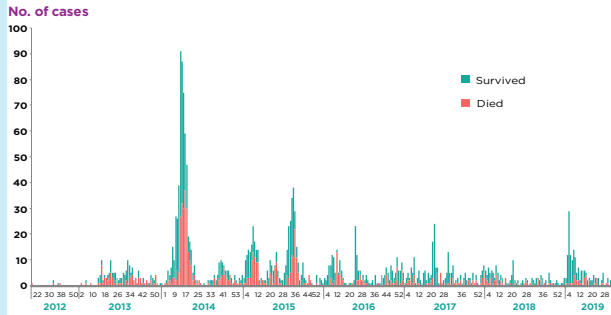


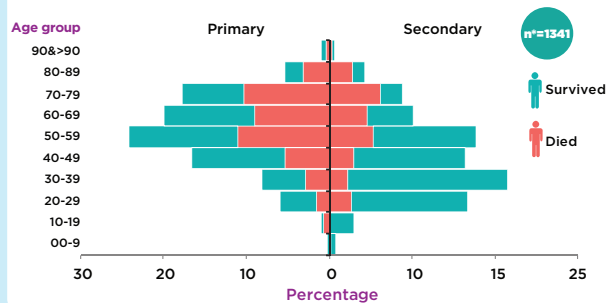
### HIGHLIGHTS

- 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.

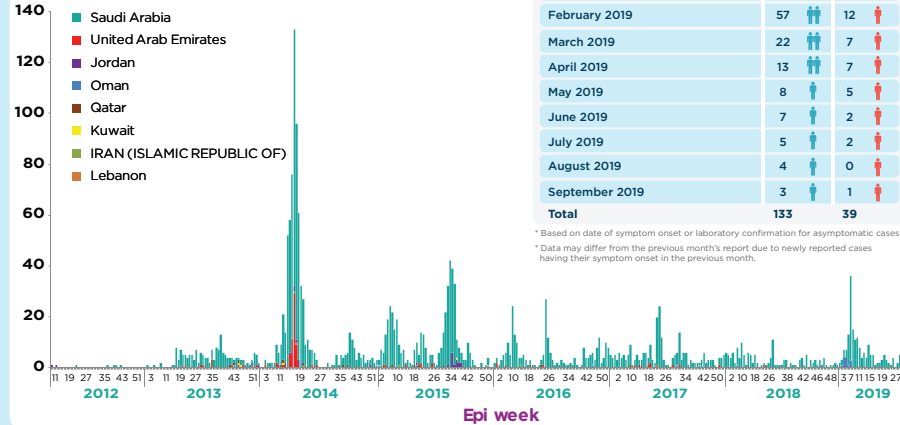
### MERS cases reported from the Kingdom of Saudi Arabia by week of symptoms onset, June 2012-September 2019



### 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

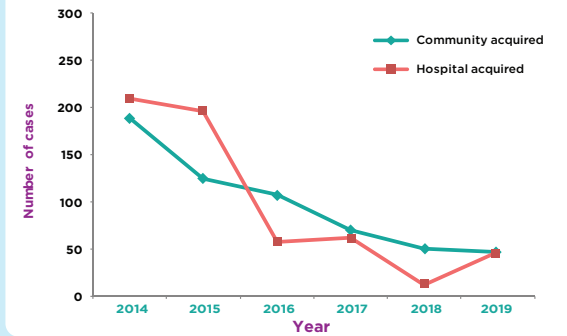
**2468** Laboratory-confirmed cases reported since April 2012

**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

