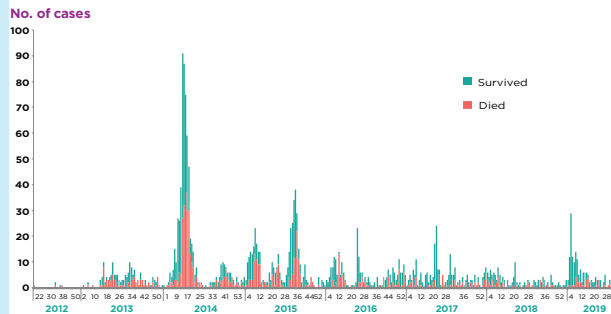


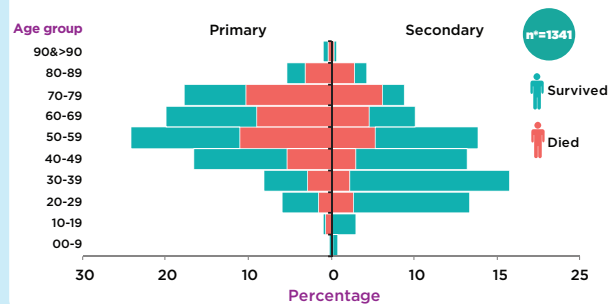
### HIGHLIGHTS

- At the end of September 2019, a total of 2468 laboratory-confirmed cases of Middle East respiratory syndrome (MERS), including 851 associated deaths (case-fatality rate: 34.4%) were reported globally; the majority of these cases were reported from Saudi Arabia (2077 cases, including 773 related deaths with a case-fatality rate of 37.2%).
- During the month of September, a total of 4 laboratory-confirmed cases of MERS were reported globally. All the 4 cases were reported from Saudi Arabia with 1 associated death. No cluster of cases was reported this month. All of the cases had their symptoms onset in September. The reported cases were between 39 and 74 years of age and all were male. No healthcare workers were affected this month.
- The demographic and epidemiological characteristics of reported cases, when compared during the same corresponding period of 2014 to 2019, do not show any significant difference or change. The number of cases reported in this period was more than 2018, but significantly less than the 2014-2017 corresponding period.
- The age group 50-59 years continues to be at the highest risk for acquiring infection of primary cases. The age group 30-39 years is most at risk for secondary cases. The number of deaths is higher in the age group 50-59 years for primary cases and 70-79 years for secondary cases.

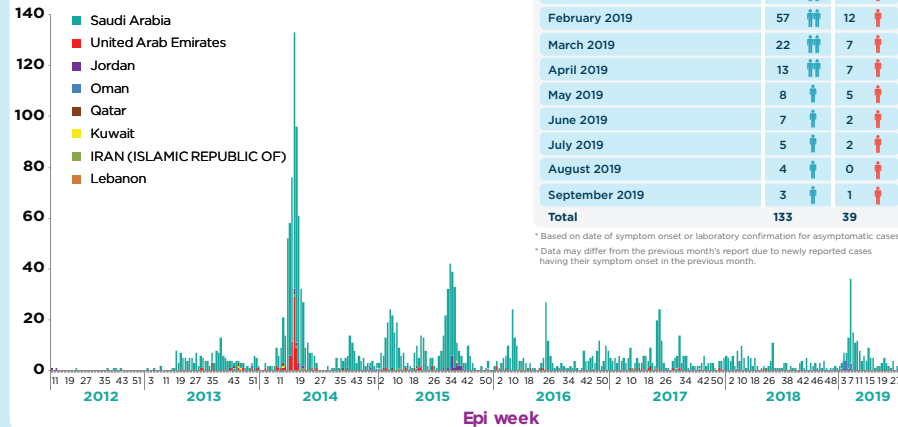
#### MERS cases reported from the Kingdom of Saudi Arabia by week of symptoms onset, June 2012-September 2019



#### Age and fatality distribution of Primary and Secondary cases of MERS reported from Saudi Arabia, 2012-September 2019



### Laboratory-confirmed cases of MERS reported in Eastern Mediterranean Region, July 2012-September 2019



#### MERS in Saudi Arabia 2019 (January-September)\*

|                | Survived   | Died      |
|----------------|------------|-----------|
| January 2019   | 14         | 3         |
| February 2019  | 57         | 12        |
| March 2019     | 22         | 7         |
| April 2019     | 13         | 7         |
| May 2019       | 8          | 5         |
| June 2019      | 7          | 2         |
| July 2019      | 5          | 2         |
| August 2019    | 4          | 0         |
| September 2019 | 3          | 1         |
| <b>Total</b>   | <b>133</b> | <b>39</b> |

\* Based on date of symptom onset or laboratory confirmation for asymptomatic cases  
\* Data may differ from the previous month's report due to newly reported cases having their symptom onset in the previous month.

### Epidemiological characteristics of MERS cases reported globally between April-September 2013 and March-September 2019

| Characteristic                 | Apr-Sep 14 | Apr-Sep 15 | Apr-Sep 16 | Apr-Sep 17 | Apr-Sep 18 | Apr-Sep 19 |
|--------------------------------|------------|------------|------------|------------|------------|------------|
| Number                         | 644        | 478        | 135        | 159        | 66         | 93         |
| Median age in years            | 47         | 55         | 53         | 48         | 56         | 53         |
| Gender (% male)                | 63         | 65         | 67         | 70         | 83         | 76         |
| % of primary cases             | 19         | 11         | 32         | 22         | 35         | 26         |
| % of secondary cases           | 42         | 53         | 33         | 55         | 27         | 32         |
| (%) of unknown contact history | 32         | 7          | 7          | 3          | 0          | 0          |
| % of HCW                       | 29         | 12         | 19         | 28         | 2          | 13         |
| % of Fatal                     | 36         | 31         | 31         | 19         | 27         | 29         |

### Characteristics of MERS cases reported from Kingdom of Saudi Arabia, June 2012-September 2019

| Type of case | 2012     | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | Grand Total |
|--------------|----------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Primary      | 3        | 36         | 164        | 52         | 75         | 70         | 54         | 48         | 502         |
| Secondary    | 2        | 93         | 264        | 222        | 60         | 90         | 35         | 73         | 839         |
| Missing      |          | 1          | 15         | 102        | 103        | 68         | 52         | 53         | 394         |
| Unknown      |          | 28         | 219        | 78         | 11         | 5          | 1          |            | 342         |
| <b>Total</b> | <b>5</b> | <b>158</b> | <b>662</b> | <b>454</b> | <b>249</b> | <b>233</b> | <b>142</b> | <b>174</b> | <b>2077</b> |

### SUMMARY

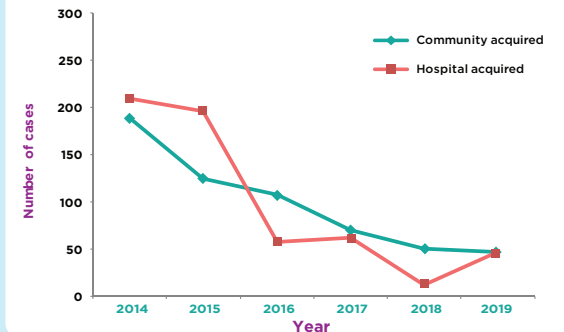
**2468** Laboratory-confirmed cases reported since April 2012

**851** 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-Sep 2019



#### Cases of MERS in healthcare workers reported from Saudi Arabia Jan 2013 - Sep 2019

