

# COVID-19 Vaccination Insights Report

*11 April 2023*



# Notes & disclaimer

---

## **Description:**

- A standard analytic report produced of key COVID-19 vaccine implementation data, including uptake, supply received, and delivery financing across WHO Member States, the COVAX AMC portfolio and the 34 Countries for Concerted Support.

---

## **Data inputs:**

- COVAX/CoVDP Demand & Supply Planning Mechanism data (Country coverage targets)
- UN DESA Population Division Population Data (Total population; 12+ population; 18+ population; 60+ population)
- UNICEF COVID-19 Vaccine Financial Monitoring Database (Total allocated external financing for vaccine delivery)
- UNICEF COVID-19 Vaccine Market Dashboard Data (Total COVID-19 vaccine doses delivered [all sources])
- WHO/UNICEF electronic Joint Reporting Form (eJRF) (Uptake in healthcare worker and 60+ populations, gender-disaggregated uptake)
- WHO COVID-19 Vaccine Administration Data System (Total doses administered; Individuals with at least one dose; Individuals fully vaccinated)

---

## **Methodology:**

- Methods for analyses presented in this report are contained in the COVID-19 Vaccination Data & Monitoring Coordination Manual ([link](#))

---

## **Inquiries:**

- Please contact the COVID-19 Vaccination Data Team at [c19vxdata@who.int](mailto:c19vxdata@who.int).

---

## **Disclaimer:**

- The data found in this report have been produced and processed from sources believed to be reliable. While these data and analyses are provided in good faith and to the best of the World Health Organization's (WHO's) knowledge, WHO does not commit to it being up to date. While every effort is made to ensure the data quality, the data and analyses are provided "as is." The burden of fitness of the data and analyses lies completely with the user. The accuracy of any user's statistical analysis and any reported findings are not the responsibility of WHO. WHO does not make any warranty, express or implied, including warranties of fitness for a particular purpose, or assume any legal liability or responsibility for the accuracy, completeness, reliability, or usefulness of any information provided (either isolated or in the aggregate), or represent that its use would not infringe privately owned rights.

Maps in this report do not reflect a position by WHO on the legal status of any country or territory or the delimitation of any frontiers.

# Contents

- I. **WHO Member State analysis**
- II. **COVAX AMC portfolio analysis**
- III. **Countries for Concerted Support analysis**
- IV. **Annexes**

# **I. WHO Member State analysis**

DATA AS OF 05/04/2023

## Key global figures on COVID-19 vaccination

Current	1-Month Change	
13.3bn	94M	<b>doses of COVID-19 vaccines</b> have been administered globally
89 %	-0%	<b>of health workers</b> have received a complete primary series across WHO MS
82 %	-0%	<b>of older adults</b> have received a complete primary series across WHO MS
66 %	-0%	<b>of the general population</b> has received a complete primary series across WHO MS – 23% in LICs

### Out of 194 WHO Member States

68 

Member States have vaccinated **more than 70% of their population**

138 

Member States have vaccinated **more than 40% of their population**

186 

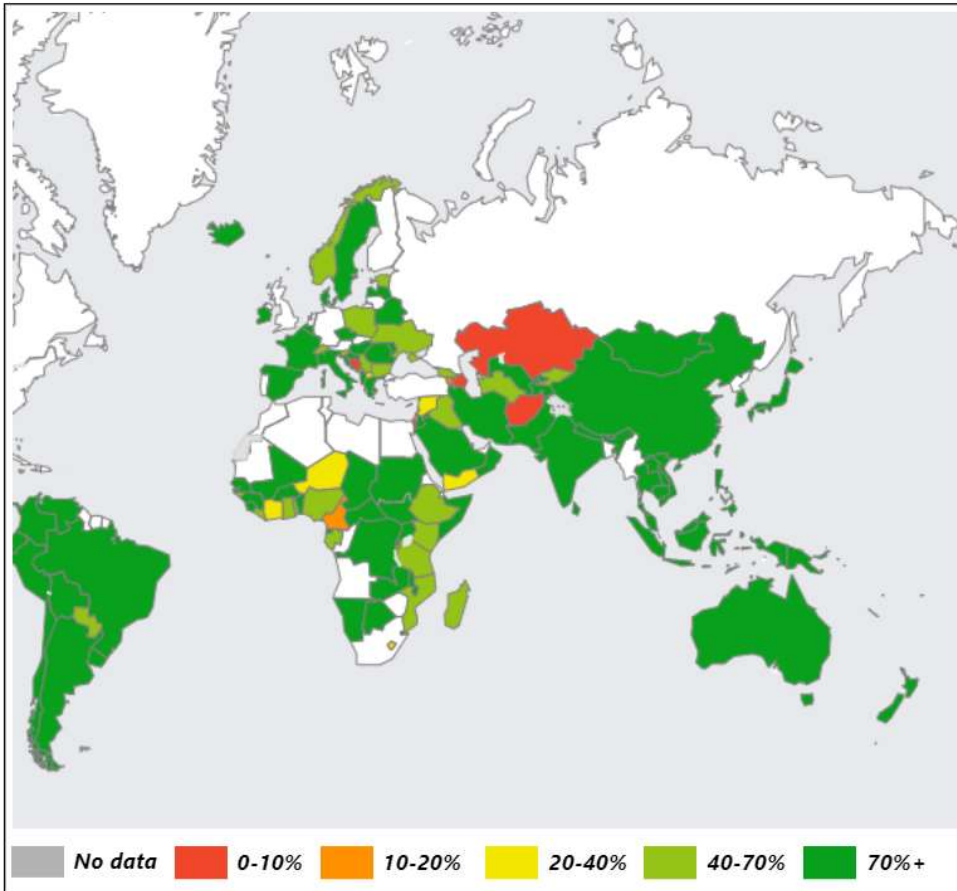
Member States have vaccinated **more than 10% of their population**

186 

Member States have **started booster / additional dose programs**

DATA AS OF 05/04/2023

# Healthcare worker coverage across reporting WHO Member States



WHO region	WHO MS reporting	Complete	Partial
AFR	38	63 %	
AMR	19	99 %	
EMR	12	71 %	
EUR	40	73 %	
SEAR	7	100 %	
WPR	27	96 %	
<b>Total</b>	<b>143</b>		

Income group	WHO MS reporting	Complete	Partial
1) LIC	25	52 %	
2) LMIC	42	89 %	
3) UMIC	39	92 %	
4) HIC	35	89 %	
5) Other	2	93 %	
<b>Total</b>	<b>143</b>		

**143**

WHO MS have reported at least once on healthcare worker vaccination coverage

**59 %**

of total healthcare workers are in reporting WHO MS of total healthcare workers in all WHO MS

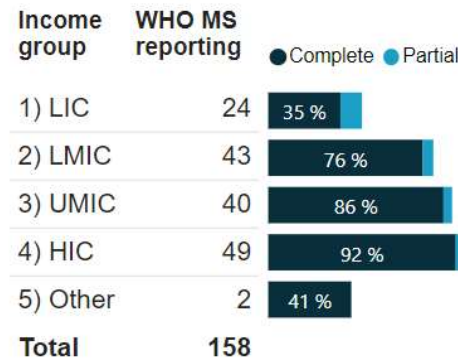
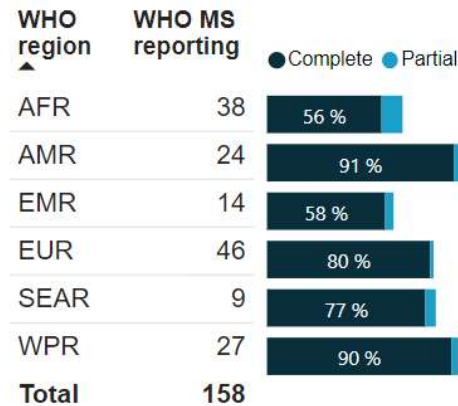
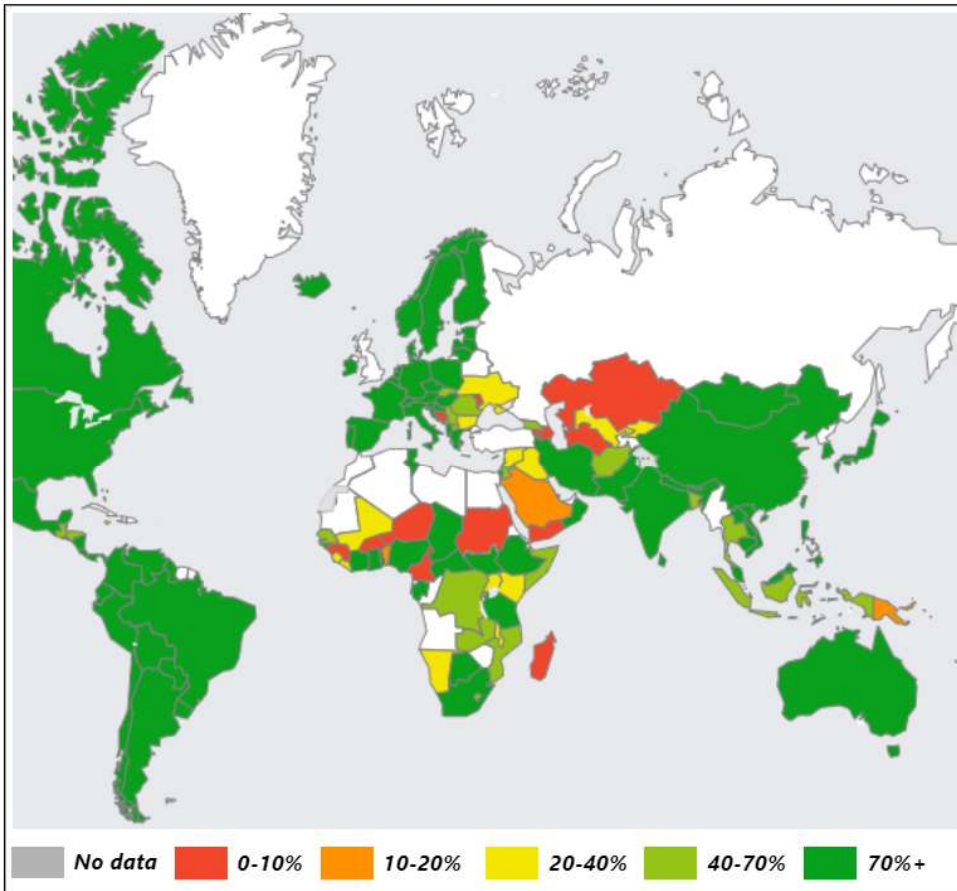
**89 %**

of total healthcare workers with a complete primary series across reporting WHO MS

**Notes:** Coverage figures are capped at 100%. Target population definitions vary, especially across HICs; this can impact uptake figures reported. Estimated healthcare worker population sizes vary by source (ILO vs. country reports). A correction factor was applied to countries reporting inconsistent figures. Cook Islands and Niue are not categorized in an income group by the World Bank.

DATA AS OF 05/04/2023

# Older adult coverage across reporting WHO Member States



**158**

WHO MS have reported at least once on older adult vaccination coverage

**90 %**

of older adults are in reporting WHO MS of total older adults in all WHO MS

**82 %**

of total older adults with a complete primary series across reporting WHO MS

**Notes:** Coverage figures are capped at 100%. Target population definitions vary; country-specific definitions of older adults are used to calculate older adult population population denominators using data from the United Nations Population Division. Cook Islands and Niue are not categorized in an income group by the World Bank.

DATA AS OF 05/04/2023

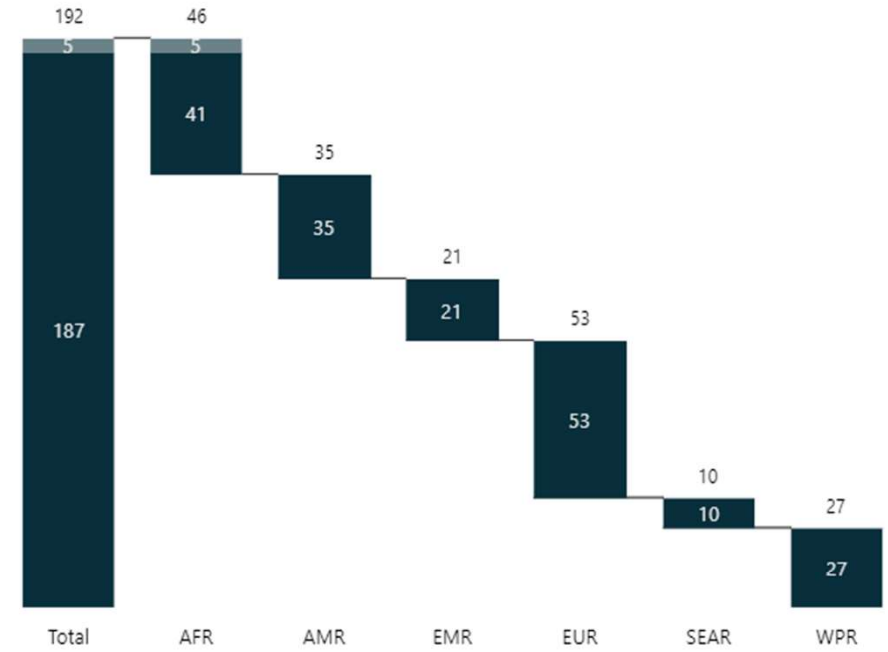
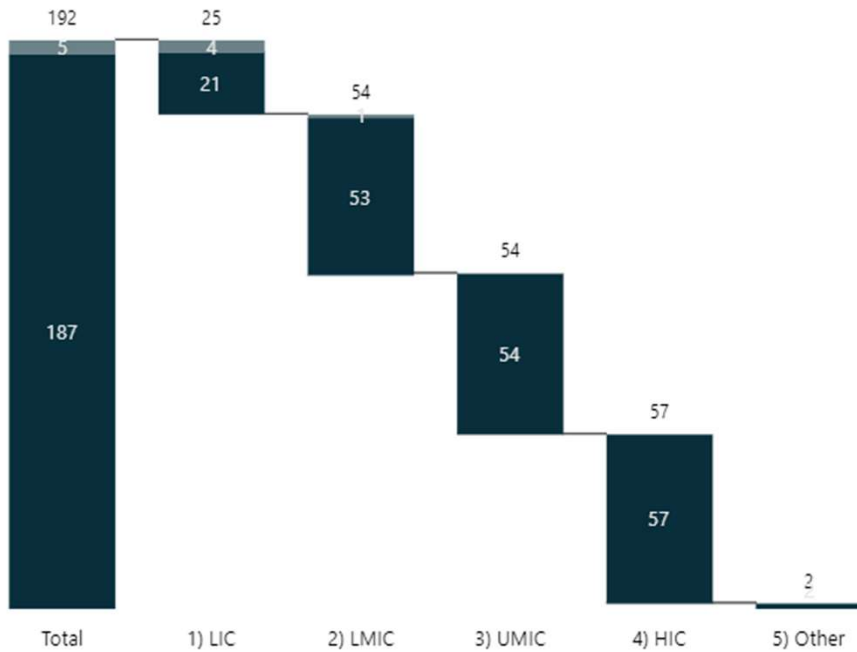
# 187 WHO Member States have COVID-19 vaccine booster / additional doses programs; some lower income country countries do not

Status of COVID-19 boosters/additional dose programmes, # of WHO Member States

Not started a booster dose program  
Started a booster dose program

Per income group

Per WHO region



Sources: WHO COVID-19 vaccine administration data system, WHO Regional Offices. | Notes: DPR Korea and Eritrea are excluded as they are not vaccinating against COVID-19.

