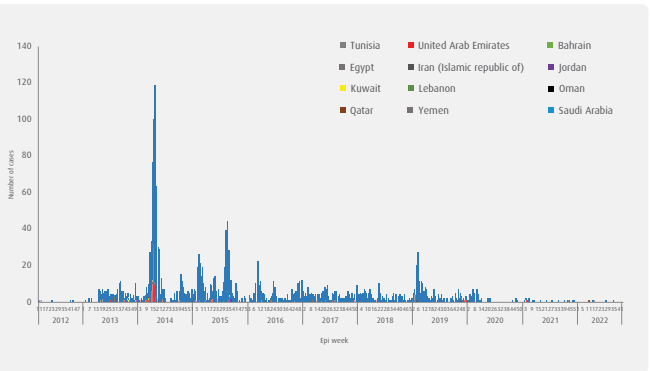


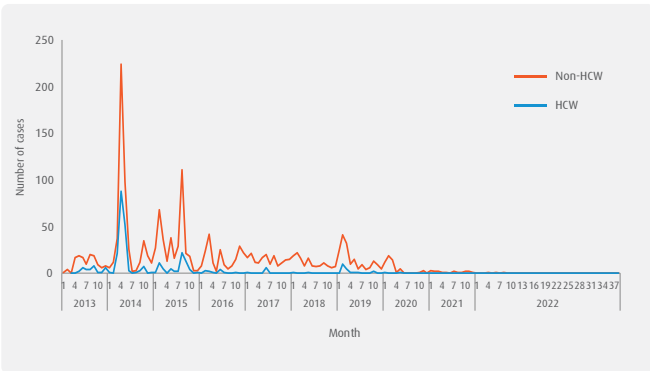
## Highlights

- From April 2012 till October 2022, a total of 2600 laboratory-confirmed cases of Middle East respiratory syndrome (MERS) were reported globally, with 935 associated deaths at a case-fatality ratio (CFR) of 36%. The majority of these cases were reported from Saudi Arabia, with 2193 cases and 854 related deaths (CFR: 39%).
- During the month of October 2022, no new cases were reported.
- The demographic and epidemiological characteristics of reported cases do not show any significant differences when compared with the same corresponding period between 2016 and 2022.
- Among primary cases, 50–59 year-olds are at the highest risk for acquiring infection and among secondary cases the 30–39 year-olds are at the highest risk. Among both primary and secondary cases, CFR is higher within the age group of 70–79 year-olds.

**Fig. 1. Distribution of MERS reported cases from Eastern Mediterranean Region by week of onset, June 2012 – October 2022**



**Fig. 4. Cases of MERS in healthcare workers reported from Saudi Arabia, January 2013 – October 2022**



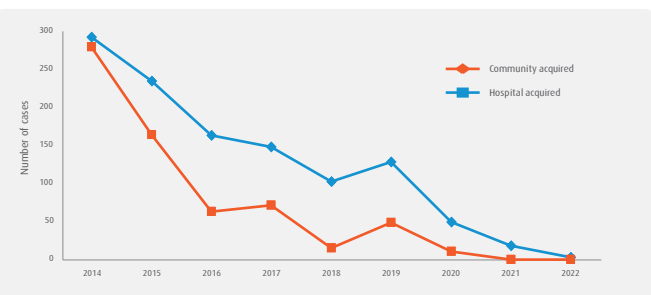
## SUMMARY

- 2600** Laboratory-confirmed cases reported since April 2012
- 935** Deaths reported since April 2012
- 12** Countries reported cases since April 2012 in the Eastern Mediterranean Region
- 27** Countries reported cases globally

**Table 1. Number of MERS cases in the Eastern Mediterranean Region by month and outcome in 2022**

2022	Survived	Died
January	0	0
February	0	0
March	1	0
April	3	1
May	0	0
June	0	0
July	1	0
August	0	0
September	1	0
October	0	0
<b>Total</b>	<b>6</b>	<b>1</b>

**Fig. 2. Community versus hospital acquired MERS cases in Eastern Mediterranean Region, January 2014 – October 2022**



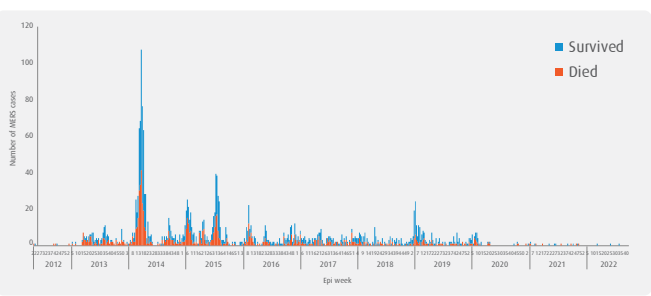
**Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 - October 2022**

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Grand Total
Primary	4	71	292	234	163	148	102	128	49	18	3	1212
Secondary	1	91	371	219	85	88	39	77	10	0	0	981
<b>Grand Total</b>	<b>5</b>	<b>162</b>	<b>663</b>	<b>453</b>	<b>248</b>	<b>236</b>	<b>141</b>	<b>205</b>	<b>59</b>	<b>18</b>	<b>3</b>	<b>2193</b>

**Table 2. Epidemiological characteristics of MERS cases reported globally between May 2017 – October 2017 and May 2022 – October 2022**

Characteristic	May 17 - Oct 17	May 18 - Oct 18	May 19 - Oct 19	May 20 - Oct 20	May 21 - Oct 21	May 22 - Oct 22
Number	229	254	212	139	21	17
Median age in years	56	52	52	56	56	60
Gender (% male)	71	72	81	80	86	94
% of Primary Cases	73	63	54	83	67	100
% of Secondary cases	27	37	46	17	33	0
(%) of Unknown Contact History	1	0	0	0	0	0
% of HCW	12	18	10	8	15	0
% Fatal	32	32	27	30	52	29

**Fig. 3. MERS cases per week of onset in Saudi Arabia, June 2012 – October 2022**



**Fig. 5. Age and fatality distribution of primary and secondary cases of MERS reported from Saudi Arabia June 2012 – October 2022**

