THE COVID-19 SEX-DISAGGREGATED DATA TRACKER
Region of the Americas Data Update

ABOUT THIS BRIEF

This brief presents regional findings from the COVID-19 Sex-Disaggregated Data Tracker. The Data Tracker is the world's most comprehensive source of sex-disaggregated data on the direct health impacts of COVID-19 along the clinical pathway, collecting national data from 205 countries on vaccinations, testing, confirmed cases (including among healthcare workers), hospitalisations, ICU admissions and deaths. It also reports data on sex and age on key indicators.

Since early in the novel coronavirus pandemic, sex differences have been noted in diagnosis and outcomes. Despite known sex differences in COVID-19 and known sex differences in access to care and treatment in many countries, sex-disaggregated data is not uniformly or universally integrated into COVID-19 data reporting.

Tracking 205 countries worldwide for sex-disaggregated COVID-19 data, we have found consistent global sex differences as well as substantial cross-country variation both in the availability of sex-disaggregated data and in the measured sex differences in clinical indicators. Monitoring these sex differences can help guide the development of COVID-19 policies that address gender-specific needs in a population and help monitor gender equitable access to COVID-19 care and services.

This brief presents sex-disaggregated data for the WHO Region of the Americas, consisting of 56 countries (see Table 1 for a full list of the 43 tracked countries from the region), comparing AMRO and global sex-disaggregated data availability and sex differences in key clinical indicators.

KEY TAKEAWAYS
DATA AVAILABILITY

1 The sex of over 22 million cases and over 125,000 deaths from COVID-19 in the AMRO region is currently unknown. This equates to roughly one in four (24%) of all confirmed cases and one in 20 deaths (5%). Data availability is worse than the global picture for cases but better for deaths.

2 86% (37 of 43) of countries in the region have ever reported sex-disaggregated (SD) data on cases or deaths, with 67% (29 of 43 countries) reporting SD data on cases or deaths in the past month.

OUTCOMES

3 The sex differences seen in the AMRO region are largely similar to what is seen globally. In the AMRO region, men are vaccinated (47%), and tested (47%), slightly less than women, and make up fewer confirmed COVID-19 cases (49%), than women. Men account for more hospitalisations (55%), ICU admissions (60%) and deaths (58%) than women.

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National data availability for sex-disaggregated case and death data

At a minimum, countries should report sex-disaggregated data on COVID-19 cases and deaths. Yet across 43 countries in the AMRO region, just 20 (47%) reported sex-disaggregated data on both cases and deaths in the past month, with an additional 11 countries (26%) reporting on just one of these indicators in the past month. Six countries (14%) have previously reported either or both of these indicators but are no longer doing so. Six countries (14%) in the region have never reported sex-disaggregated data on cases or deaths that we could locate.

Table 1 lists the countries from the AMRO region currently included in the tracker with the date of the most recent data available for sex-disaggregated data on cases and deaths.

Table 1. Latest Reporting Date of Sex-Disaggregated Case and Death Data across AMRO Countries
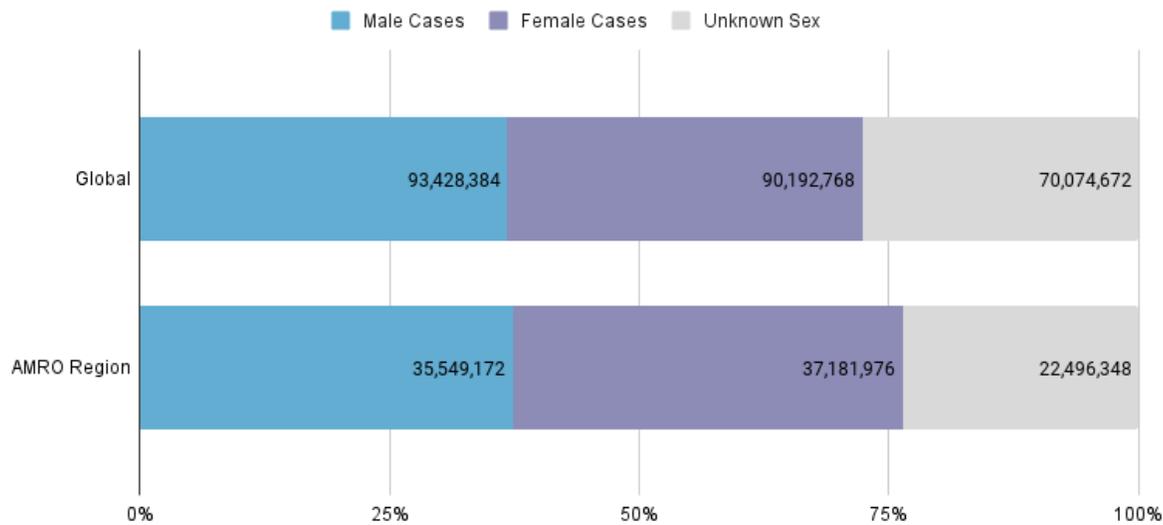
Country	SD Cases Data Available	SD Death Data Available
Anguilla	Aug 2021	Never
Antigua and Barbuda	Never	Never
Argentina	Nov 2021	Oct 2021
Aruba	Nov 2021	Nov 2021
Bahamas	Aug 2021	Aug 2021
Barbados	Nov 2021	Jul 2021
Belize	Oct 2021	Oct 2021
Bermuda	Nov 2021	Oct 2021
Bolivia	Never	Never
Bonaire	Nov 2021	Never
Brazil	Aug 2021	Nov 2021
Canada	Nov 2021	Nov 2021
Cayman Islands	Oct 2021	Never
Chile	Nov 2021	Oct 2021
Colombia	Nov 2021	Nov 2021
Costa Rica	Nov 2021	Nov 2021
Cuba	Dec 2020	Jul 2021
Curaçao	Nov 2021	Nov 2021
Dominica	Never	Never
Dominican Republic	Oct 2021	Oct 2021
Ecuador	Sep 2021	Jul 2021
El Salvador	Nov 2021	Never