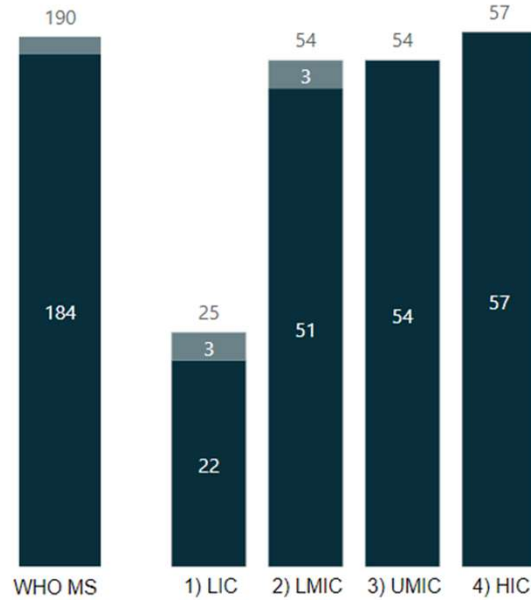
DATA AS OF 05/04/2023

# 6 LICs (out of 25) have achieved 40% COVID-19 immunization coverage as of 24 February

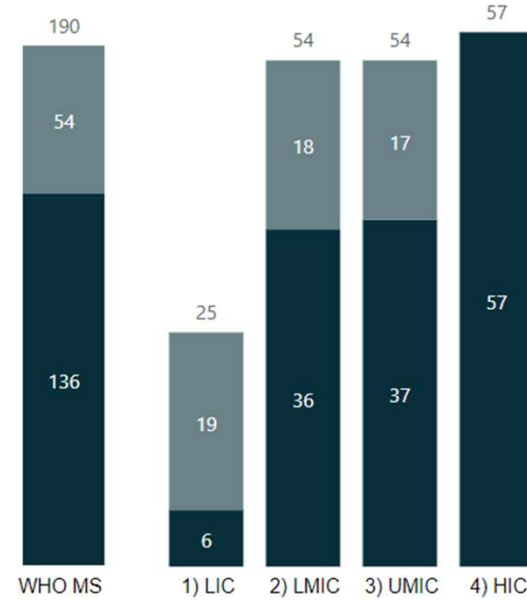
## COVID-19 vaccination coverage of WHO Member states, per income group (# of MS)

Have not reached the ambition  
Reached the ambition

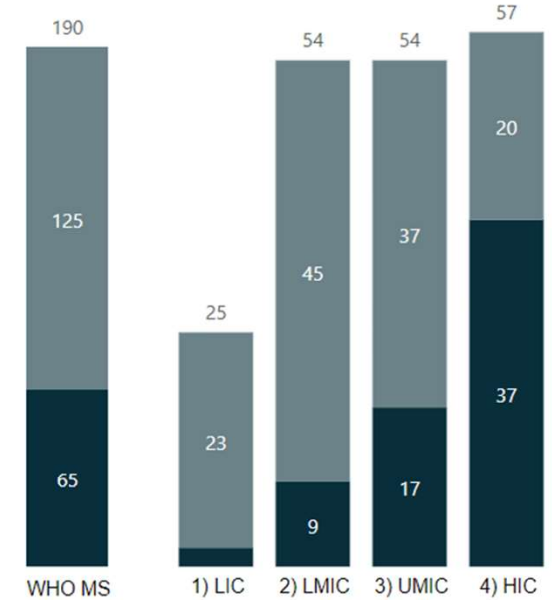
### Coverage >10%



### Coverage >40%



### Coverage >70%



Source: WHO COVID-19 vaccine administration data system. | Notes: DPR Korea and Eritrea are excluded as they are not vaccinating against COVID-19. Cook Islands and Niue are excluded as they are not categorized in an income group by the World Bank.

## **II. COVAX AMC portfolio analysis**

DATA AS OF 05/04/2023

# Aggregate vaccine implementation figures across AMC participants

## Administration

Current	1-Month Change	
5.0bn	33M	Total number of vaccine doses administered across AMC participants <b>since implementation start</b>
2.4bn	14M	Total number of individuals with <b>at least one dose</b> across AMC participants
2.1bn	16M	Total number of individuals with <b>a complete primary series</b> across AMC participants
637.6M	13M	Total number of individuals with <b>at least one booster dose</b> across AMC participants
0.01%	0%	Median 4-week average daily vaccination rate across AMC participants

## Supply

62%	-0%	Median number of vaccine courses received as a percent of population across AMC participants
Forthcoming	Forthcoming	Number of AMC participants that have received supply of product with improved attributes

## Financing

3.20	0	Median external allocated financing for vaccine delivery per capita across AMC participants
------	---	---

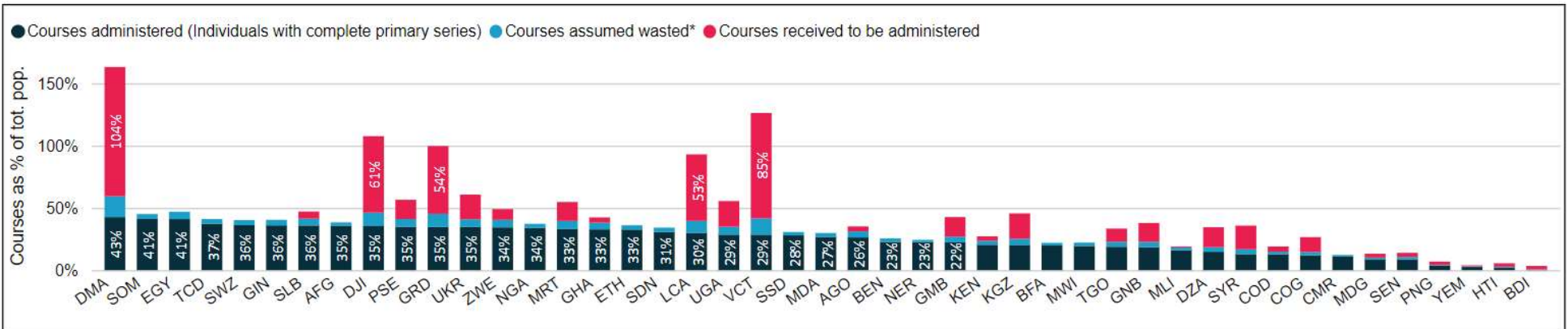
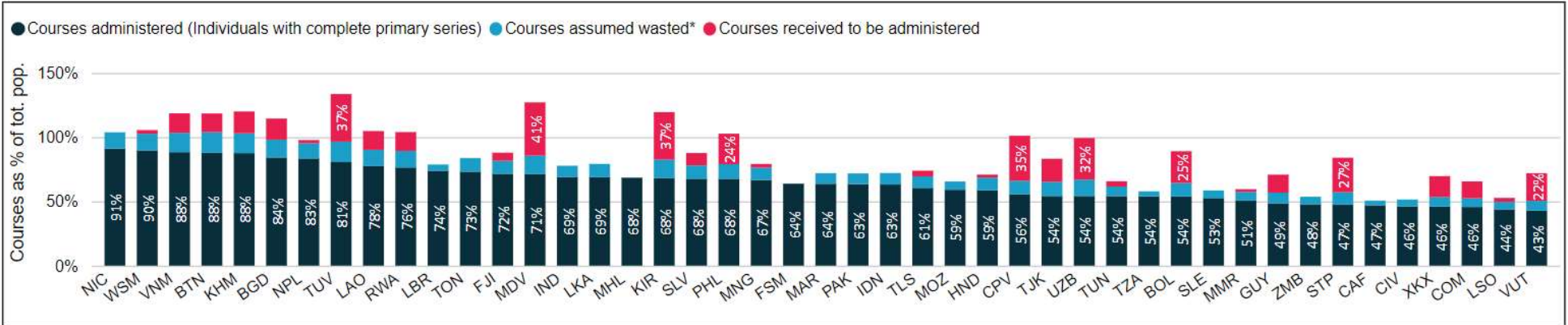
## Coverage

Current	1-Month Change	
<u>Health care workers</u>		
72	0	Number of AMC participants that have reported at least once on <b>healthcare worker</b> primary series uptake
82%	1%	Aggregate complete primary series coverage of <b>healthcare workers</b> across AMC participants
<u>Older adults</u>		
75	0	Number of AMC participants that have reported at least once on <b>older adult</b> primary series uptake
69 %	-0%	Aggregate complete primary series coverage of <b>older adults</b> across AMC participants
<u>Total population</u>		
55 %	-0%	Aggregate complete primary series coverage across AMC participants
16%	-0%	Aggregate coverage with at least one booster across AMC participants
<u>Humanitarian populations</u>		
Forthcoming	Forthcoming	Aggregate complete primary series coverage across areas with people in need of humanitarian assistance

**Sources:** IMF-WHO COVID-19 Vaccine Supply Tracker; UNICEF COVID-19 Vaccine Market Dashboard; WHO COVID-19 vaccine administration data | **Notes:** A vaccine course is the number of doses required for a given product for its primary series.

DATA AS OF 05/04/2023

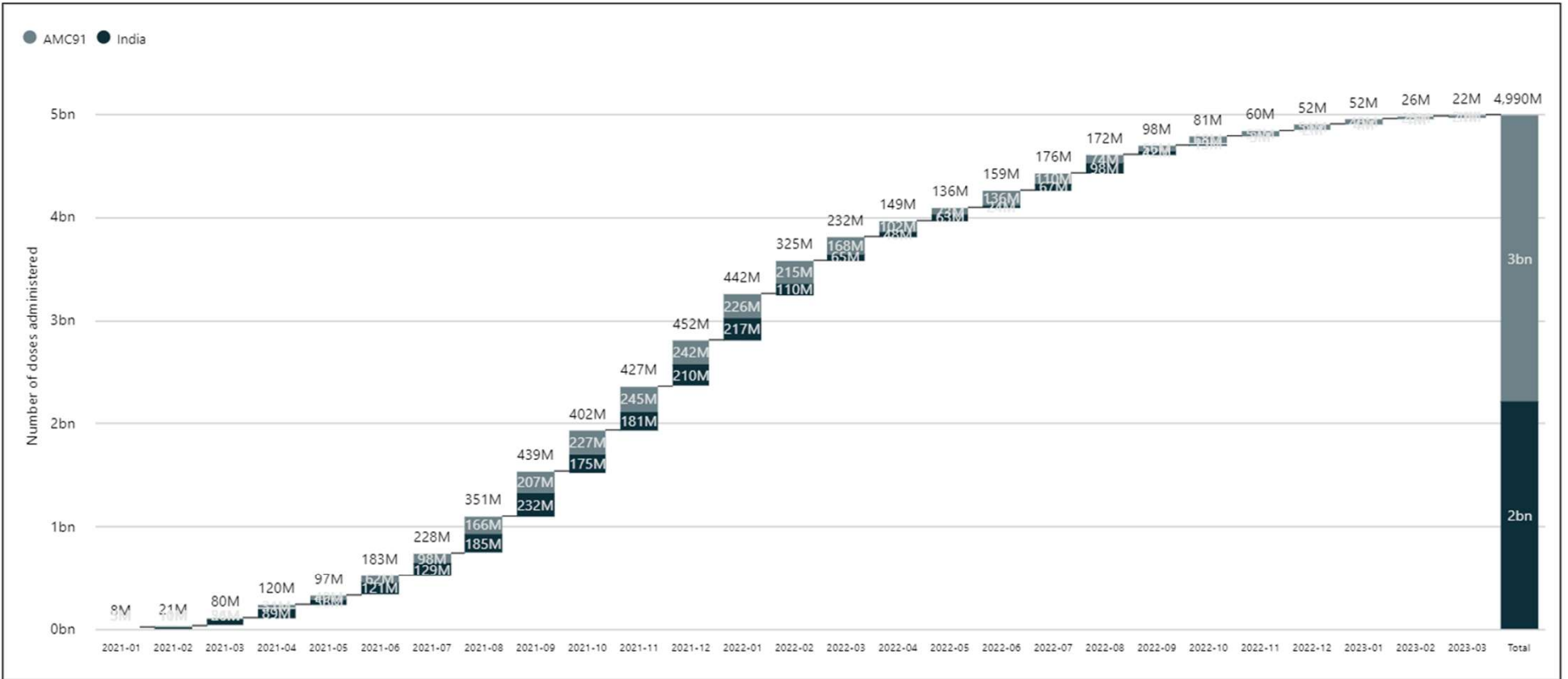
# Vaccine courses administered and received as percentage of total population across AMC participants



Sources: IMF-WHO COVID-19 Vaccine Supply Tracker; UNICEF COVID-19 Vaccine Market Dashboard; WHO C19 vaccine administration data | Notes: \* standard 10% wastage assumption. A vaccine course is equivalent to the number of doses required of a product for full schedule administration. ERI and DPK are not vaccinating; MHL and FSM are not reflected in the UNICEF Market Dashboard.

