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This profile presents findings from the WHO pulse survey on continuity of essential health services during the COVID-19 pandemic.

Region	Population	Income Group	GDP (USD per capita)	Life Expectancy (years)	Population 60 and over (%)
AFR	16,425,864	Low income	\$685.7	59.6	3.9%

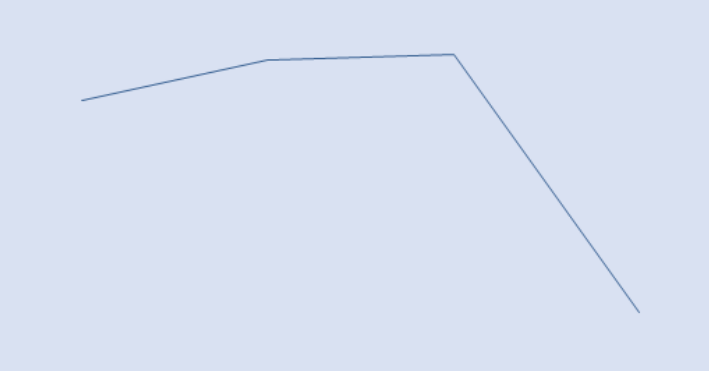
Round 1 surveys	Submission Date	Round 3 survey sections	Submission Date	Round 4 survey sections	Submission Date
Essential Health Services	27-May-20	Cross-cutting continuity of essential health services module	22-Nov-21	Cross-cutting continuity of essential health services module	23-Jan-23
Noncommunicable diseases	Did not participate	Sexual, reproductive, maternal, newborn, child and adolescent health	22-Nov-21	Sexual, reproductive, maternal, newborn, child and adolescent health	23-Jan-23
Mental, neurological, and substance use disorders	Did not participate	Nutrition	22-Nov-21	Nutrition	24-Jan-23
		Immunization	22-Nov-21	Immunization	24-Jan-23
<b>Round 2 survey sections</b>		Human immunodeficiency virus and hepatitis	22-Nov-21	Human immunodeficiency virus and hepatitis	24-Jan-23
Cross-cutting continuity of essential health services module	3-Mar-21	Tuberculosis	22-Nov-21	Tuberculosis	24-Jan-23
Reproductive, maternal, newborn, child and adolescent health and nutrition	4-Mar-21	Malaria	22-Nov-21	Malaria	24-Jan-23
Immunization	4-Mar-21	Neglected tropical diseases	22-Nov-21	Neglected tropical diseases	24-Jan-23
Human immunodeficiency virus and hepatitis	4-Mar-21	Mental health, neurology and substance use disorders	22-Nov-21	Mental health, neurology and substance use disorders	24-Jan-23
Tuberculosis	4-Mar-21	Care for older people	22-Nov-21	Noncommunicable diseases	24-Jan-23
Malaria	4-Mar-21			Care for older people	24-Jan-23
Neglected tropical diseases	4-Mar-21			Future acute respiratory pandemic preparedness	24-Jan-23
Noncommunicable diseases	4-Mar-21				
Mental, neurological, and substance use disorders	4-Mar-21				

The chart displays the weekly number of new COVID-19 cases in the Netherlands from May 2020 to March 2022. The left y-axis (red) represents the weekly number of new cases (0 to 700), and the right y-axis (blue) represents the daily number of new cases (0 to 7). The x-axis shows the months from May 2020 to March 2022. The red line (weekly cases) shows a major peak in late 2020 (around 600 cases) and another significant peak in early 2021 (around 480 cases). The blue line (daily cases) shows a massive spike in late 2020 (reaching 6 cases) and several smaller peaks throughout 2021, including a notable one in late 2021 (around 1 case).

	Cases	Deaths
Peak	Not available	Not available
Peak date	Not available	Not available
Latest	Not available	Not available
Proportion		

### Summary of disruptions

Chad

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Trend over four rounds	Regional comparison (Round 4)	Global comparison (Round 4)
Percentage of essential health services disrupted	75%	84%	85%	30%		Average % of services disrupted 26%	23%
Number of essential health services disrupted	12 out of 16 services	36 out of 43 services	50 out of 59 services	21 out of 71 services			

Denominator excludes services that were not reported on and services for which Not applicable and Do not know responses were submitted

Level of service disruption by service group	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)
Primary care	Not applicable	All services disrupted	Some services disrupted	All services disrupted
Emergency, critical, and operative care	Some services disrupted	Some services disrupted	All services disrupted	Some services disrupted
Rehabilitative and palliative services	No services disrupted	All services disrupted	All services disrupted	No services disrupted
Community care	Not included in round 1	Not included in round 2	All services disrupted	All services disrupted
Hospital inpatient services	Not included in round 1	Not included in round 2	No services disrupted	All services disrupted
Appointments with specialists	Not included in round 1	Not included in round 2	All services disrupted	All services disrupted
Sexual, reproductive, maternal, newborn, child and adolescent health	Some services disrupted	All services disrupted	Some services disrupted	No services disrupted
Nutrition	All services disrupted	All services disrupted	All services disrupted	All services disrupted
Immunization	All services disrupted	All services disrupted	All services disrupted	No services disrupted
Communicable disease	Some services disrupted	Some services disrupted	Some services disrupted	Some services disrupted
Neglected tropical diseases	Not applicable	All services disrupted	All services disrupted	No services disrupted
Mental, neurological, and substance use (MNS) disorders	Not applicable	Some services disrupted	All services disrupted	No services disrupted
Noncommunicable diseases	Not applicable	Some services disrupted	Not included in round 3	No services disrupted
Care for older people	Not included in round 1	Not included in round 2	All services disrupted	No services disrupted