Country	SD Cases Data Available	SD Death Data Available
Grenada	Never	Never
Guatemala	Nov 2021	Nov 2021
Guyana	Nov 2021	Never
Haiti	Nov 2021	Jun 2021
Honduras	Nov 2021	Nov 2021
Jamaica	Nov 2021	Nov 2021
Mexico	Nov 2021	Nov 2021
Nicaragua	Never	Never
Panama	Aug 2020	Aug 2020
Paraguay	Nov 2021	Mar 2021
Peru	Nov 2021	Nov 2021
Saint Kitts and Nevis	Nov 2021	Nov 2021
Saint Lucia	Oct 2021	Apr 2021
Saint Vincent and the Grenadines	Sep 2021	Never
Sint Maarten	Nov 2021	Nov 2021
Suriname	Nov 2021	Never
Trinidad and Tobago	Nov 2021	Nov 2021
Turks and Caicos	Nov 2021	Never
USA	Nov 2021	Nov 2021
Uruguay	Never	Never
Venezuela	Nov 2021	Nov 2021

Reported in past month
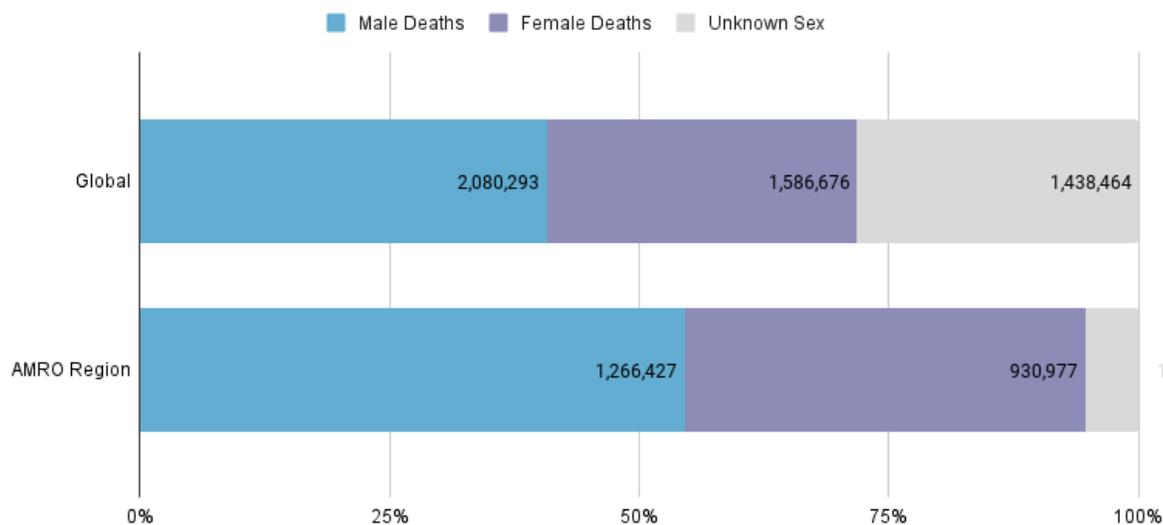
Last reported over a month ago

Never reported

Availability of sex-disaggregated data in the AMRO Region

Of more than 95 million cases and over 2 million deaths reported to the WHO by 16 November 2021 in the Americas, the sex of approximately 1 in 4 of all confirmed cases (24%) and 1 in 20 deaths (5%) is currently unknown. Data availability is similar to the global picture for cases but better for deaths; globally the sex of 28% of cases and 28% of deaths is unknown (see Figures 1 and 2).

