

Highlights

- From April 2012 till May 2022, a total of 2591 laboratory-confirmed cases of Middle East respiratory syndrome (MERS) were reported globally, with 894 associated deaths at a case-fatality ratio (CFR) of 34.5%. The majority of these cases were reported from Saudi Arabia, with 2184 cases and 813 related deaths (CFR: 37.2%).
- During the month of May 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 highest risk for acquiring infection, and among secondary cases the 30–39 year-olds are at the highest risk. Among primary cases, CFR is higher within the age group of 50–59 year-olds, and among secondary cases it is higher among the age group of 70–79 years-old.

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

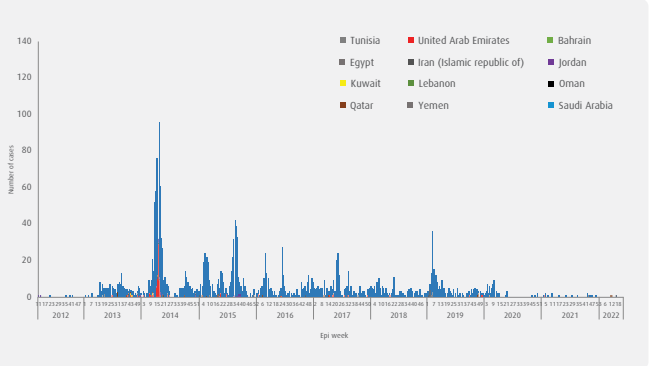
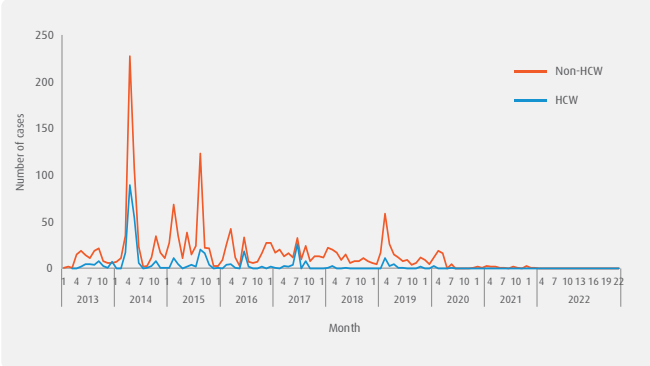


Fig. 4. Cases of MERS in healthcare workers reported from Saudi Arabia, January 2013 – May 2022



SUMMARY

- 2591** Laboratory-confirmed cases reported since April 2012
- 894** 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	2	1
May	0	0
Total	3	1

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

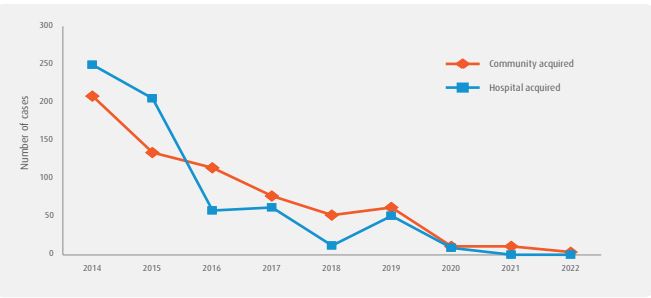


Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 - May 2022

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Grand Total
Missing		1	15	102	103	68	52	56	7	4	0	408
Primary	3	36	164	52	75	70	54	57	11	11	0	533
Secondary	2	93	264	222	60	90	35	75	9	0	0	850
Unknown		28	219	78	11	5	1	16	33	2	0	393
Grand Total	5	158	662	454	249	233	142	204	60	17	0	2184

Table 2. Epidemiological characteristics of MERS cases reported globally between December 2016 – May 2017 and December 2021 – May 2022

Characteristic	Dec 16 - May 17	Dec 17 - May 18	Dec 18 - May 19	Dec 19 - May 20	Dec 20 - May 21	Dec 21 - May 22
Number	123	104	168	65	11	4
Median age in years	57	55	50	59	56	50
Gender (% male)	78	79	76	82	91	100
% of Primary Cases	57	56	34	23	78	100
% of Secondary cases	34	44	66	16	0	0
(%) of Unknown Contact History	9	0	0	61	22	0
% of HCW	10	5	14	6	0	0
% Fatal	30	33	23	37	55	50

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

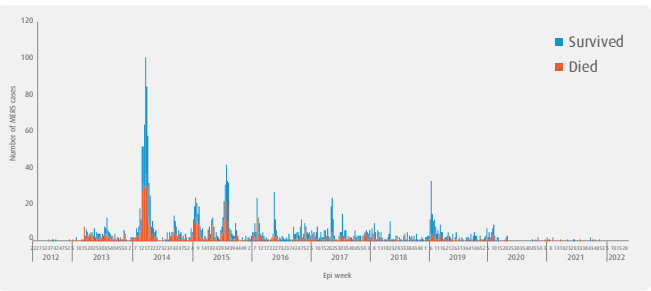


Fig. 5. Age and fatality distribution of primary and secondary cases of MERS reported from Saudi Arabia June 2012 – May 2022

