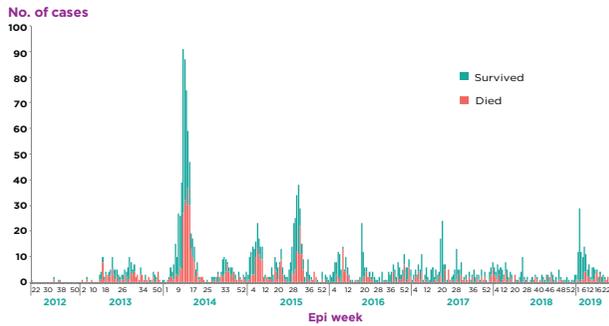


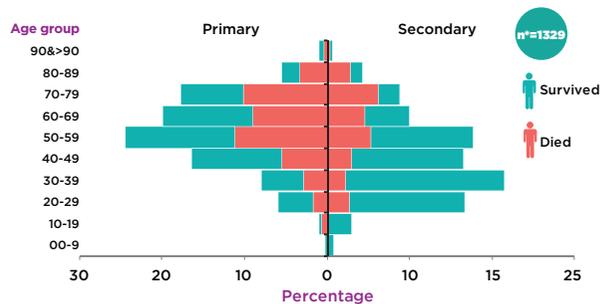
### HIGHLIGHTS

- At the end of May 2019, a total of 2442 laboratory-confirmed cases of Middle East respiratory syndrome (MERS), including 842 associated deaths (case-fatality rate: 34.5%) were reported globally; the majority of these cases were reported from Saudi Arabia (2051 cases, including 765 related deaths with a case-fatality rate of 37.3%). During the month of May, a total of 14 laboratory-confirmed cases of MERS were reported globally. All the 14 cases were reported from Saudi Arabia with 4 associated deaths.
- This month, Saudi Arabia has not reported any new cases related to the Al-Khaffji city outbreak. The outbreak has presumed to have stopped due to the effective response measures taken by Saudi Arabia. This month, one household cluster was reported from Al-Kharj City, including two symptomatic national females aged 22 and 44. One 23-year-old national female healthcare worker was also infected this month in Riyadh. All the 4 cases that died this month were symptomatic males with one or more co-morbidity.
- The demographic and epidemiological characteristics of reported cases, when compared during the same corresponding period of 2013 to 2019, do not show any significant difference or change.
- The age group 50-59 years continues to be at 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.

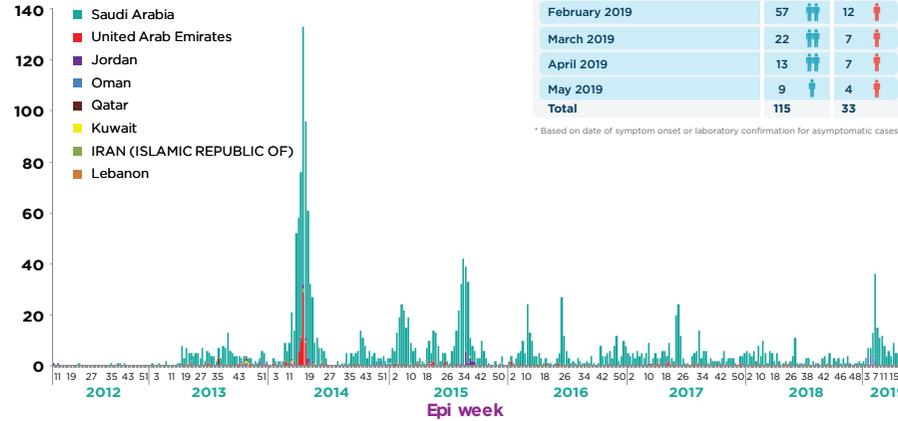
#### MERS cases reported from the Kingdom of Saudi Arabia by week of symptoms onset, June 2012-May 2019



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



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



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

	Survived	Died
January 2019	14	3
February 2019	57	12
March 2019	22	7
April 2019	13	7
May 2019	9	4
<b>Total</b>	<b>115</b>	<b>33</b>

\* Based on date of symptom onset or laboratory confirmation for asymptomatic cases

### Epidemiological characteristics of MERS cases reported globally between December-May 2013 and December-May 2019

Characteristic	Dec 13-May 14	Dec 14-May 15	Dec 15-May 16	Dec 16-May 17	Dec 17-May 18	Dec 18-May 19
Number	641	279	114	123	104	168
Median age in years	47	55	55	55	54	51
Gender (% male)	62	74	82	78	79	76
% of primary cases	18	19	30	38	31	25
% of secondary cases	43	37	26	23	24	49
(%) of unknown contact history	33	28	4	6	0	0
% of HCW	29	10	10	10	5	13
% of Fatal	37	43	33	30	33	22

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

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	Grand Total
Primary	3	36	164	52	74	71	54	38	492
Secondary	2	93	264	222	60	90	35	71	837
Missing		1	15	102	103	68	52	39	380
Unknown		28	219	78	11	5	1		342
<b>Total</b>	<b>5</b>	<b>158</b>	<b>662</b>	<b>454</b>	<b>248</b>	<b>234</b>	<b>142</b>	<b>148</b>	<b>2051</b>

### SUMMARY

**2442** Laboratory-confirmed cases reported since April 2012

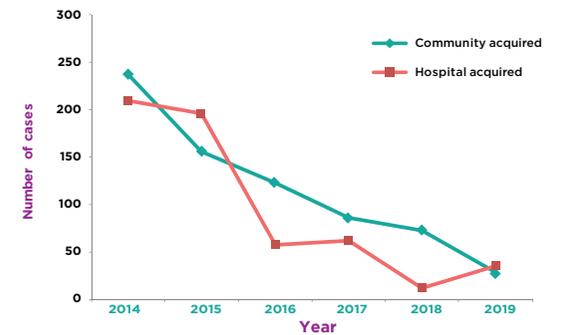
**843** deaths reported since April 2012

**27** countries reported cases globally

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

**13** laboratory-confirmed cases reported linked to an outbreak in Saudi Arabia in April

#### Community versus hospital acquired (symptomatic) MERS cases in Eastern Mediterranean Region, Jan 2014-May 2019



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

