

## GLOBAL AND REGIONAL CASES

### HIGHLIGHTS

- From April 2012 till February 2023, a total of 2604 laboratory-confirmed cases of Middle East respiratory syndrome (MERS) were reported globally, with 936 associated deaths at a case-fatality ratio (CFR) of 36%. The majority of these cases were reported from Saudi Arabia, with 2196 cases and 855 related deaths (CFR: 39%).
- During the month of February 2023, 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 2023.
- 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.

\*\*Disclaimer: Data are subject to change over time due to lag in reporting.

### SUMMARY



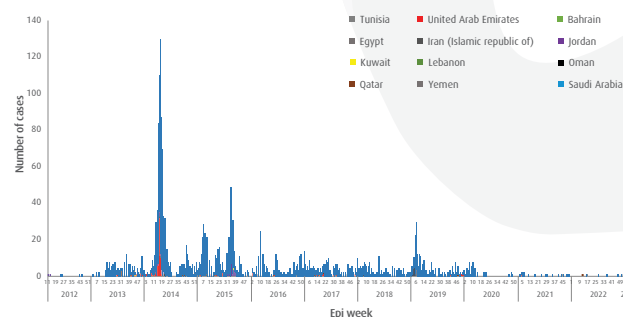
**Table 1. Number of MERS cases in the Eastern Mediterranean Region by month and outcome in 2023**

2023	Survived	Died
January	0	1
February	0	0
<b>Total</b>	<b>0</b>	<b>1</b>

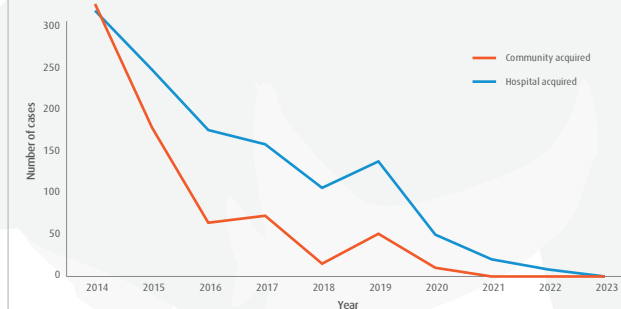
**Table 2. Epidemiological characteristics of MERS cases reported globally between August 2017 – February 2017 and August 2022 – February 2023**

Characteristic	Sep 17 - Feb 18	Sep 18 - Feb 19	Sep 19 - Feb 20	Sep 20 - Feb 21	Sep 21 - Feb 22	Sep 22 - Feb 23
Number	152	149	121	89	12	7
Median age in years	56	50	50	55	50	58
Gender (% male)	67	66	81	81	83	100
% of Primary Cases	71	59	50	78	83	100
% of Secondary cases	29	41	50	22	17	0
(%) of Unknown Contact History	0	0	0	0	0	0
% of HCW	15	26	12	10	18	0
% Fatal	32	28	24	28	42	43

**Fig. 1. Distribution of MERS reported cases from Eastern Mediterranean Region by week of onset, June 2012 – February 2023**

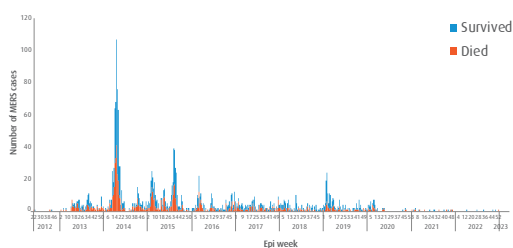


**Fig. 2. Community versus hospital acquired MERS cases in Eastern Mediterranean Region, January 2014 – February 2023**

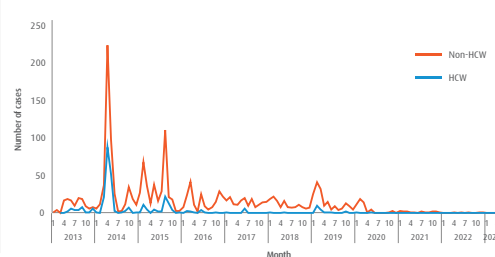


## KSA CASES

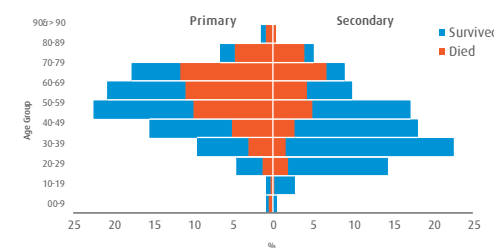
**Fig. 3. MERS cases per week of onset in Saudi Arabia, June 2012 – February 2023**



**Fig. 4. Cases of MERS in healthcare workers reported from Saudi Arabia, January 2013 – February 2023**



**Fig. 5. Age and fatality distribution of primary and secondary cases of MERS reported from Saudi Arabia June 2012 – February 2023**



**Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 - February 2023**

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Grand Total
Primary	4	71	292	234	163	148	102	128	49	18	5	1	1215
Secondary	1	91	371	219	85	88	39	77	10	0	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>5</b>	<b>1</b>	<b>2196</b>