Fig 1. Availability of Sex Data for Cases in the Americas and Globally, November 2021

Legend: Male Cases, Female Cases, Unknown Sex

Region	Male Cases	Female Cases	Unknown Sex
Global	93,428,384	90,192,768	70,074,672
AMRO Region	35,549,172	37,181,976	22,496,348

Fig 2. Availability of Sex Data for Deaths in the Americas and Globally, November 2021

Legend: Male Deaths, Female Deaths, Unknown Sex

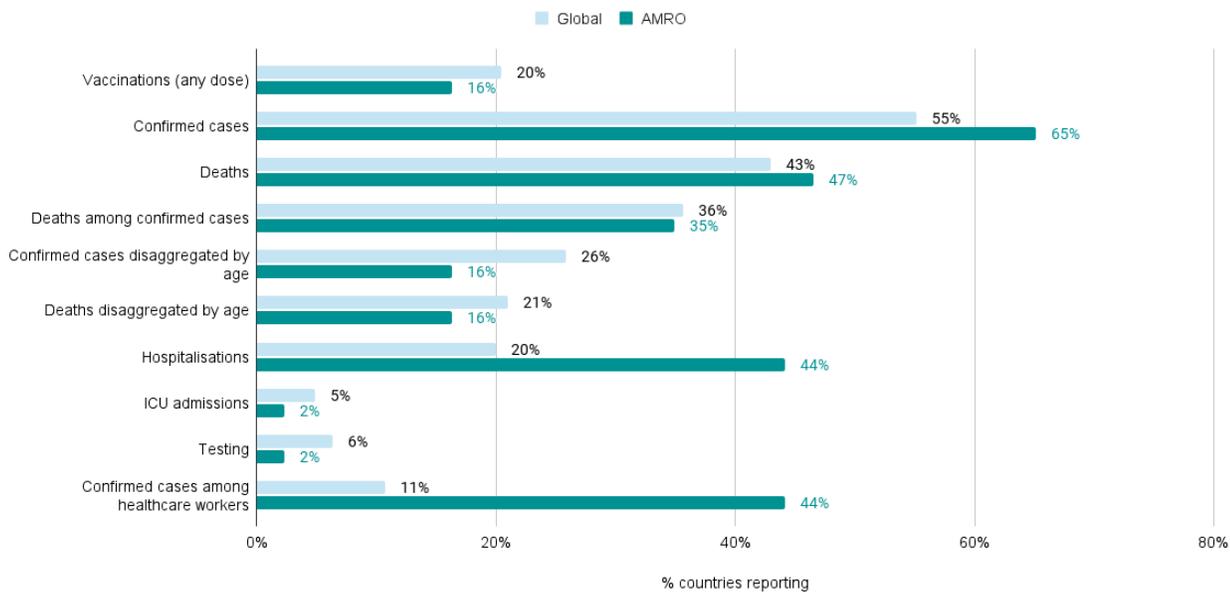| Region	Male Deaths	Female Deaths	Unknown Sex
Global	2,080,293	1,586,676	1,438,464
AMRO Region	1,266,427	930,977	1

