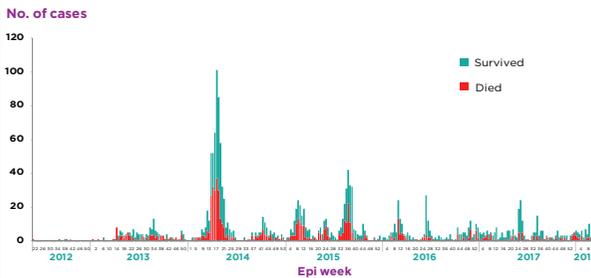


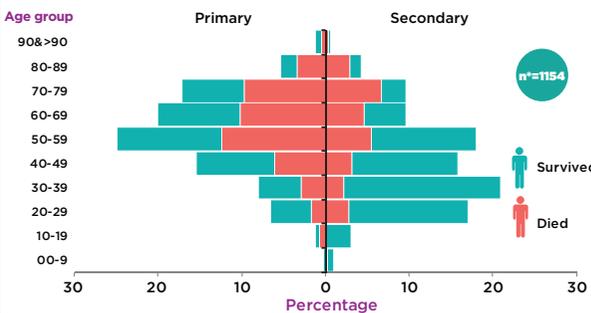
### HIGHLIGHTS

- At the end of February 2018, a total of 2182 laboratory-confirmed cases of Middle East respiratory syndrome (MERS), including 779 associated deaths (case-fatality rate: 35.7%) were reported globally; the majority of these cases were reported from Saudi Arabia (1807 laboratory-confirmed cases, including 705 related deaths with a case-fatality rate of 39%).
- During the month of February, 24 laboratory-confirmed cases of MERS were reported globally; 23 cases in Saudi Arabia including 5 associated deaths and one case reported in Oman. A cluster of nosocomial infection was detected on 5 March 2018 in a health-facility in Riyadh region. At least 3 secondary cases were reported in this cluster; investigation is ongoing to identify the index case as well as testing of all close contacts for identifying additional secondary cases.
- The demographic and epidemiological characteristics of the cases reported in February 2018 do not show any significant difference compared with cases reported during the same period from 2012 to 2017. Owing to improved infection prevention and control practices in the hospitals, the number of hospital-acquired cases of MERS has dropped significantly in 2015, 2016 and 2017.
- The age group of those aged 50-59 years continues to be the group at highest risk for acquiring infection as primary cases. For secondary cases, it is the age group of 30-39 years who are mostly at risk. The number of deaths is higher in the age group of 50-59 years for primary cases and 70-79 years for secondary cases.

#### MERS cases reported from the Kingdom of Saudi Arabia by week of symptoms onset, June 2012- February 2018

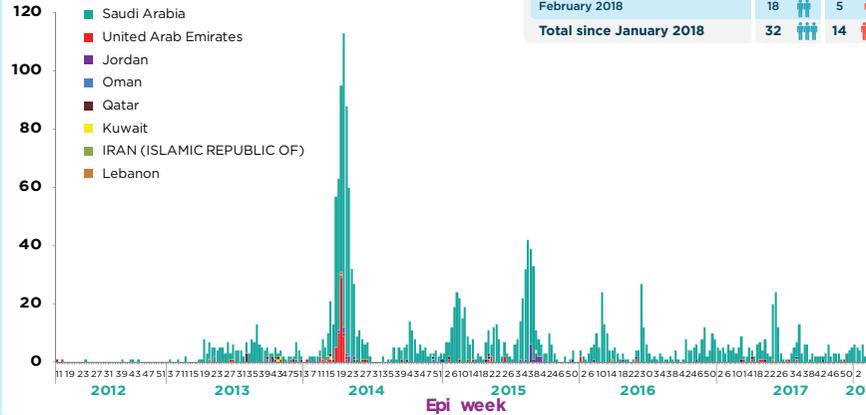


#### Age and fatality distribution of Primary and Secondary cases of MERS reported from Saudi Arabia, 2012-February 2018



### Laboratory-confirmed cases of MERS reported in Eastern Mediterranean Region, April 2012-February 2018

No. of cases



MERS in Saudi Arabia (January-February 2018)

|                                 | Survived  | Died      |
|---------------------------------|-----------|-----------|
| January 2018                    | 14        | 9         |
| February 2018                   | 18        | 5         |
| <b>Total since January 2018</b> | <b>32</b> | <b>14</b> |

### SUMMARY

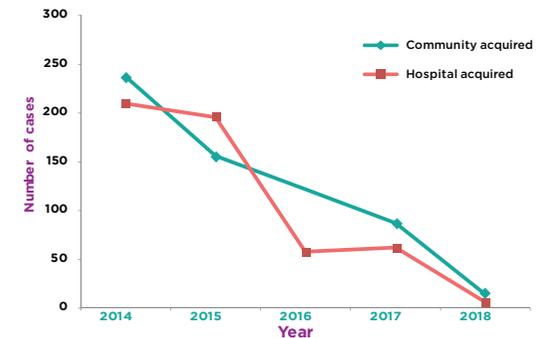
**2182** Laboratory-confirmed Cases Reported Since April 2012

**779** deaths reported since April 2012

**27** countries reported cases globally

**12** countries reported cases since April 2012 in the Eastern Mediterranean Region

#### Community versus hospital acquired (symptomatic) MERS cases in Eastern Mediterranean Region, Jan 2014-Feb 2018



### Epidemiological characteristics of MERS cases reported globally between Sep 2012-Feb 2013 and Sep 2017-Feb 2018

| Characteristic                 | Sep 12-Feb 13 | Sep 13-Feb 14 | Sep 14-Feb 15 | Sep 15-Feb 16 | Sep 16-Feb 17 | Sep 17-Feb 18 |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Number                         | 12            | 93            | 207           | 122           | 121           | 96            |
| Median age in years            | 48            | 54            | 55            | 49            | 57            | 56            |
| Gender (% male)                | 83            | 72            | 75            | 66            | 77            | 76            |
| % of primary cases             | 42            | 27            | 27            | 16            | 42            | 35            |
| % of secondary cases           | 42            | 33            | 35            | 42            | 10            | 10            |
| (%) of unknown contact history | 17            | 39            | 37            | 4             | 2             | 0             |
| % of HCW                       | 0             | 22            | 13            | 22            | 4             | 4             |
| % of Fatal                     | 58            | 54            | 49            | 23            | 36            | 38            |

### Characteristics of MERS cases reported from Kingdom of Saudi Arabia, June 2012-February 2018

| Type of case | 2012     | 2013       | 2014       | 2015       | 2016       | 2017       | 2018      | Grand Total |
|--------------|----------|------------|------------|------------|------------|------------|-----------|-------------|
| Primary      | 3        | 36         | 164        | 52         | 74         | 71         | 14        | 414         |
| Secondary    | 2        | 93         | 264        | 222        | 60         | 90         | 9         | 740         |
| Missing      |          | 1          | 15         | 102        | 103        | 68         | 23        | 312         |
| Unknown      |          | 28         | 219        | 78         | 11         | 5          |           | 341         |
| <b>Total</b> | <b>5</b> | <b>158</b> | <b>662</b> | <b>454</b> | <b>248</b> | <b>234</b> | <b>46</b> | <b>1807</b> |

#### Reported cases of MERS in healthcare workers, January 2013-February 2018

