

MERS SITUATION UPDATE | OCTOBER 2022

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

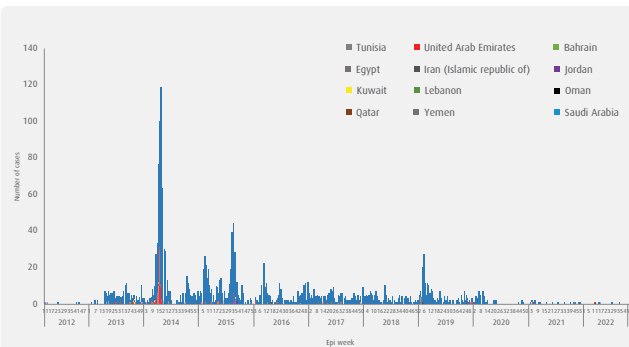
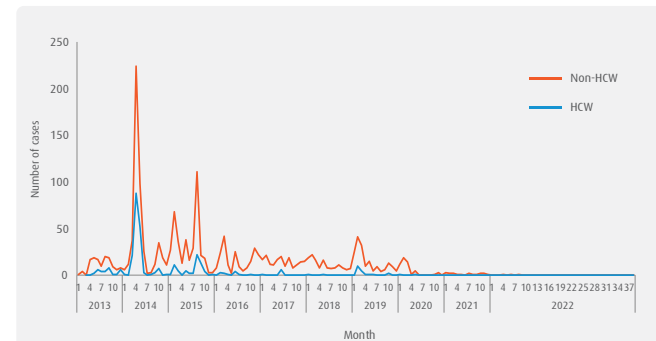


Fig. 4. Cases of MERS in healthcare workers reported from Saudi Arabia, January 2013 – October 2022



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
Total	6	1

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

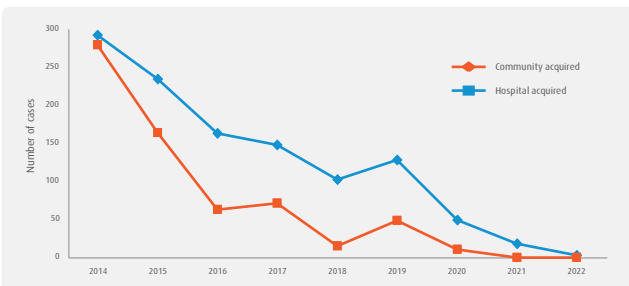


Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 - October 2022

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
Grand Total	5	162	663	453	248	236	141	205	59	18	3	2193

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

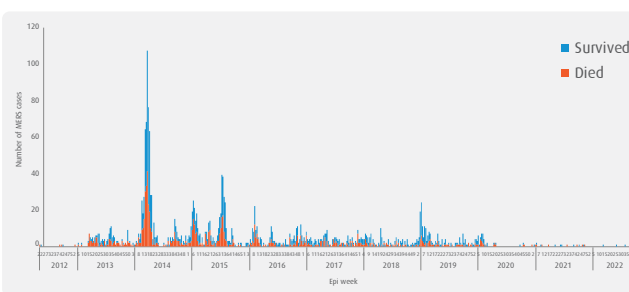


Fig. 5. Age and fatality distribution of primary and secondary cases of MERS reported from Saudi Arabia June 2012 – October 2022

