

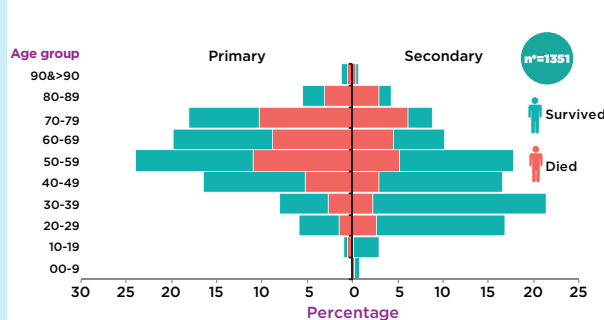
### HIGHLIGHTS

- At the end of November 2019, a total of 2494 laboratory-confirmed cases of Middle East respiratory syndrome (MERS), including 858 associated deaths (case-fatality rate: 34.4%) were reported globally; the majority of these cases were reported from Saudi Arabia (2102 cases, including 780 related deaths with a case-fatality rate of 37.1%).
- Since the last update was published (October MERS situation update), a total of 12 laboratory-confirmed cases of MERS were reported globally including one healthcare worker. All of the cases were reported from Saudi Arabia with 4 associated deaths. Only one of the cases was a female. The healthcare worker was infected in October while providing care for a case. No other cluster of case was reported this month, despite 6 cases being reported from the same region. Three of the cases had their symptom onset in October.
- The demographic and epidemiological characteristics of reported cases, when compared during the same corresponding period of 2014 to 2019 (June to November), do not show any significant difference or change. The number of cases reported in this period was less than all other corresponding periods of respective years, except for 2018.
- 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.

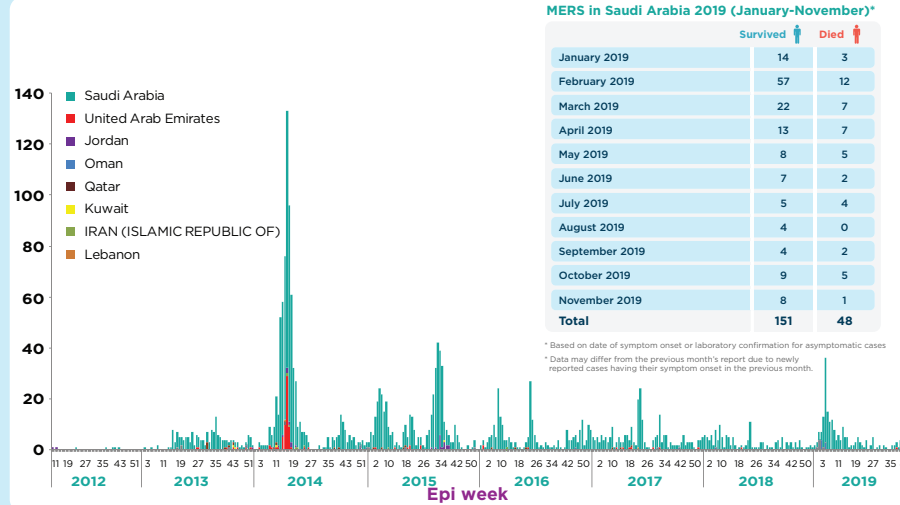
### MERS cases reported from the Kingdom of Saudi Arabia by week of symptoms onset, June 2012-November 2019



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



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



MERS in Saudi Arabia 2019 (January-November)\*

Month	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	4
August 2019	4	0
September 2019	4	2
October 2019	9	5
November 2019	8	1
<b>Total</b>	<b>151</b>	<b>48</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 June-November 2014 and June-November 2019

Characteristic	Jun-Nov 14	Jun-Nov 15	Jun-Nov 16	Jun-Nov 17	Jun-Nov 18	Jun-Nov 19
Number	118	407	123	139	49	52
Median age in years	52	53	52	48	56	56
Gender (% male)	77	59	67	66	87	86
% of primary cases	37	4	37	23	48	36
% of secondary cases	36	40	23	47	18	7
(%) of unknown contact history	21	1	6	0	2	19
% of HCW	16	16	17	25	0	5
% of Fatal	42	27	24	24	32	26

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

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	Grand Total
Primary	3	36	164	52	75	70	54	56	510
Secondary	2	93	264	222	60	90	35	75	841
Missing		1	15	102	103	68	52	58	399
Unknown		28	219	78	11	5	1	10	352
<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>199</b>	<b>2102</b>

### SUMMARY

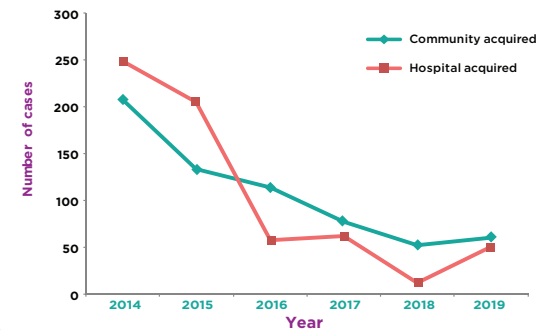
**2494** Laboratory-confirmed cases reported since April 2012

**858** 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-Nov 2019



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