DATA AS OF 05/04/2023

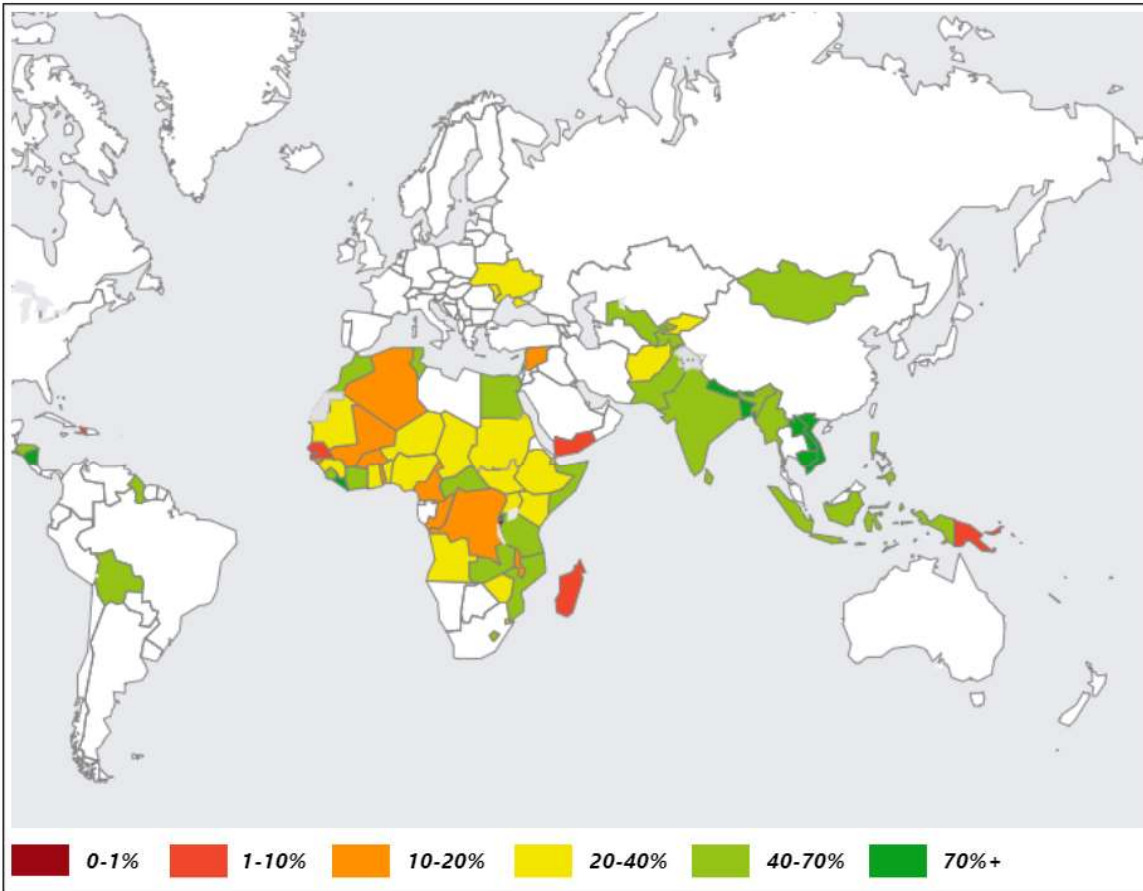
# Aggregate, historical dose absorption by month across the AMC participant portfolio for the January 2021 - March 2023 period



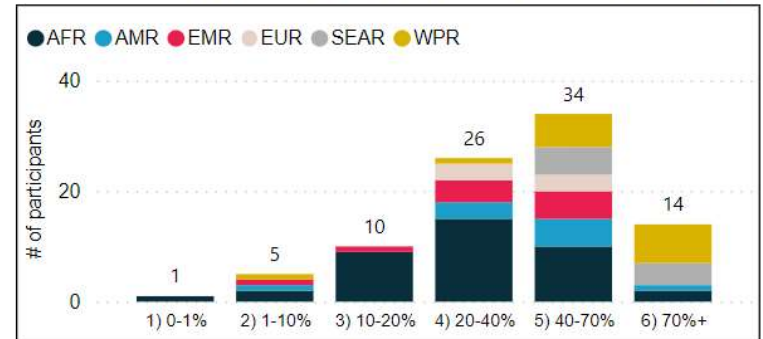
Source: WHO COVID-19 vaccine administration data system | Notes: Eritrea and DPR Korea have not started COVID-19 vaccination.

DATA AS OF 05/04/2023

# Complete primary series coverage across AMC participants



Participant count by complete primary series coverage category



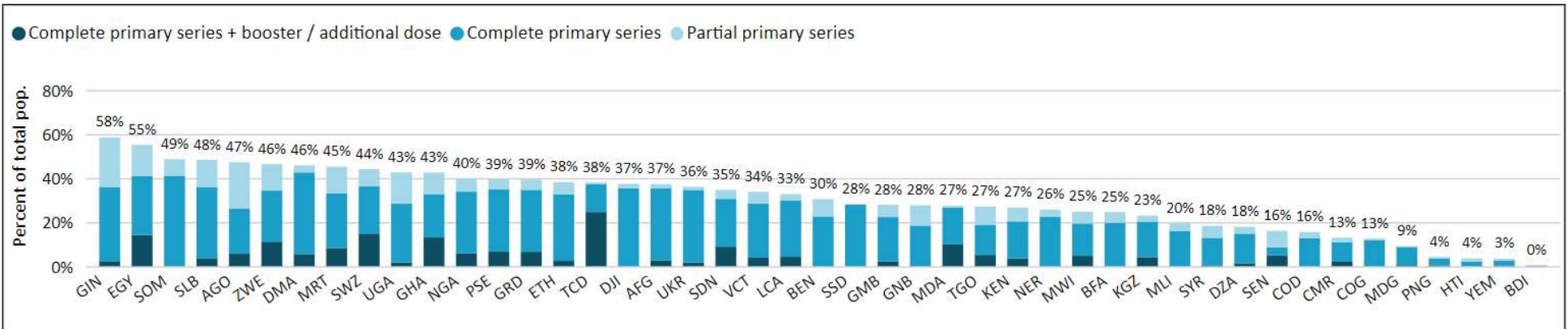
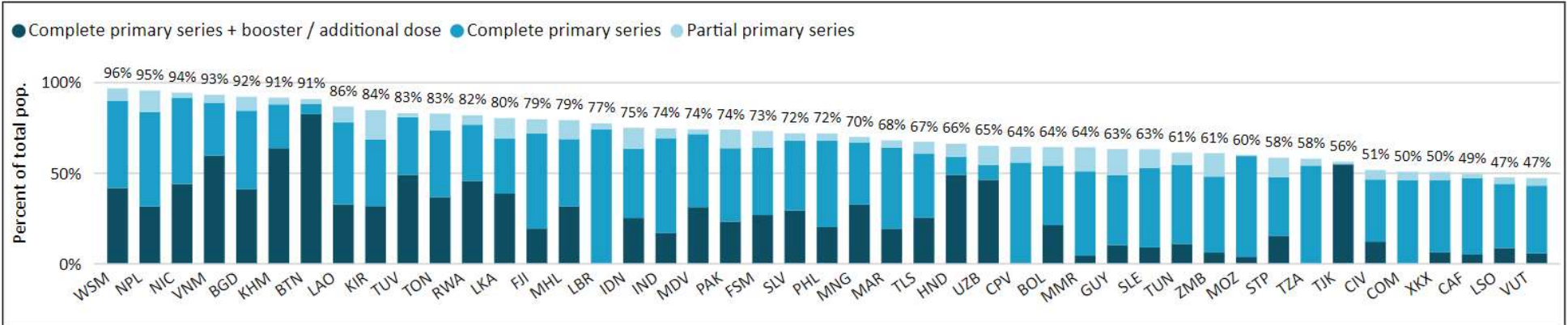
Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. pop.)	Complete primary series coverage (% of tot. pop.)	First booster coverage (% of tot. pop.)
AFR	40	36 %	30 %	4 %
AMR	10	55 %	49 %	26 %
EMR	11	56 %	48 %	15 %
EUR	6	47 %	42 %	22 %
SEAR	10	75 %	68 %	20 %
WPR	15	79 %	75 %	38 %
<b>Total</b>	<b>92</b>	<b>61 %</b>	<b>55 %</b>	<b>16 %</b>

\* Complete primary series: One or two doses according to country policy | Source: WHO COVID-19 vaccine administration data system | Notes: Eritrea and DPR Korea have not started COVID-19 vaccination.

DATA AS OF 05/04/2023

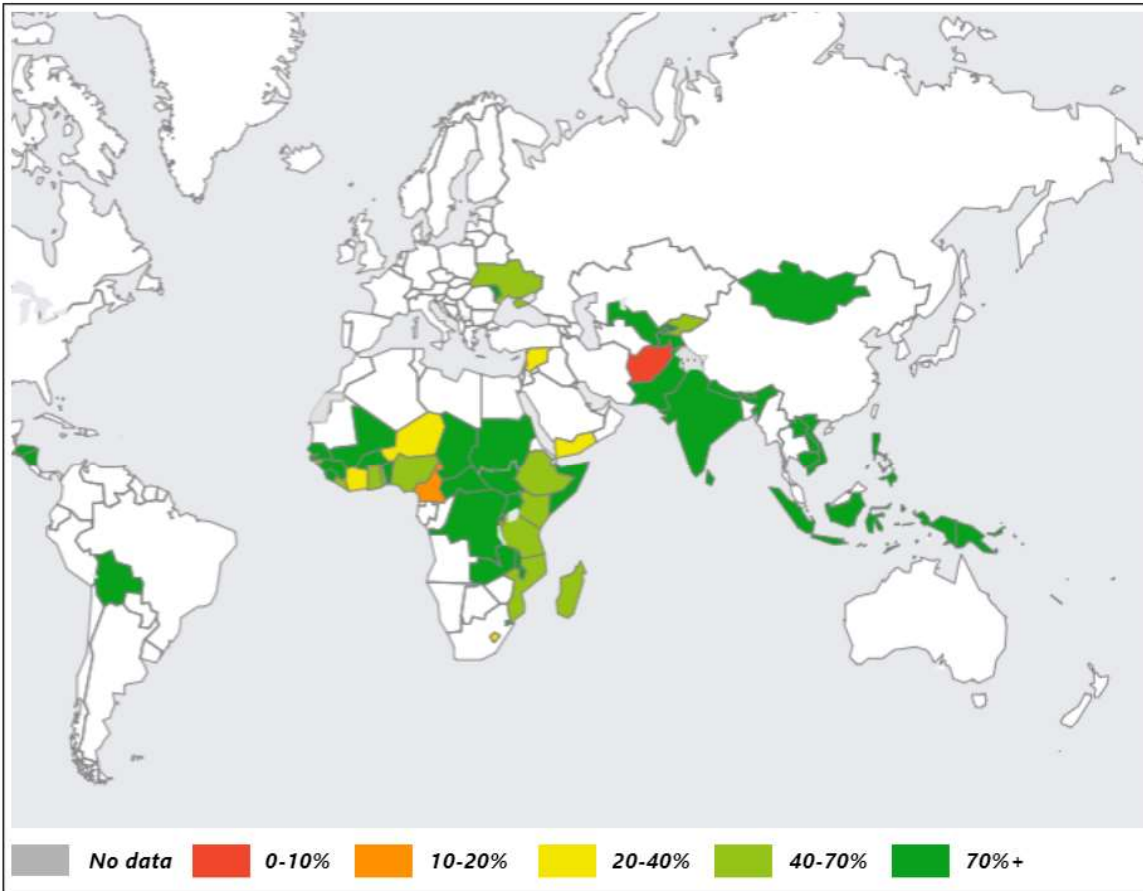
# Coverage of partial primary series, complete primary series, and complete primary series + booster / additional dose across AMC participants



\* Complete primary series: One or two doses according to country policy | Source: WHO COVID-19 vaccine administration data system | Notes: Eritrea and DPR Korea have not started COVID-19 vaccination.