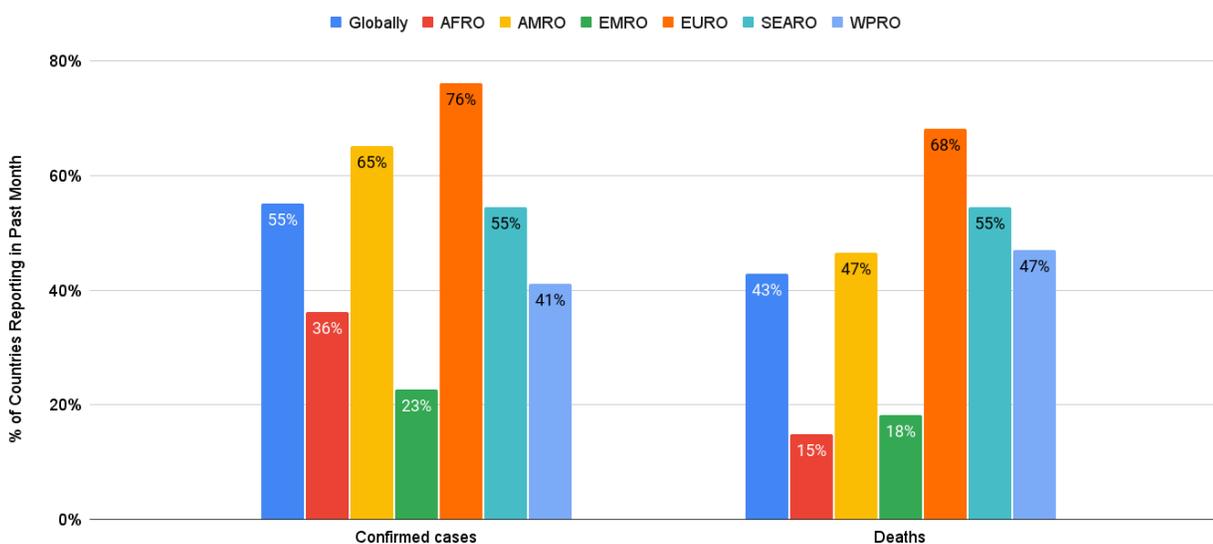## Data availability along the clinical pathway in the AMRO Region and Globally

The Tracker collects sex-disaggregated data for indicators along the clinical pathway, from vaccinations to testing, cases, hospitalisations, ICU admissions and deaths. In general, sex-disaggregated data availability in the AMRO region is fairly similar to data availability at the global level (see figure 3).

Across the AMRO region, the most common indicators where countries have reported sex-disaggregated data in the past month are confirmed cases and deaths, with 65% and 47% of countries reporting respectively. The least common indicators were testing (2%) and intensive care admissions (2%).

Fig 3. Proportion of countries reporting sex-disaggregated data by Indicator in the past month, Globally and for AMRO Region, November 2021

Fig 4. Proportion of countries reporting sex-disaggregated case and death data across WHO regions and globally, November 2021
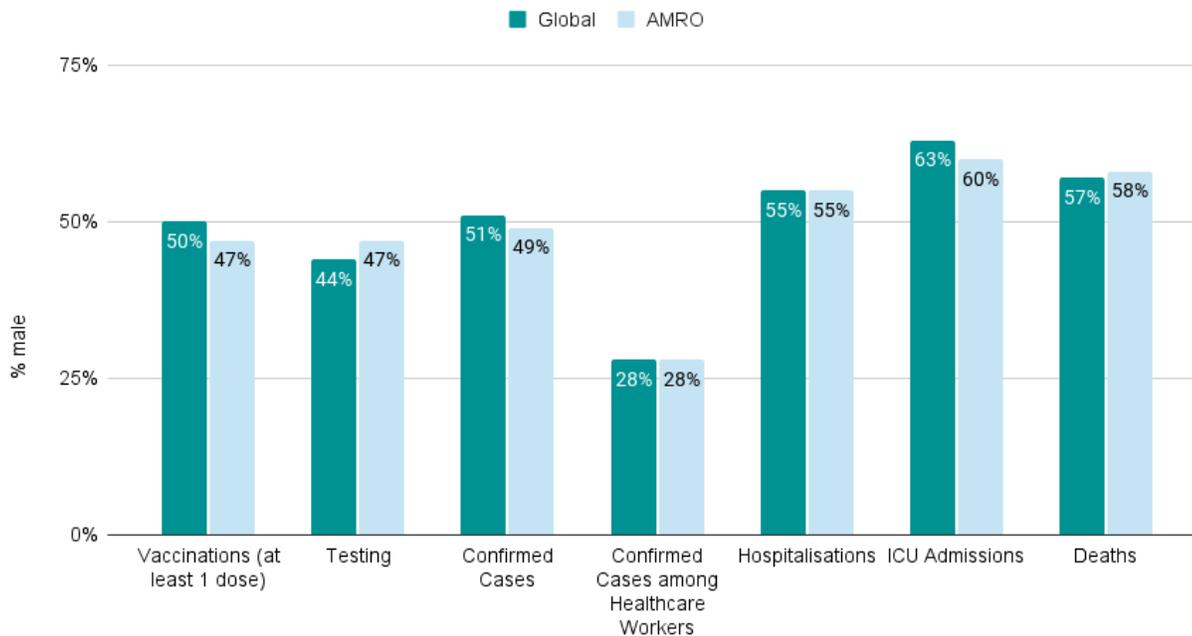

