

## GLOBAL AND REGIONAL CASES

### HIGHLIGHTS

- From April 2012 to date, a total of 2609 laboratory-confirmed cases of Middle East respiratory syndrome (MERS) were reported globally, with 939 associated deaths at a case-fatality ratio (CFR) of 36%. The majority of these cases were reported from Saudi Arabia, with 2200 cases and 858 related deaths (CFR: 39%).
- During the month of December 2023, one case from October was retrospectively 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 years-old.

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

### SUMMARY



**2609**  
Laboratory-confirmed cases reported since April 2012



**1**  
Newly reported cases



**12**  
Countries reported cases since April 2012 in the Eastern Mediterranean Region



**939**  
Deaths reported since April 2012



**27**  
Countries reported cases globally

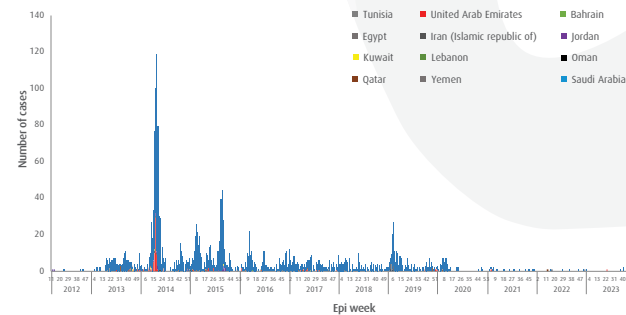
**Table 1. Number of MERS cases in the Eastern Mediterranean Region by month and outcome in 2023**

2023	Survived	Died
January	0	1
February	0	0
March	0	0
April	0	0
May	0	0
June	1	0
July	0	0
August	0	0
September	2	1
October	0	1
November	0	0
December	0	0
<b>Total</b>	<b>3</b>	<b>3</b>

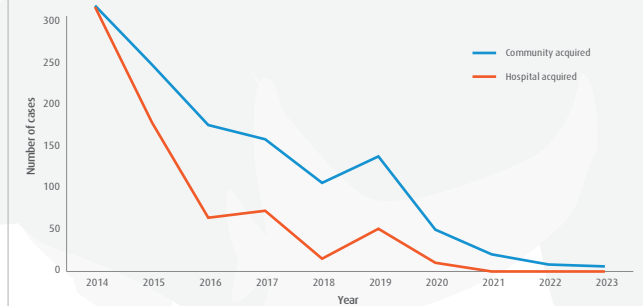
**Table 2. Epidemiological characteristics of MERS cases reported globally between July 2018 – December 2018 and July 2023 – December 2023**

Characteristic	July 18 - Dec 18	July 19 - Dec 19	July 20 - Dec 20	July 21 - Dec 21	July 22 - Dec 22	July 23 - Dec 23
Number	208	123	16	15	6	4
Median age in years	53	56	52	60	57	73
Gender (% male)	79	82	81	93	100	50
% of Primary Cases	58	80	88	100	67	100
% of Secondary cases	42	20	12	0	0	0
(%) of Unknown Contact History	0	0	0	0	33	0
% of HCW	10	9	13	0	0	0
% Fatal	28	32	44	33	33	50

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

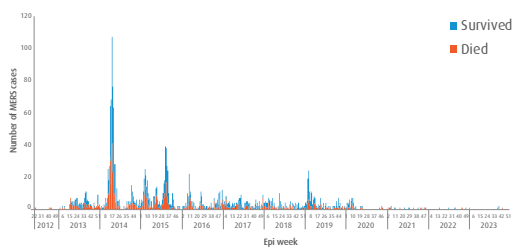


**Fig. 2. Community versus hospital acquired MERS cases in Eastern Mediterranean Region, January 2014 – December 2023**

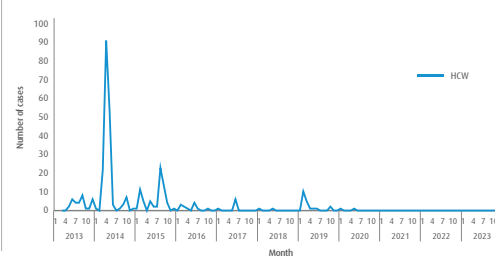


## KSA CASES

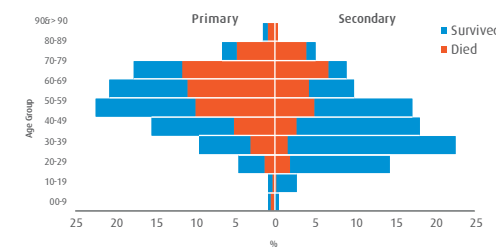
**Fig. 3. MERS cases per week of onset in Saudi Arabia, June 2012 – December 2023**



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



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



**Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 – December 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	5	1219
Secondary	1	91	371	219	85	88	39	77	10	0	0	0	981
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
<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>5</b>	<b>2200</b>