DATA AS OF 05/04/2023

# Healthcare worker vaccination coverage in reporting AMC participants



## Aggregate view across AMC participants

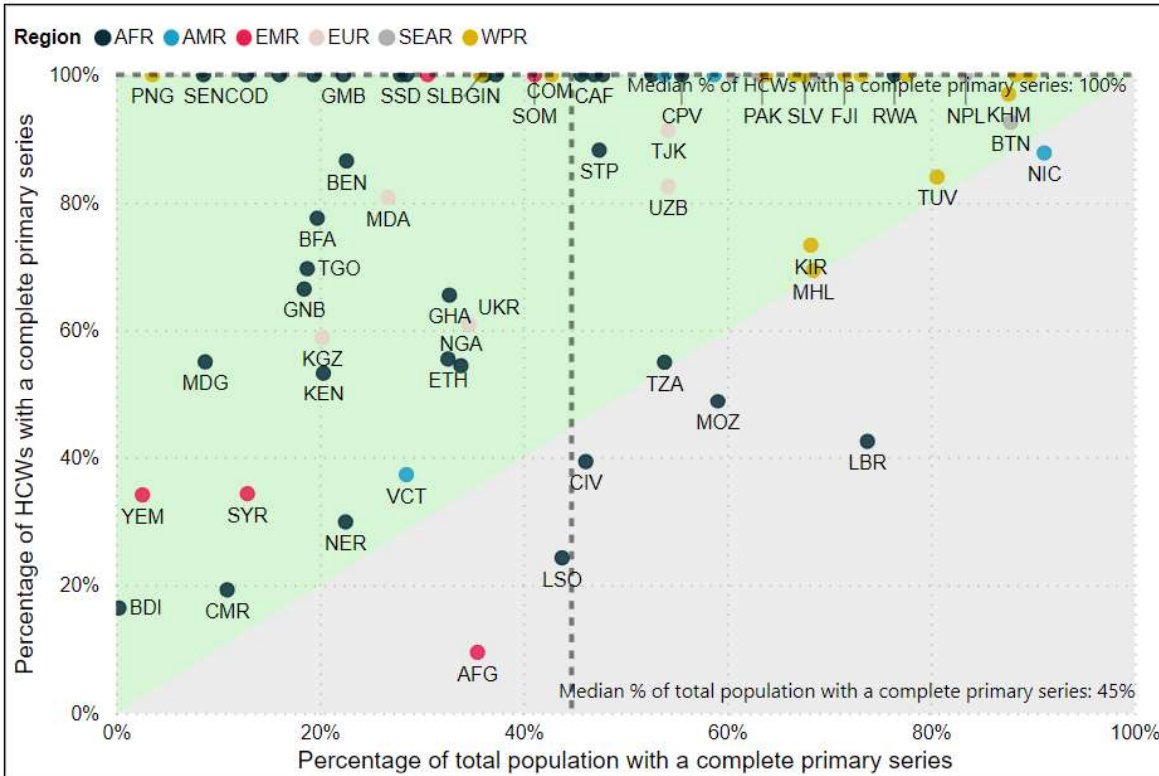
- 72** Number of AMC participants having reported at least once on healthcare worker vaccination coverage
- 19M** Number of healthcare workers in reporting AMC participants
- 88 %** Percent of healthcare workers in reporting AMC participants of total healthcare workers in all AMC
- 82 %** Percent of total healthcare workers with a complete primary series across reporting AMC participants

## Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. HCW pop.)	Complete primary series coverage (% of tot. healthcare worker pop.)	First booster coverage (% of tot. healthcare worker pop.)
AFR	34	78 %	63 %	10 %
AMR	5	98 %	98 %	76 %
EMR	7	60 %	59 %	45 %
EUR	5	71 %	70 %	16 %
SEAR	6	100 %	100 %	99 %
WPR	15	100 %	100 %	50 %
<b>Total</b>	<b>72</b>	<b>86 %</b>	<b>82 %</b>	<b>57 %</b>

\* Complete primary series: One or two doses according to country policy | Sources: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data

# Comparison of complete primary series coverage in total population and healthcare workers across reporting AMC participants



65

Number of AMC participants with complete primary series coverage of healthcare workers **greater** than total

6

Number of AMC participants with complete primary series coverage of healthcare workers **lesser** than total

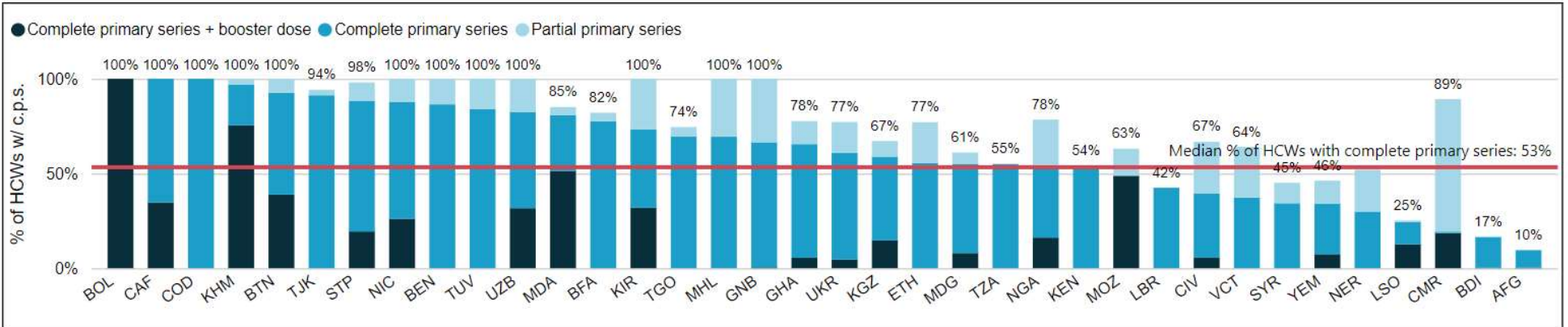
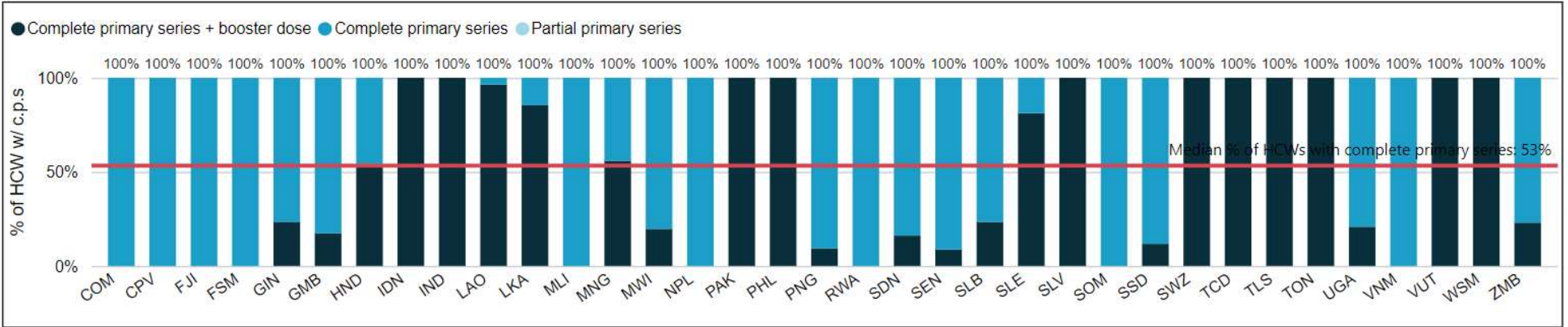
Comparison	Participants
AMC participants with complete primary series coverage of healthcare workers lesser than total	Afghanistan; Côte d'Ivoire; Liberia; Lesotho; Mozambique; Nicaragua
AMC participants with complete primary series coverage of healthcare workers greater than total	Burundi; Benin; Burkina Faso; Bolivia; Bhutan; CAR; Cameroon; DR Congo; Comoros; Cabo Verde; Ethiopia; Fiji; Micronesia; Ghana; Guinea; Gambia; Guinea-Bissau; Honduras; Indonesia; India; Kenya; Kyrgyzstan; Cambodia; Kiribati; Laos; Sri Lanka; Republic of Moldova; Madagascar; Marshall Islands; Mali; Mongolia; Malawi; Niger; Nigeria; Nepal; Pakistan; Philippines; Papua New Guinea; Rwanda; Sudan; Senegal; Solomon Islands; Sierra Leone; El Salvador; Somalia; South Sudan; Sao Tome & Principe; Eswatini; Syria; Chad; Togo; Tajikistan; Timor-Leste; Tonga; Tuvalu; Tanzania; Uganda; Ukraine; Uzbekistan; Saint Vincent & The Grenadines; Viet Nam; Vanuatu; Samoa; Yemen; Zambia

Greater percentage of healthcare workers with complete primary series  Greater percentage of total population with complete primary series

\* Complete primary series: One or two doses according to country policy | **Source:** WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data | **Note:** Percentage of healthcare workers with a complete primary series is capped at 100% in the event the number of individuals reported with a complete primary series is greater than total target population size.

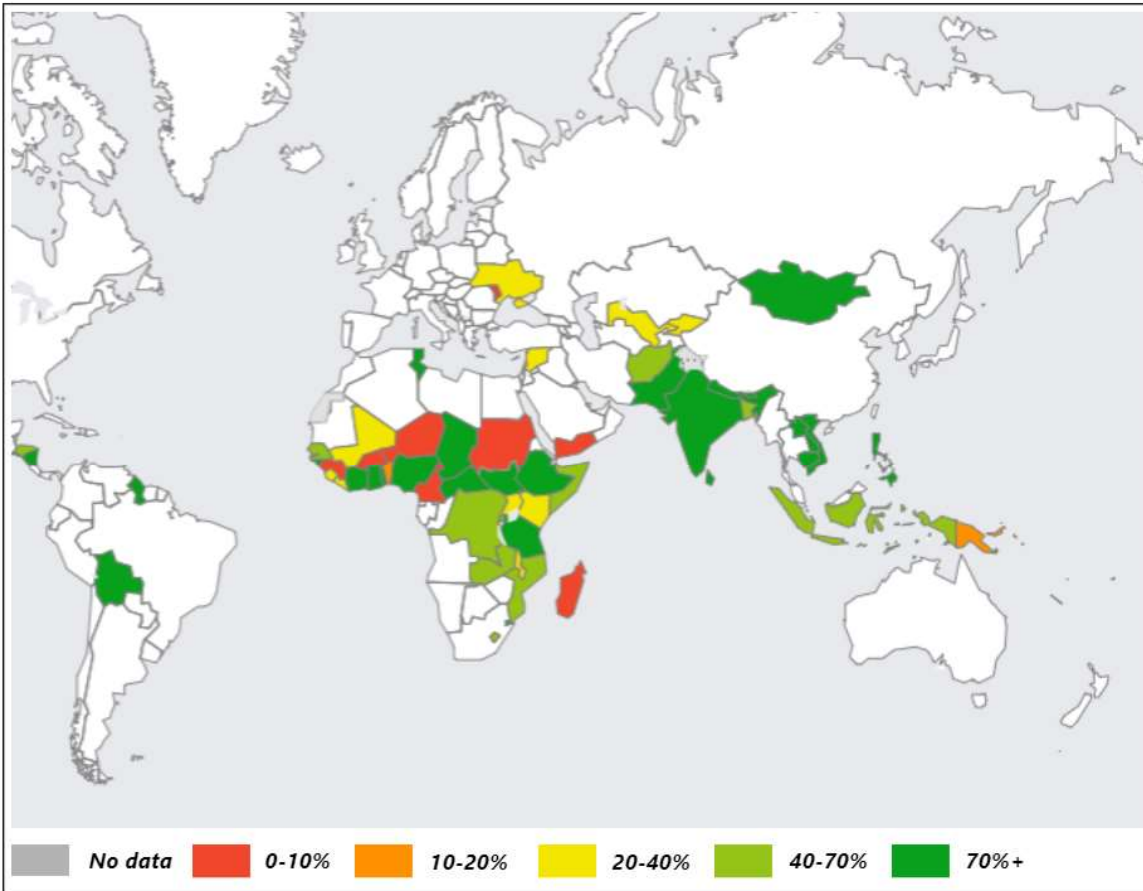
DATA AS OF 05/04/2023

# Coverage of partial primary series, complete primary series, and booster / additional dose of HCW population across AMC participants



\* Complete primary series: One or two doses according to country policy | **Source:** WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data | **Note:** Percentage of healthcare workers fully vaccinated is capped at 100% in the event the number of individuals reported fully vaccinated is greater than total target population size.

# Older adult vaccination coverage in reporting AMC participants



### Aggregate view across AMC participants

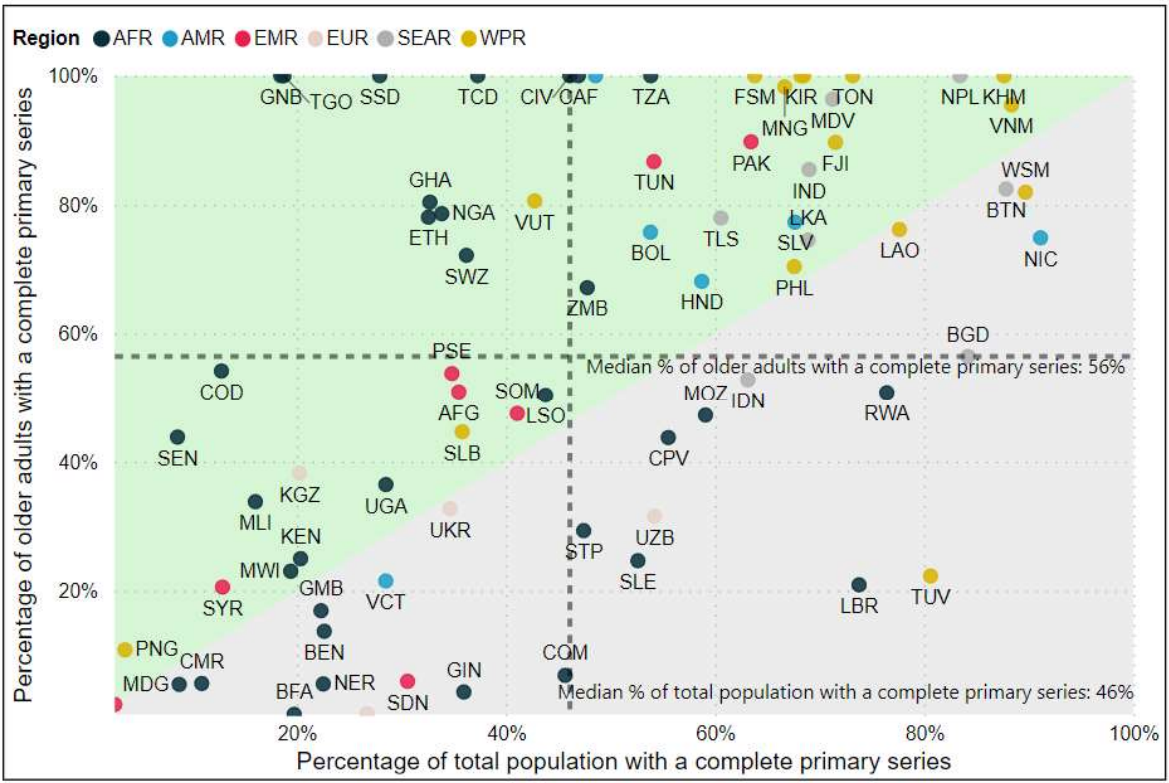
- 75** Number of AMC participants having reported at least once on older adult vaccination coverage
- 306M** Number of country-defined older adults in reporting AMC participants
- 91 %** Percent of older adults in AMC participants of total older adults in all AMC
- 69 %** Percent of older adults with a complete primary series across reporting AMC participants

### Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. older adult pop.)	Complete primary series coverage (% of tot. older adult pop.)	First booster coverage (% of tot. older adult pop.)
AFR	33	65 %	55 %	7 %
AMR	6	82 %	75 %	49 %
EMR	8	61 %	57 %	20 %
EUR	5	34 %	31 %	6 %
SEAR	8	84 %	79 %	30 %
WPR	15	81 %	78 %	18 %
<b>Total</b>	<b>75</b>	<b>75 %</b>	<b>69 %</b>	<b>22 %</b>

\* Complete primary series: One or two doses according to country policy | Sources: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data

# Comparison of complete primary series coverage in total population and older adults across reporting AMC participants



47

Number of AMC participants with complete primary series coverage of older adults **greater** than total

27

Number of AMC participants with complete primary series coverage of older adults **lesser** than total

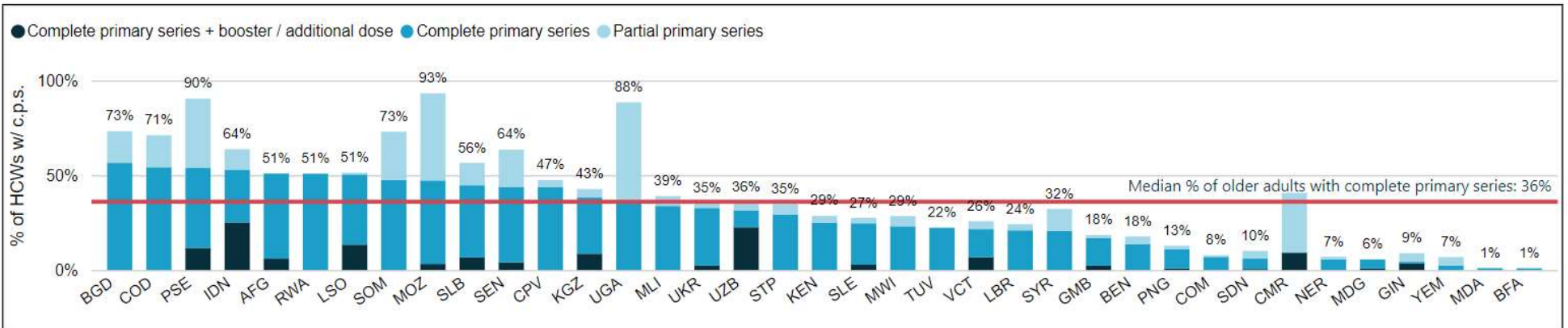
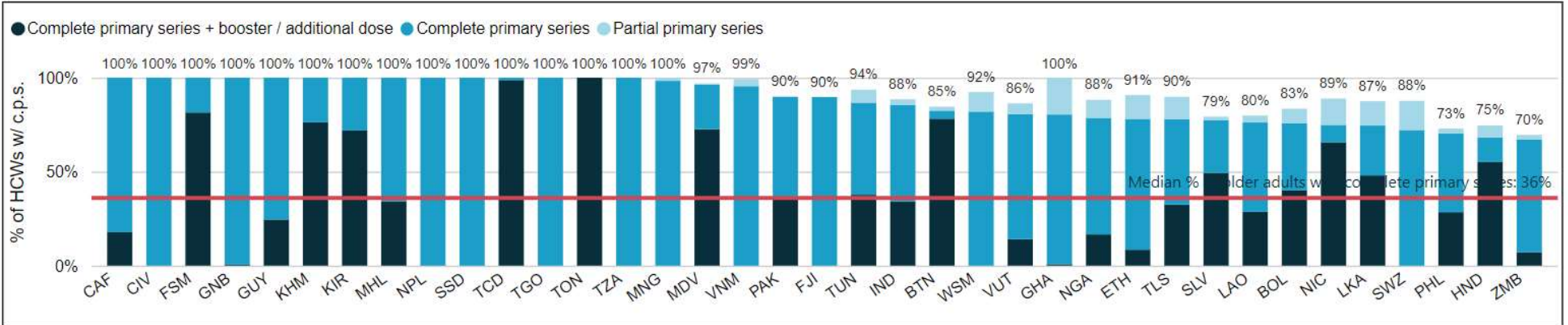
Comparison	Participants
AMC participants with complete primary series coverage of older adults greater than total	Afghanistan; Bolivia; CAR; Côte d'Ivoire; DR Congo; Ethiopia; Fiji; Micronesia; Ghana; Guinea-Bissau; Guyana; Honduras; India; Kenya; Kyrgyzstan; Cambodia; Kiribati; Sri Lanka; Lesotho; Maldives; Marshall Islands; Mali; Mongolia; Malawi; Nigeria; Nepal; Pakistan; Philippines; Papua New Guinea; West Bank and Gaza; Senegal; Solomon Islands; El Salvador; Somalia; South Sudan; Eswatini; Syria; Chad; Togo; Timor-Leste; Tonga; Tunisia; Tanzania; Uganda; Viet Nam; Vanuatu; Zambia
AMC participants with complete primary series coverage of older adults lesser than total	Benin; Burkina Faso; Bangladesh; Bhutan; Cameroon; Comoros; Cabo Verde; Guinea; Gambia; Indonesia; Laos; Liberia; Republic of Moldova; Madagascar; Mozambique; Niger; Nicaragua; Rwanda; Sudan; Sierra Leone; Sao Tome & Principe; Tuvalu; Ukraine; Uzbekistan; Saint Vincent & The Grenadines; Samoa; Yemen

   Greater percentage of older adults with complete primary series       Greater percentage of total population with complete primary series

\* Complete primary series: One or two doses according to country policy | **Source:** WHO/UNICEF eJRF and other monthly regional reporting systems | **Note:** Percentage of older adults with a complete primary series is capped at 100% in the event that the number of individuals reported with a complete primary series is greater than total target population size.

DATA AS OF 05/04/2023

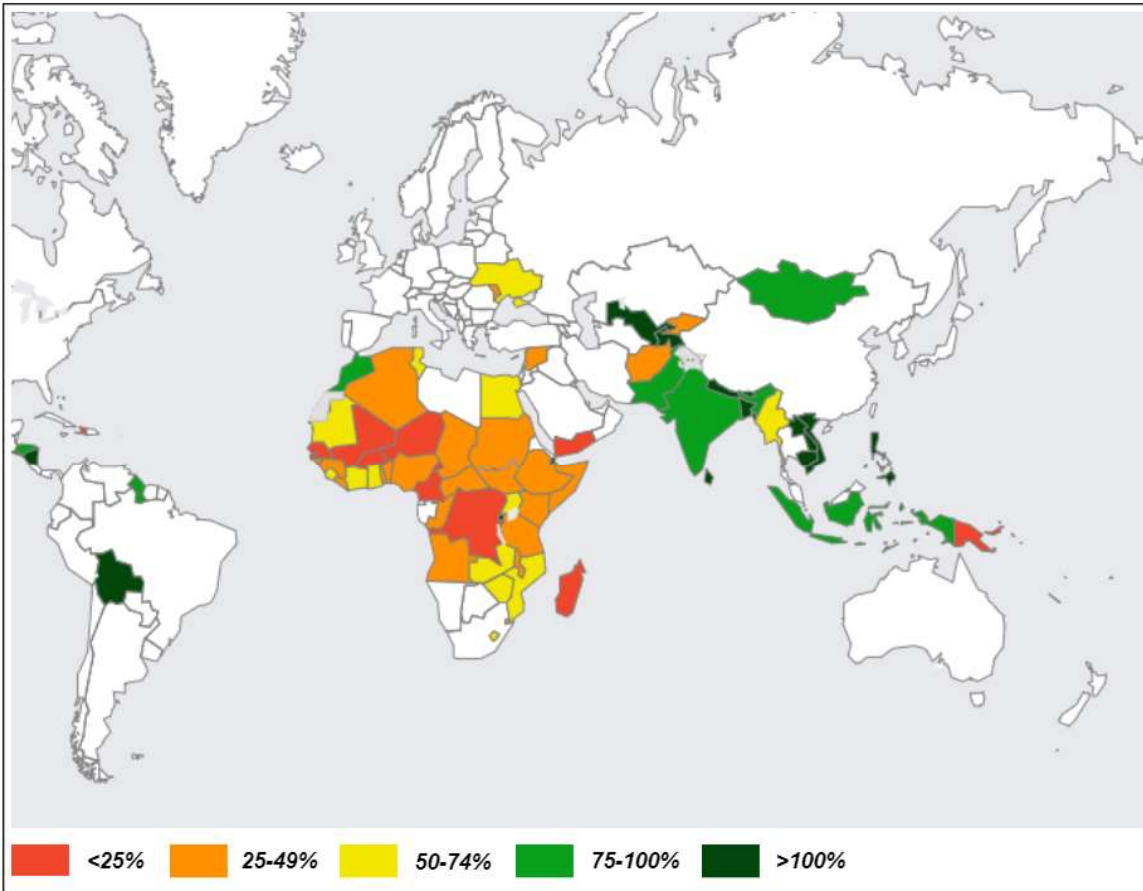
# Coverage of partial primary series, complete primary series, and booster / additional dose of older adult population across AMC participants



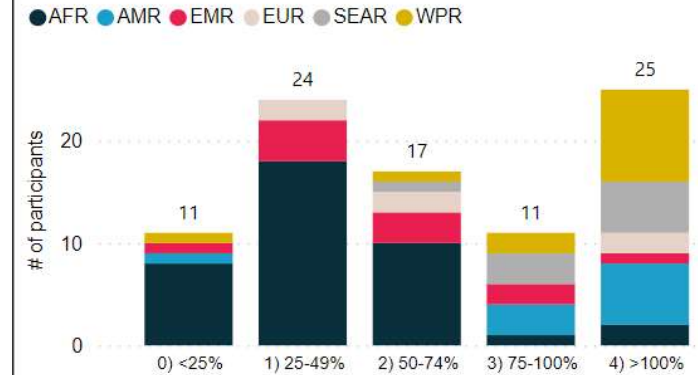
Source: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data | Note: Percentage of older adults fully vaccinated is capped at 100% in the event the number of individuals reported fully vaccinated is greater than total target population size.

DATA AS OF 05/04/2023

# Vaccine courses received as percent of population across AMC participants



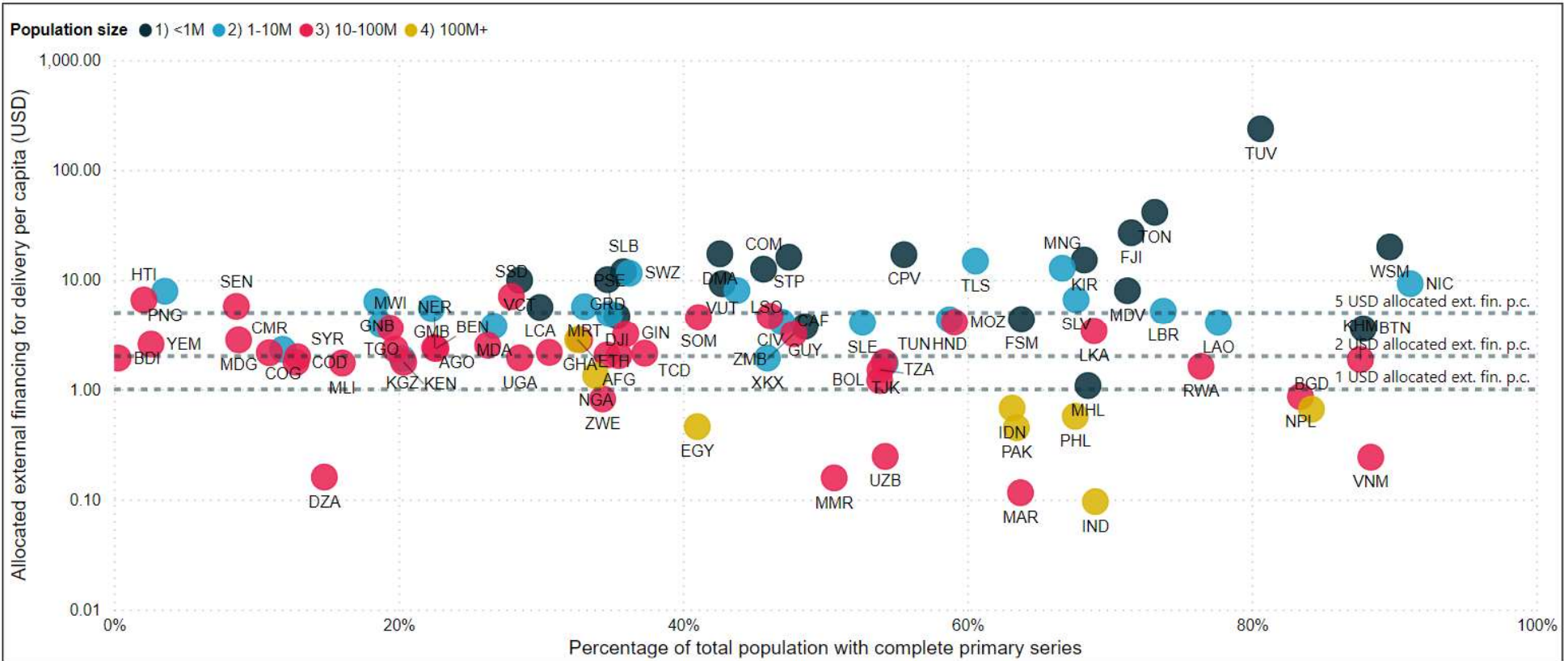
Participant breakdown by courses received as % pop.



