<td>99,992,974</td>
<td>58,697,830</td>
<td>31,025,934</td>
<td>5,896,175</td>
</tr>
</tbody>
</table>

*All figure are for 2014 except for AFG SIAS 2015
**MRI fund allocated: include amount committed/transferred to WHO & UNICEF
PAK received addition 4 M Locally from JICA
SOM received 701,000$ locally from OCHA for outbreak response & US$ 146,000 is expected
Monthly distribution of confirmed Measles cases in the EMR 2006-June 2014

Confirmed measles cases

3,081
6,079
6,459
12,347
4,983
11,721
23,464
17,166
5,988

South Sudan
Yemen
UAE
Tunisia
Syria
Sudan
Somalia
Saudi Arabia
Qatar
Palestine
Pakistan
Oman
Morocco
Libya
Lebanon
Kuwait
Egypt
Jordan
Iraq
Iran
Djibouti
Bahrain
Afghanistan

2006
2007
2008
2009
2010
2011
2012
2013
2014
Security situation and deteriorated performance in some countries
Iraq Measles outbreak  Monthly distribution of confirmed measles cases in the 2006-June 2014
Measles outbreak age distribution 2013-June 2014
Outbreak response and to move Measles elimination

- The SIAs campaign to be conducted in 2 Phases:
  - Phase 1 for children 9-59 months once the vaccine arrives (tentative date November 2014 but according to schedule of vaccine arrival it will not take place before February 2015)
  - Phase 2 for children 15-19 yrs
- The intention is to use MR vaccine if available for Phase one need 5 million doses and another 5 for Phase 2 but UNICEF is already started the procurement for measles vaccine since MR is not available.
- Some of the funds are secured but not all. WHO will be requested to cover training and meetings, supervisors etc. around USD 6.2 M
Rubella vaccine use in countries of the EMR, 2014

- **Palestine**: Rubella vaccine planned 2015-2016 (3 countries)
- **Rubella vaccine introduction not decided (Somalia and Pakistan)**
- A total of 4 countries are expected to introduce RCV by end 2018.

- **Rubella vaccine in RI (16 country)**
- **Rubella vaccine planned 2014 (Yemen)**
- **Rubella vaccine planned 2015-2016 (3 countries)**
Monthly distribution of confirmed Rubella cases in the EMR 2006-June 2014
Yemen Rubella Age distribution, 2013 & 2014

Yemen Rubella confirmed cases by age Year 2013

Yemen Rubella confirmed cases by age Year June 2014
Yemen Rubella Plan 2014

- MR routine introduction 6 Nov 2014
- GAVI application approved MR SIAs and will be conducted 19 Oct
- Target age group 9M to 14 Yrs
- Establishment of CRS surveillance
2014-2016 Rubella introduction plans
16/22 countries have introduced rubella vaccine in RI

• Yemen:
  – Routine introduction; July 2014
  – MR SIAs: September 2014

• Djibouti:
  – will apply in connection to next follow up SIAs (2016?)

• Afghanistan:
  – UNICEF committed to support routine introduction
  – low routine coverage? SIAs quality and delays?

• Pakistan:
  – no discussion

• Sudan:
  – Discussion with UNICEF for routine introduction is ongoing
  – NITAG decision is pending
  – CRS establishment: ongoing
  – Probable application with next FU SIAs (2016?)

• Somalia:
  – Low routine coverage
  – RTAG recommended holding on advocating for rubella vaccine introduction due to low
## 2014-2015 GAVI application and introduction plans for M, MR

<table>
<thead>
<tr>
<th>Country</th>
<th>Vaccine (MSD, MR, M)</th>
<th>Year of Intro (or MR SIA)</th>
<th>MCV1 coverage (2013)</th>
<th>Year of planned GAVI application</th>
<th>Total Budget (GAVI approved)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pakistan</td>
<td>M SIAs</td>
<td>Roll-out started May 2014</td>
<td>61</td>
<td>Approved</td>
<td>$65,593,669 ($34,983,274)</td>
</tr>
<tr>
<td>Yemen</td>
<td>MR routine</td>
<td>6 Nov 2014</td>
<td>78</td>
<td>Approved</td>
<td>$965,581 ($767,500)</td>
</tr>
<tr>
<td>Yemen</td>
<td>MR SIAs</td>
<td>19 Oct 2014</td>
<td>78</td>
<td>Approved</td>
<td>$21,569,334 ($17,591,500)</td>
</tr>
<tr>
<td>Afghanistan</td>
<td>M SIAs</td>
<td>May-June 2015</td>
<td>82</td>
<td>Approved</td>
<td>$6,723,056 ($6,123,056)</td>
</tr>
</tbody>
</table>
Challenges and constraints to achieving the target

- Security situation: rapidly deteriorating in the EMR
  - Sustainability of achieved MCV coverage: decreased routine coverage: Syria, Yemen
  - Delayed implementation of planned activities
  - Spread of outbreaks to previously free countries

- Higher priorities/Emerging priorities, low visibility of measles target
  - Polio endemic countries
  - Polio outbreak in Syria

- Pockets of susceptible populations/groups
  - Hard to reach populations in low income countries
  - Expatriate population in GCC States

- Vaccine availability
  - MMR shortage for Egypt, Syria and Iraq

- Funding: Follow-up SIAs, Measles surveillance
Planned activities 2014-2015

• **Implementation of Measles/MR SIAs**
  – Afghanistan: Mop up SIAs in 2014 and FU SIAs in 2015
  – Pakistan: roll-out SIAs
  – Somalia: CHDs specially in the newly reachable areas
  – Yemen: RI of MR and MR SIAs, 2014
  – Morocco: Phase 2 of MR SIAs
  – Syria and Iraq: SIAs

• **Strengthening routine immunization and data quality**
  – RED in low coverage districts in Pakistan, AFG, Iraq
  – Using PEI assets to strengthen RI: Pakistan, AFG and Somalia
  – Vaccination weeks

• **Reviews and assessments & Strengthen Cases base surveillance**
  – Review of the situation and preparation for verification of elimination: Bahrain, Palestine, Oman, Iran and Tunisia
  – Sustain the strength and capacity of M&R Lab Net

• **Measles risk assessment and Establishing CRS surveillance**
  – Sudan and Yemen

• **Meetings**
  – Regional Technical Advisory Group (RTAG) and Regional Measles Verification Commission (RMVC), Meeting November 2014
  – Inter-country meeting on Measles and Rubella control/elimination Nov 2014