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A look along the Clinical Pathway

The sex differences seen across clinical pathway indicators in the AMRO region are largely consistent with what has been reported globally (see Figure 5).
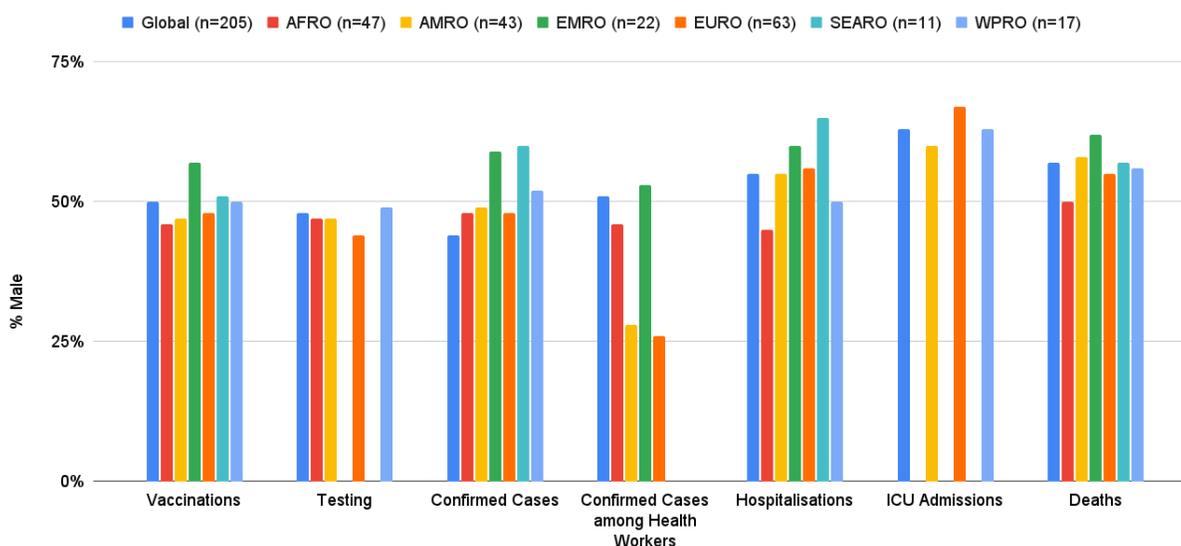
In the Americas, men are being vaccinated and tested slightly less than women, but they account for more reported hospitalisations, ICU admissions and deaths than women. In the Americas and globally, male and female confirmed cases of COVID-19 are nearly equal. In the AMRO region, men make up a similar proportion of confirmed cases among healthcare workers as globally, though very few countries are reporting this data.

Figure 6 shows the percentage of male outcomes along the clinical pathway indicators for all WHO regions.

Fig. 5. Percent of Males Reported for Clinical Pathway Indicators in AMRO Region and Globally, November 2021

Fig. 6. Percent of Males Reported for Clinical Pathway Indicators by WHO Region, November 2021

About the COVID-19 Sex-Disaggregated Data Tracker

The COVID-19 Sex-Disaggregated Data Tracker is the world's largest database of sex-disaggregated data on COVID-19 health outcomes. The tracker currently collects data from 200+ countries on testing, confirmed cases (including among health workers), hospitalisations, intensive care unit (ICU) admissions, and deaths among women and men. It is also tracking the availability of data disaggregated by other social and demographic characteristics as well as data on pre-existing comorbidities. Data is collected directly from official national sources, including ministry of health websites, national statistics sites, death registers and government social media accounts. The Tracker is updated once a month.

About the Sex, Gender and COVID-19 Project

The Sex, Gender and COVID-19 Project is a partnership of Global Health 50/50, the International Center for Research on Women and the African Population and Health Research Center. Together, these partners are investigating the roles sex and gender are playing in the outbreak, building the evidence base of what works to tackle gender disparities in COVID-19 health outcomes, and advocating for effective gender-responsive approaches to COVID-19.

Learn more about sex, gender and COVID-19 and explore the Sex-Disaggregated Data Tracker here: https://globalhealth5050.org/the-sex-gender-and-covid-19-project/

For further information contact:
Anna Purdie, info@globalhealth5050.org
Abhishek Gautam, agautam@icrw.org
Sylvia Muyingo, smuyingo@aphrc.org

If you are aware of countries that are reporting data that we have not been able to locate or collect, we would be grateful if you could make us aware by emailing us at info@globalhealth5050.org and sharing a link to where the data can be found.

Engage with us: @Globalhlth5050   @APHRC   @ICRW