Region	Count of part.	Avg. # of courses received as % pop.	Avg. % of courses received used
AFR	39	45%	74%
AMR	10	102%	66%
EMR	11	56%	76%
EUR	6	76%	84%
SEAR	9	111%	93%
WPR	13	109%	87%
<b>Total</b>	<b>88</b>	<b>71%</b>	<b>78%</b>

Source: IMF-WHO COVID-19 Vaccine Supply Tracker; UNICEF COVID-19 Vaccine Market Dashboard | Notes: A vaccine course is the number of doses required for a given product for its primary series. Eritrea and DPR Korea have not started COVID-19 vaccination. Marshall Islands and Micronesia are not reflected in the UNICEF Market Dashboard.

# Percentage of total population fully vaccinated against allocated external financing per capita across AMC participants

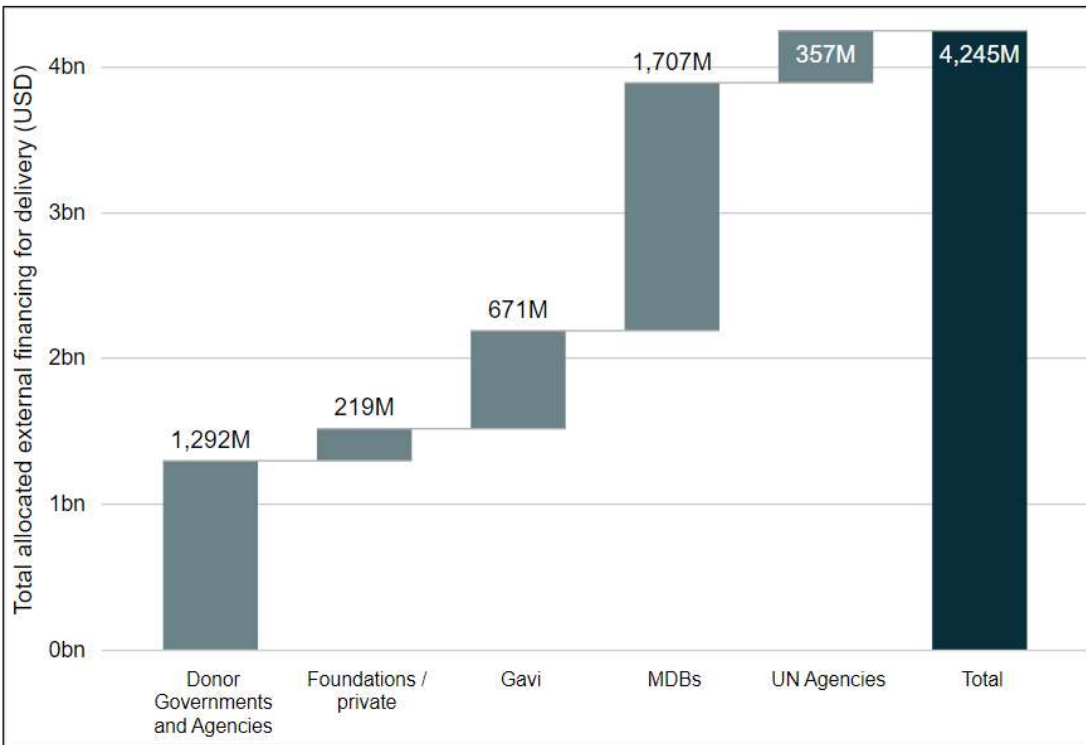


**Source:** UNICEF COVID-19 Vaccine Financial Monitoring Database | **Notes:** Allocated external financing refers to financing earmarked or pledged for a specific country, including both disbursed and non-disbursed financing options.

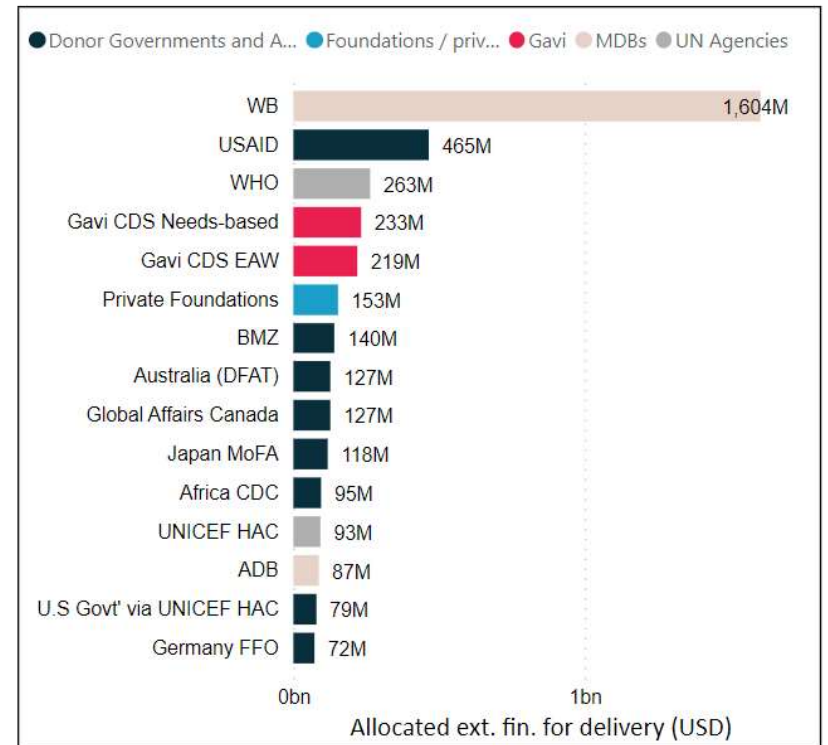
DATA AS OF 05/04/2023

# Breakdown of total allocated external financing for delivery by funder type and funder across AMC participants

**Breakdown of total allocated external financing (USD) for vaccine delivery by funder category**



**Funders / funding mechanisms (15) with greatest total allocated financing (USD) for vaccine delivery**



**Source:** UNICEF COVID-19 Vaccine Financial Monitoring Database | **Notes:** Allocated external financing refers to financing earmarked or pledged for a specific country, including both disbursed and non-disbursed financing options.

# **III. Countries for Concerted Support Analysis**

DATA AS OF 05/04/2023

# Aggregate vaccine implementation figures across CS countries

## Administration

Current	1-Month Change	
461.8M	16M	Total number of vaccine doses administered across AMC participants <b>since implementation start</b>
344.3M	12M	Total number of individuals with <b>at least one dose</b> across AMC participants
288.9M	12M	Total number of individuals with <b>a complete primary series</b> across AMC participants
38.9M	6M	Total number of individuals with <b>at least one booster dose</b> across AMC participants
0.01%	0%	Median 4-week average daily vaccination rate across AMC participants

## Supply

35%	-0%	Median number of vaccine courses received as a percent of population across AMC participants
Forthcoming	Forthcoming	Number of AMC participants that have received supply of product with improved attributes

## Financing

2.83	0	Median external allocated financing for vaccine delivery per capita across AMC participants
------	---	---

## Coverage

Current	1-Month Change	
<u>Health care workers</u>		
32	0	Number of AMC participants that have reported at least once on <b>healthcare worker</b> primary series uptake
53%	3%	Aggregate complete primary series coverage of <b>healthcare workers</b> across AMC participants
<u>Older adults</u>		
31	0	Number of AMC participants that have reported at least once on <b>older adult</b> primary series uptake
49 %	-0%	Aggregate complete primary series coverage of <b>older adults</b> across AMC participants
<u>Total population</u>		
28 %	+0.01%	Aggregate complete primary series coverage across AMC participants
4%	+0.01%	Aggregate coverage with at least one booster across AMC participants
<u>Humanitarian populations</u>		
Forthcoming	Forthcoming	Aggregate complete primary series coverage across areas with people in need of humanitarian assistance

**Sources:** IMF-WHO COVID-19 Vaccine Supply Tracker; UNICEF COVID-19 Vaccine Market Dashboard; WHO COVID-19 vaccine administration data | **Notes:** A vaccine course is the number of doses required for a given product for its primary series.

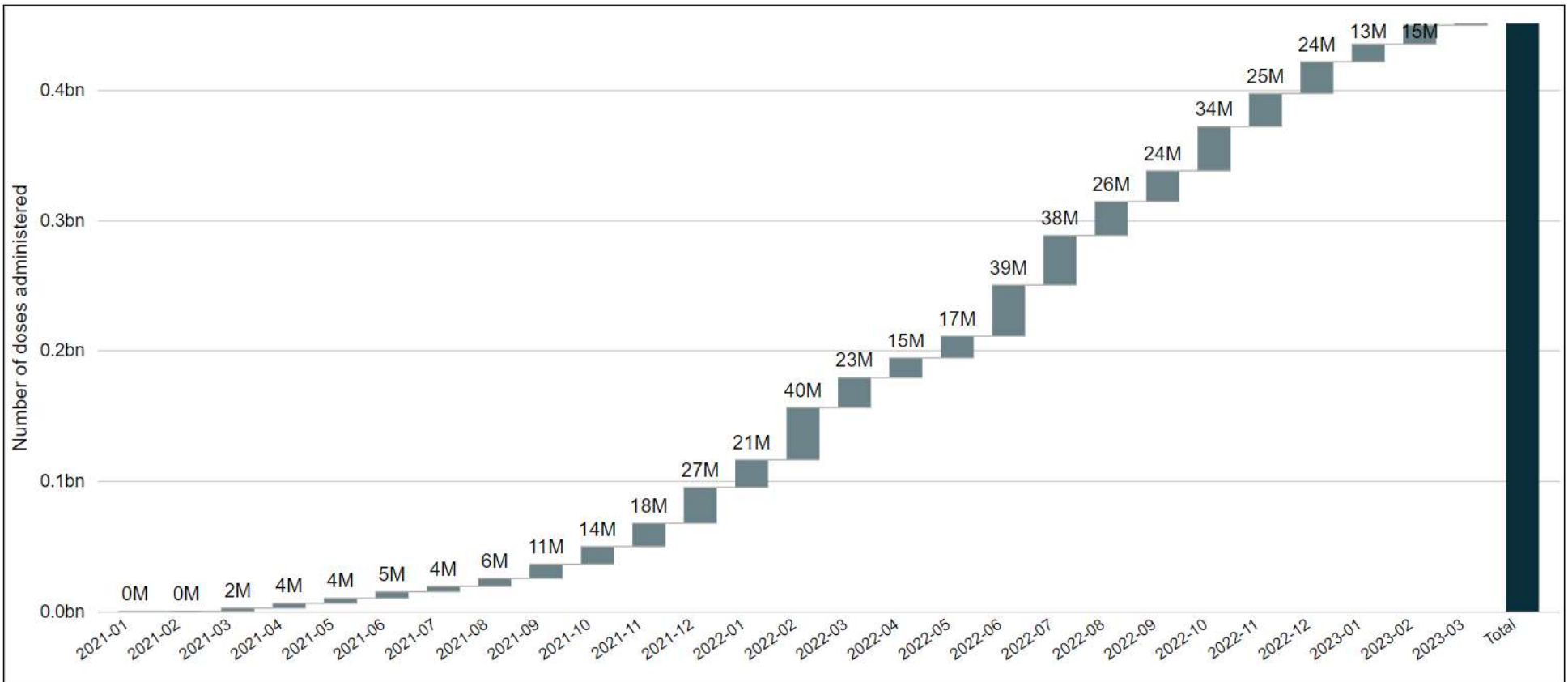
# Key vaccine implementation indicators across CS countries

Participant	Latest reporting date	Complete primary series coverage (% of tot. pop.)	First booster coverage (% of tot. pop.)	Complete primary series coverage in healthcare workers (% of tot. HCW pop.)	Complete primary series coverage in older adults (% of tot. older adult pop.)	Courses received used (% of tot. received)	4-wk av. daily vx rate (% pop. / day)	4-wk av. daily vx rate trend (past month)	Country cov. target (% of tot. pop.)	Country cov. target deadline	Country cov. target status
Afghanistan	02/04/2023	35%	3%	10%	51%	85%	0.06%	Downward	40%	31/12/2022	Deadline past
Burkina Faso	19/03/2023	20%	0%	78%	1%	84%	0.14%	Upward	70%	31/12/2022	Deadline past
Burundi	19/03/2023	0%	0%	16%		14%	0.00%	Downward	40%	31/12/2021	Deadline past
Cameroon	12/03/2023	11%	2%	19%	6%	70%	0.00%	Stable	20%	31/12/2022	Deadline past
CAR	26/03/2023	47%	5%	100%	100%	85%	0.11%	Upward	52%	31/12/2023	Off track
Chad	19/03/2023	37%	25%	100%	100%	63%	0.01%	Upward	48%	31/12/2022	Deadline past
Côte d'Ivoire	19/02/2023	46%	12%	39%	100%	99%	0.11%	Upward	70%	30/06/2022	Deadline past
Djibouti	02/04/2023	35%	0%			28%	0.01%	Downward	40%	01/06/2022	Deadline past
DR Congo	26/03/2023	13%	0%	100%	54%	51%	0.07%	Upward	45%	31/12/2022	Deadline past
Ethiopia	26/03/2023	33%	2%	56%	78%	78%	0.00%	Stable	46%	31/12/2022	Deadline past
Gabon	05/02/2023	12%	0%	45%	100%	37%	0.00%	Stable	70%	31/12/2021	Deadline past
Gambia	19/03/2023	22%	2%	100%	17%	74%	0.00%	Stable	60%	31/12/2023	Off track
Ghana	26/03/2023	33%	13%	66%	80%	77%	0.00%	Stable	72%	31/12/2023	Off track
Guinea	19/03/2023	36%	2%	100%	4%	100%	0.11%	Downward	63%	31/12/2023	Off track
Guinea-Bissau	26/03/2023	18%	0%	66%	100%	46%	0.00%	Upward	70%	31/12/2023	Off track
Haiti	10/03/2023	2%	0%			46%	0.00%	Stable	70%	30/06/2022	Deadline past
Kenya	19/02/2023	20%	4%	53%	25%	78%	0.01%	Stable	60%	31/12/2022	Deadline past
Madagascar	26/03/2023	9%	1%	55%	6%	47%	0.01%	Stable	51%	30/06/2023	Off track
Malawi	19/03/2023	19%	5%	100%	23%	82%	0.05%	Stable	70%	30/06/2023	Off track
Mali	19/03/2023	16%	0%	100%	34%	74%	0.09%	Upward	47%	31/12/2022	Deadline past
Niger	12/03/2023	23%	0%	30%	6%	94%	0.01%	Upward	43%	31/12/2022	Deadline past
Nigeria	19/03/2023	34%	6%	54%	79%	94%	0.05%	Stable	36%	31/12/2022	Deadline past
Papua New Guinea	26/03/2023	4%	0%	100%	11%	49%	0.00%	Stable	20%	31/12/2022	Deadline past
Senegal	05/03/2023	9%	5%	100%	44%	54%	0.00%	Downward	53%	31/12/2022	Deadline past
Sierra Leone	26/03/2023	53%	9%	100%	25%	90%	0.32%	Upward	40%	30/06/2022	Goal met
Solomon Islands	20/03/2023	36%	4%	100%	45%	89%	0.04%	Stable	50%	31/12/2022	Deadline past
Somalia	02/01/2023	41%	0%	100%	47%	80%	0.09%	Upward	40%	01/12/2022	Goal met
South Sudan	26/03/2023	28%	0%	100%	100%	63%	0.01%	Downward	50%	31/12/2022	Deadline past
Sudan	02/04/2023	31%	9%	100%	6%	83%	0.33%	Upward	20%	30/06/2022	Goal met
Syria	16/01/2023	13%	0%	34%	21%	47%	0.01%	Downward	70%	31/12/2022	Deadline past
Tanzania	12/03/2023	54%	0%	55%	100%	93%	0.05%	Downward	70%	30/10/2022	Deadline past
Uganda	26/03/2023	29%	2%	100%	36%	56%	0.00%	Stable	67%	31/12/2022	Deadline past
Yemen	19/03/2023	3%	0%	34%	2%	58%	0.00%	Downward	20%	31/12/2022	Deadline past
Zambia	05/03/2023	48%	6%	100%	67%	73%	0.00%	Stable	46%	31/12/2023	Goal met

\* Complete primary series: One or two doses according to country policy | Sources: IMF-WHO COVID-19 Vaccine Supply Tracker; UNICEF COVID-19 Vaccine Market Dashboard; WHO C19 vaccine administration data

DATA AS OF 05/04/2023

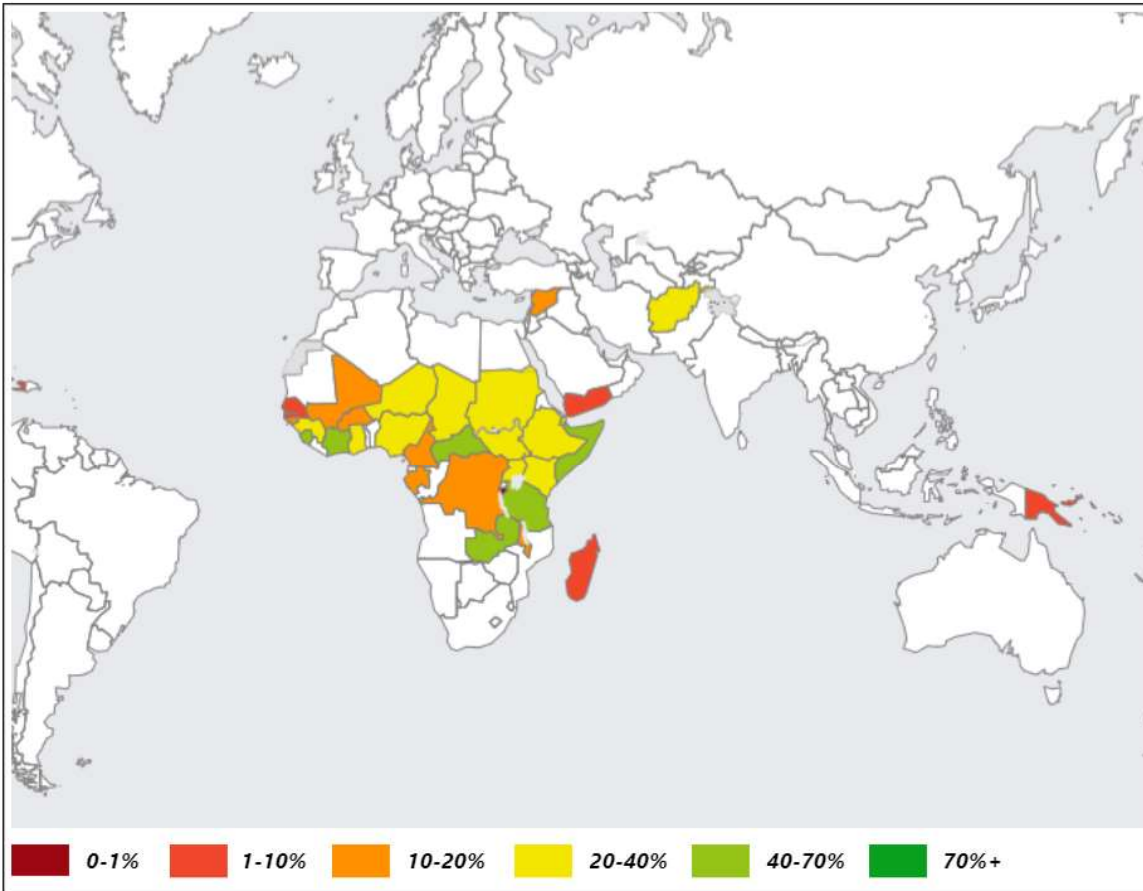
# Aggregate, historical dose absorption by month across the CS countries portfolio for the January 2021 - March 2023 period



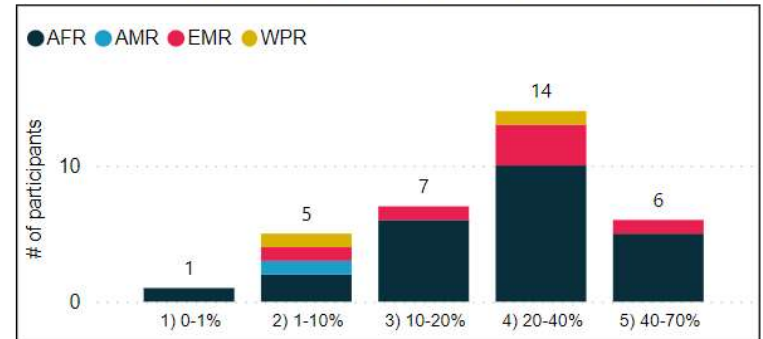
Source: WHO COVID-19 vaccine administration data system

DATA AS OF 05/04/2023

# Complete primary series coverage across CS countries



Participant count by complete primary series coverage category



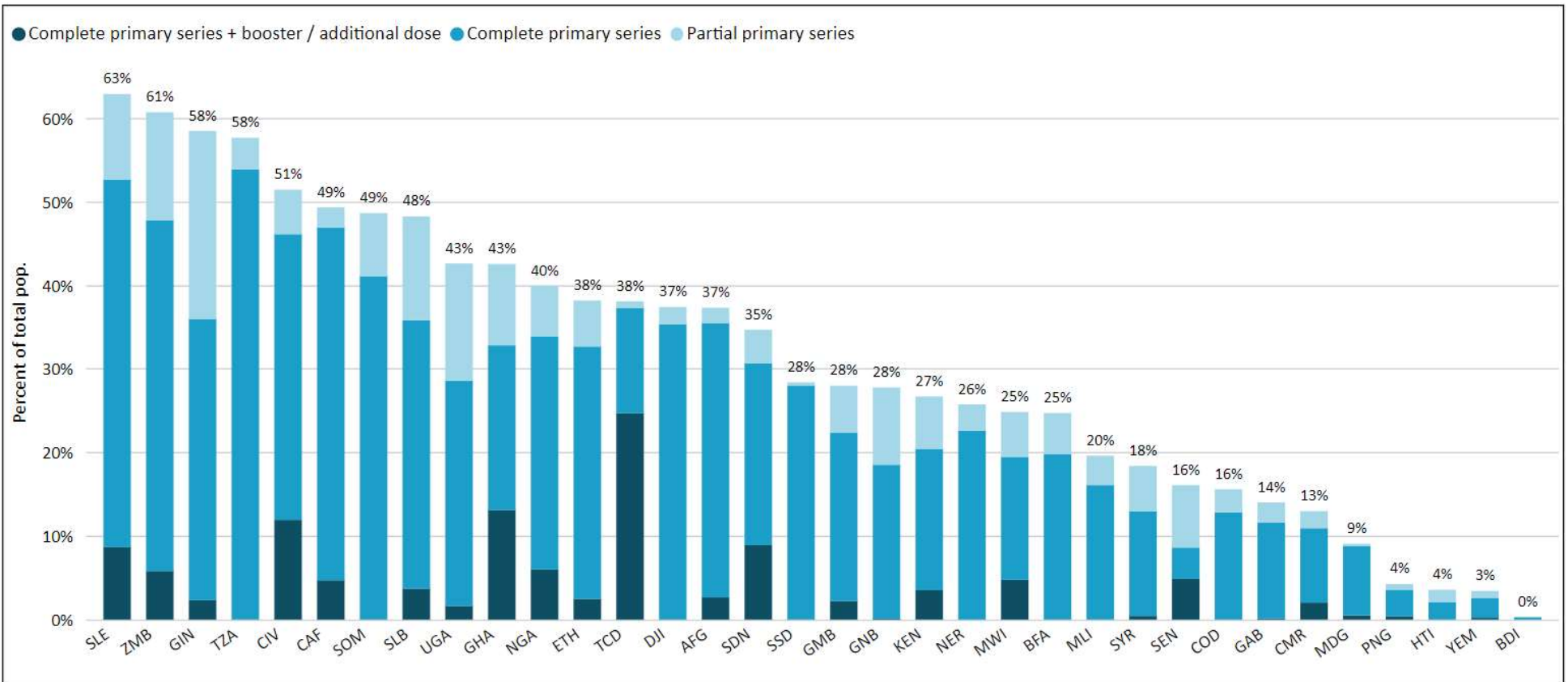
Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. pop.)	Complete primary series coverage (% of tot. pop.)	First booster coverage (% of tot. pop.)
AFR	25	34 %	29 %	4 %
AMR	1	4 %	2 %	0 %
EMR	6	29 %	25 %	3 %
WPR	2	7 %	6 %	1 %
<b>Total</b>	<b>34</b>	<b>33 %</b>	<b>28 %</b>	<b>4 %</b>

\* Complete primary series: One or two doses according to country policy | Source: WHO COVID-19 vaccine administration data system | Notes: Eritrea and DPR Korea have not started COVID-19 vaccination.

DATA AS OF 05/04/2023

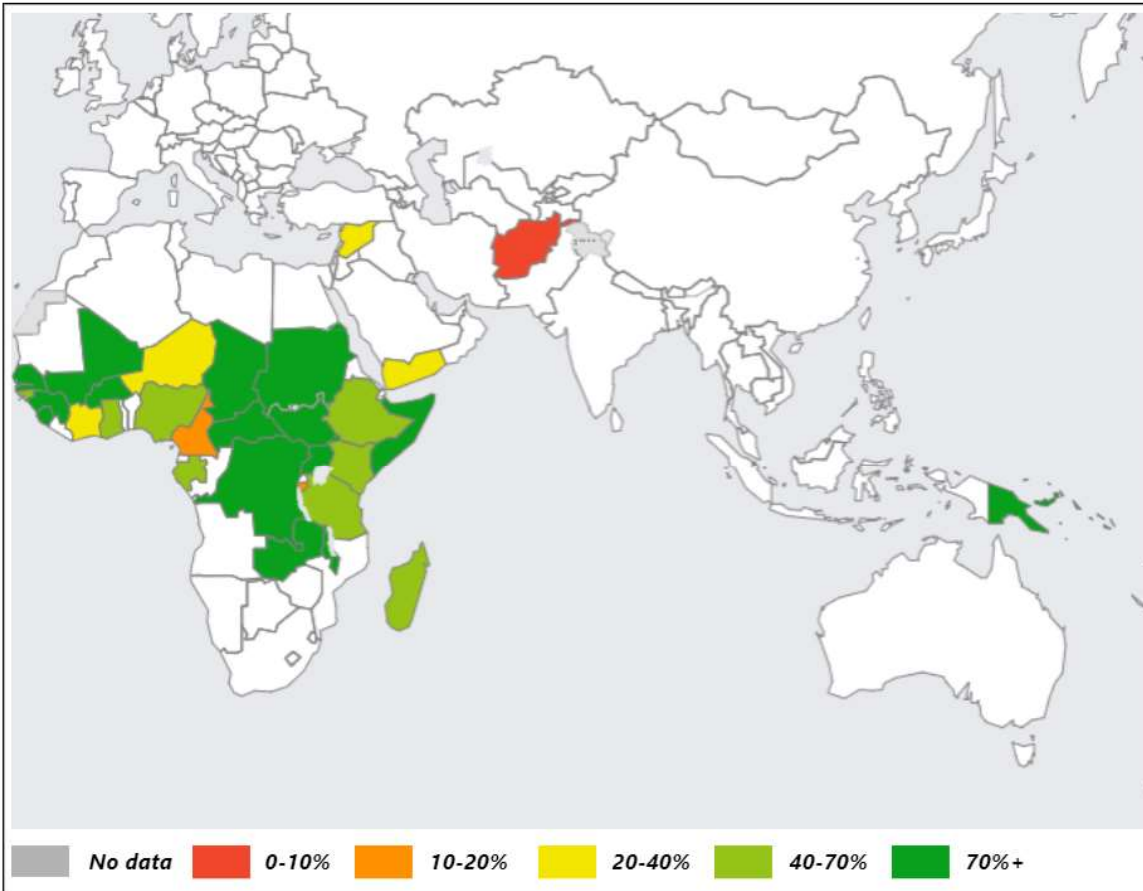
# Coverage of partial primary series, complete primary series, and booster / additional dose across CS countries



\* Complete primary series: One or two doses according to country policy | Source: WHO COVID-19 vaccine administration data system | Notes: Eritrea and DPR Korea have not started COVID-19 vaccination.

DATA AS OF 05/04/2023

# Healthcare worker vaccination coverage across reporting CS countries



## Aggregate view across CS countries

- 32** Number of CS countries having reported at least once on healthcare worker vaccination coverage
- 5M** Number of healthcare workers in reporting CS countries
- 99 %** Percent of healthcare workers in reporting CS countries of total healthcare workers in all CS countries
- 53 %** Percent of total healthcare workers with a complete primary series across reporting CS countries

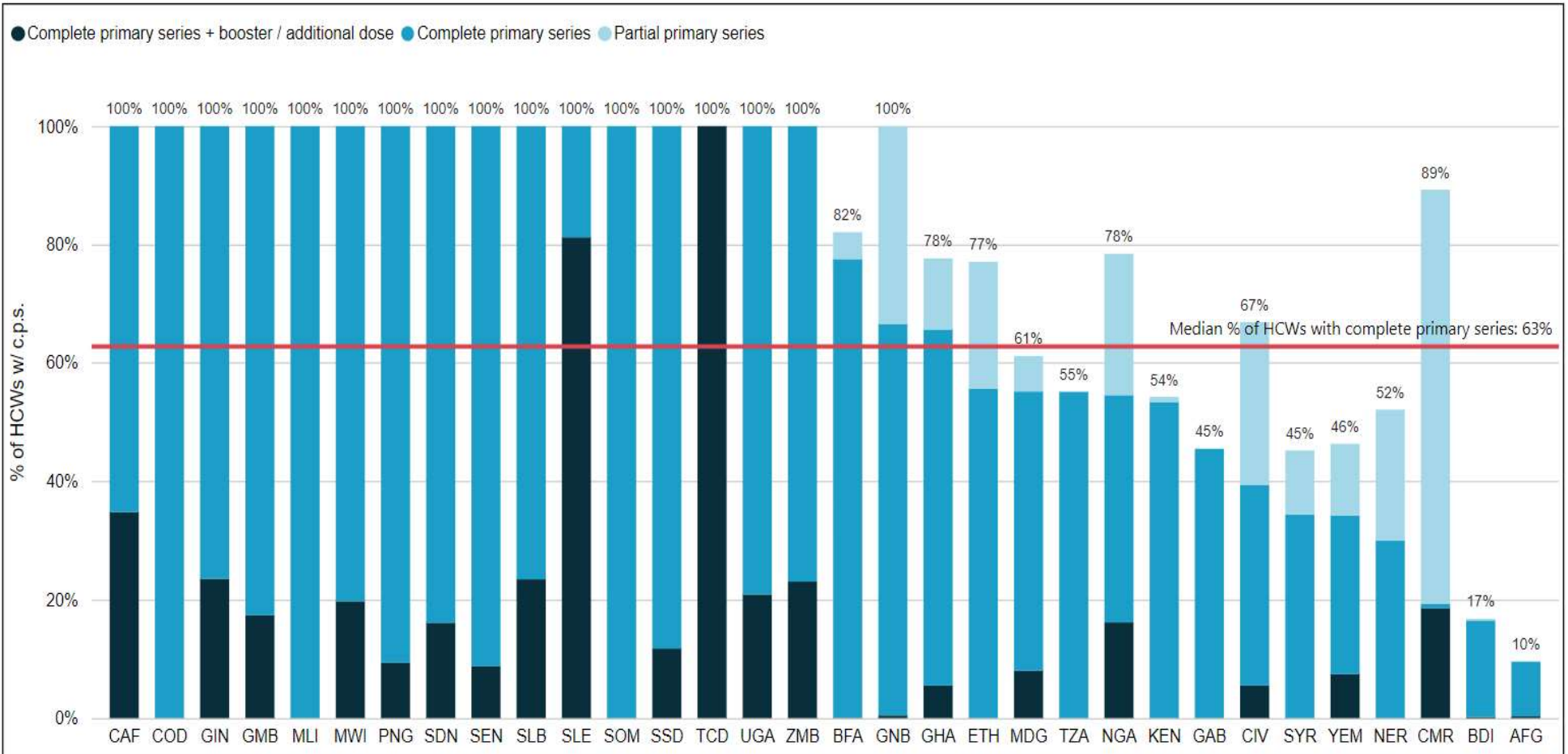
## Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. HCW pop.)	Complete primary series coverage (% of tot. healthcare worker pop.)	First booster coverage (% of tot. healthcare worker pop.)
AFR	25	78 %	63 %	10 %
EMR	5	29 %	27 %	3 %
WPR	2	100 %	100 %	14 %
<b>Total</b>	<b>32</b>	<b>65 %</b>	<b>53 %</b>	<b>8 %</b>

\* Complete primary series: One or two doses according to country policy | Sources: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data

DATA AS OF 05/04/2023

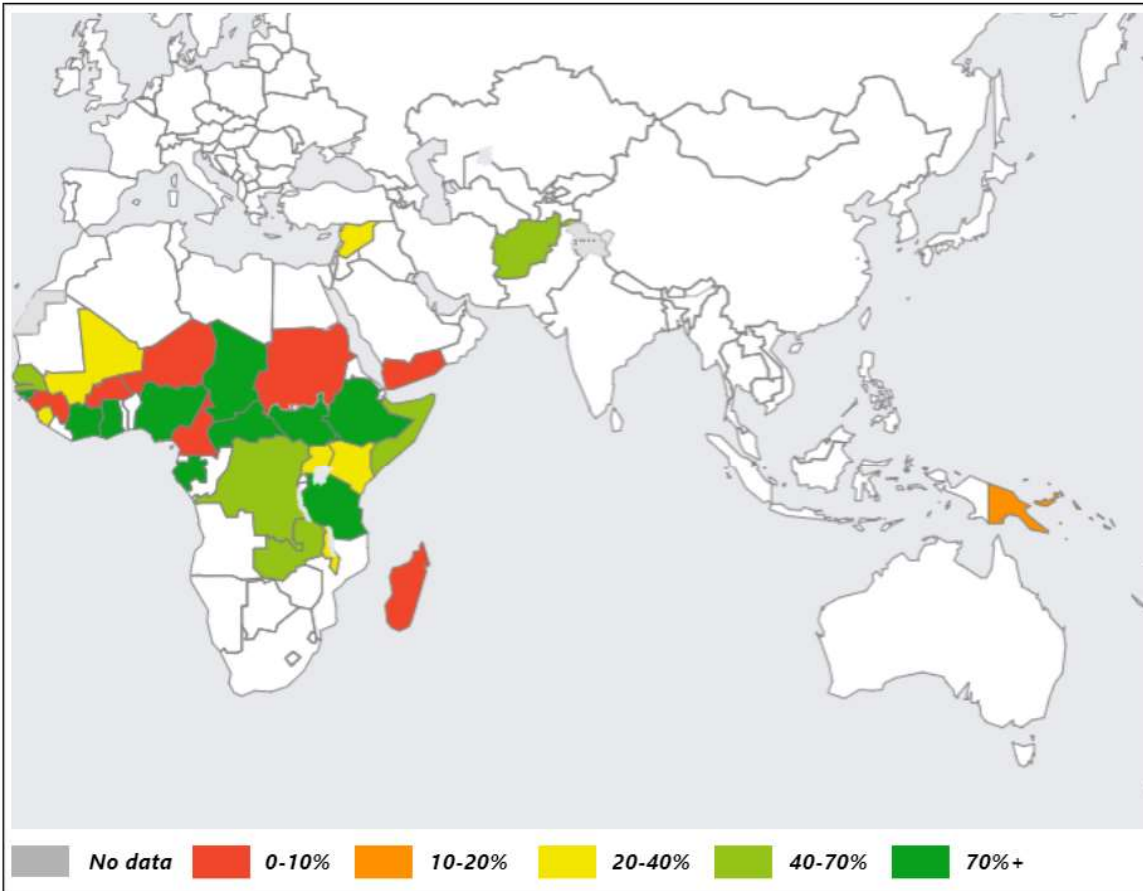
# Coverage of partial primary series, complete primary series, and booster / additional dose of healthcare worker population across CS countries



\* Complete primary series: One or two doses according to country policy | Source: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data | Note: Percentage of healthcare

DATA AS OF 05/04/2023

# Older adult vaccination coverage in reporting CS countries



## Aggregate view across CS countries

- 31** Number of CS countries having reported at least once on older adult vaccination coverage
- 49M** Number of country-defined older adults in reporting CS countries
- 98 %** Percent of older adults in CS countries of total older adults in all CS countries
- 49 %** Percent of older adults with a complete primary series across reporting CS countries

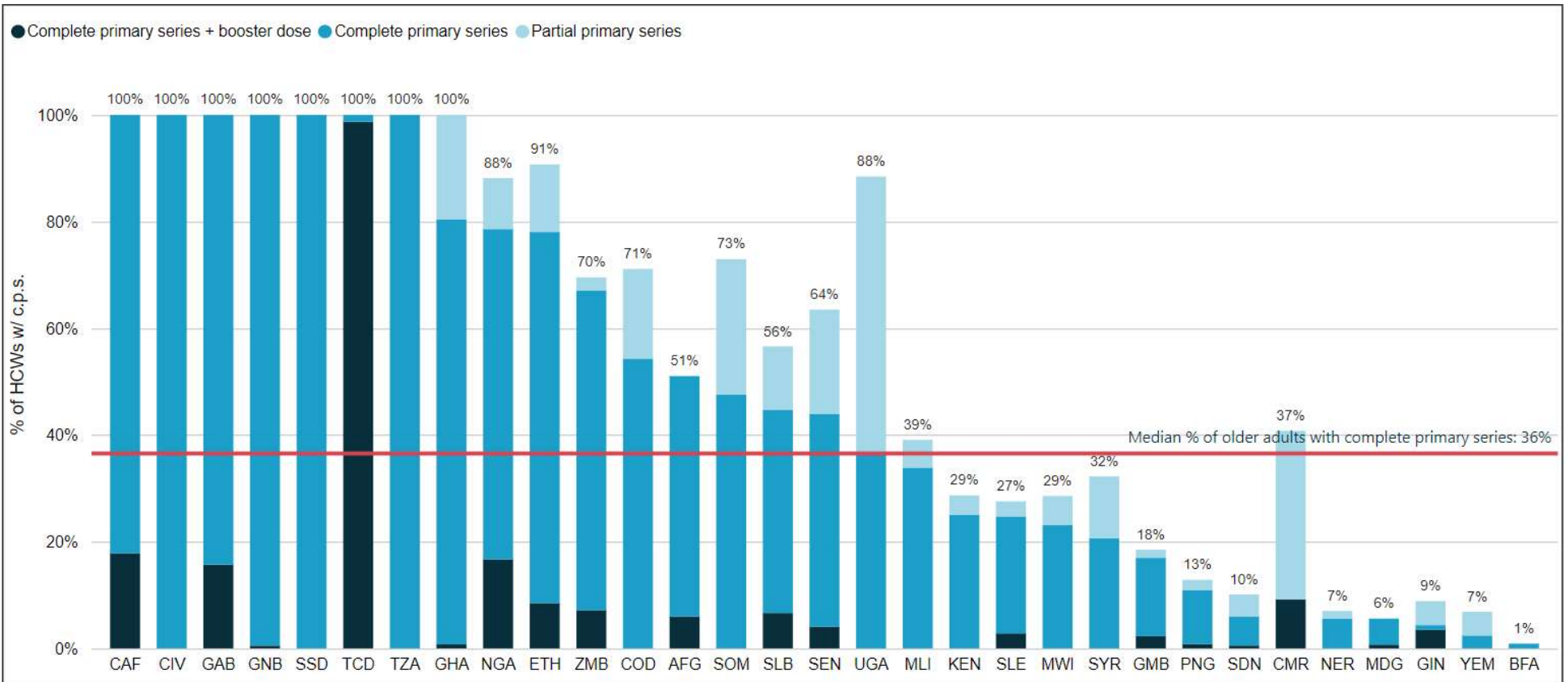
## Breakdown view by WHO region

Region	Count of part.	At least one dose coverage (% of tot. older adult pop.)	Complete primary series coverage (% of tot. older adult pop.)	First booster coverage (% of tot. older adult pop.)
AFR	24	67 %	56 %	7 %
EMR	5	27 %	21 %	2 %
WPR	2	14 %	12 %	1 %
<b>Total</b>	<b>31</b>	<b>58 %</b>	<b>49 %</b>	<b>6 %</b>

\* Complete primary series: One or two doses according to country policy | Sources: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data

DATA AS OF 05/04/2023

# Coverage of partial primary series, complete primary series, and booster / additional dose of older adult population across CS countries



Source: WHO/UNICEF eJRF and other monthly regional reporting systems; ILO health workforce data | Note: Percentage of older adults fully vaccinated is capped at 100% in the event the number of individuals reported fully vaccinated is greater than total target population size.

# Annexes

# Annex 1: Definitions

---

Term	Definition
<b><u>Course:</u></b>	• Number of doses required for a given product for its primary series (e.g. 2 doses of Pfizer BioNTech - Comirnaty)
<b><u>Population coverage:</u></b>	• Percentage of total population fully vaccinated with <u>any COVID-19 vaccine product from any source</u>
<b><u>Product utilization:</u></b>	• Percentage of total doses of <u>any COVID-19 vaccine product from any source</u> received that have been used
<b><u>Daily vaccination rate:</u></b>	• Number of doses of <u>any COVID-19 vaccine product from any source</u> administered per unit time as calculated by examining historical dose administration data

---