### Disruptions across service delivery settings and platforms

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Primary care	Not included in round 1	All services disrupted	Some services disrupted	All services disrupted	<div><div></div> More than 50%</div>	<div><div></div> 26 - 50%</div> <div><div></div> 5 - 25%</div>
% of countries						
Routine scheduled visits	Not included in round 1	5-25%	5-25%	26-50%	29% <div><div></div></div>	23% <div><div></div></div>
Visits for undifferentiated symptoms	Not included in round 1	More than 50%	5-25%	5-25%	20% <div><div></div></div>	20% <div><div></div></div>
Prescription renewals for chronic medications	Not included in round 1	26-50%	Less than 5% (including 0%)	5-25%	23% <div><div></div></div>	20% <div><div></div></div>
Emergency, critical and operative care	Some services disrupted	Some services disrupted	All services disrupted	Some services disrupted	<div><div></div> More than 50%</div>	<div><div></div> 26 - 50%</div> <div><div></div> 5 - 25%</div>
% of countries						
Ambulance services at the scene	Not included in round 1	Less than 5% (including 0%)	5-25%	Less than 5% (including 0%)	19% <div><div></div></div>	13% <div><div></div></div>
24-hour emergency unit services	5-50%	26-50%	26-50%	26-50%	23% <div><div></div></div>	16% <div><div></div></div>
Elective surgeries	Not included in round 1	Less than 5% (including 0%)	5-25%	26-50%	19% <div><div></div></div>	24% <div><div></div></div>
Emergency surgeries	Less than 5% (including 0%)	5-25%	5-25%	5-25%	16% <div><div></div></div>	15% <div><div></div></div>
Rehabilitative, palliative and long-term care	No services disrupted	All services disrupted	All services disrupted	No services disrupted	<div><div></div> More than 50%</div>	<div><div></div> 26 - 50%</div> <div><div></div> 5 - 25%</div>
% of countries						
Rehabilitation services	Less than 5% (including 0%)	5-25%	26-50%	Less than 5% (including 0%)	19% <div><div></div></div>	24% <div><div></div></div>
Palliative services	Do not know	5-25%	5-25%	Less than 5% (including 0%)	21% <div><div></div></div>	21% <div><div></div></div>



Disruptions across service delivery settings and platforms (continued)

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Community care	Not included in round 1	Not included in round 2	All services disrupted	All services disrupted	<div><div></div>More than 50%</div> <div><div></div>26 - 50%</div> <div><div></div>5 - 25%</div>	
					% of countries	
Outreach services	Not included in round 1	Not included in round 2	More than 50%	More than 50%	29% <div><div></div></div>	22% <div><div></div></div>
Health post and home visits by community health workers	Not included in round 1	Not included in round 2	More than 50%	More than 50%	20% <div><div></div></div>	20% <div><div></div></div>
Other	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
					% of countries	
Hospital inpatient services	Not included in round 1	Not included in round 2	Less than 5% (including 0%)	5-25%	18% <div><div></div></div>	18% <div><div></div></div>
Appointments with specialists	Not included in round 1	Not included in round 2	5-25%	26-50%	32% <div><div></div></div>	28% <div><div></div></div>
Traditional and/or complementary medicine	Not included in round 1	Not included in round 2	Not included in round 3	Do not know	16% <div><div></div></div>	15% <div><div></div></div>
Disruptions to tracer services	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)		
Sexual, reproductive, maternal, newborn, child and adolescent health	Some services disrupted	All services disrupted	Some services disrupted	No services disrupted	<div><div></div>More than 50%</div> <div><div></div>26 - 50%</div> <div><div></div>5 - 25%</div>	
					% of countries	
Family planning and contraception	5-50%	26-50%	Less than 5% (including 0%)	Less than 5% (including 0%)	30% <div><div></div></div>	25% <div><div></div></div>
Safe abortion	Not included in round 1	Not included in round 2	5-25%	Less than 5% (including 0%)	16% <div><div></div></div>	15% <div><div></div></div>
Post-abortion care services	Not included in round 1	Not included in round 2	5-25%	Less than 5% (including 0%)	28% <div><div></div></div>	24% <div><div></div></div>
Fertility care/infertility services	Not included in round 1	Not included in round 2	26-50%	Less than 5% (including 0%)	22% <div><div></div></div>	23% <div><div></div></div>
Identification and care for intimate partner violence	Not included in round 1	Not included in round 2	More than 50%	Do not know	33% <div><div></div></div>	20% <div><div></div></div>
Response to sexual violence (post-rape care)	Not included in round 1	Not included in round 2	More than 50%	Do not know	23% <div><div></div></div>	13% <div><div></div></div>
Antenatal care	5-50%	5-25%	5-25%	Less than 5% (including 0%)	31% <div><div></div></div>	23% <div><div></div></div>
Facility-based births	Less than 5% (including 0%)	5-25%	5-25%	Less than 5% (including 0%)	24% <div><div></div></div>	18% <div><div></div></div>
Postnatal care for women and newborns	Not included in round 1	26-50%	26-50%	Less than 5% (including 0%)	31% <div><div></div></div>	21% <div><div></div></div>
Neonatal intensive care unit (NICU) services	Not included in round 1	Not included in round 2	5-25%	Less than 5% (including 0%)	24% <div><div></div></div>	14% <div><div></div></div>
Sick child services	5-50%	5-25%	Less than 5% (including 0%)	Less than 5% (including 0%)	31% <div><div></div></div>	21% <div><div></div></div>
Well-child visits	Not included in round 1	Not included in round 2	5-25%	Less than 5% (including 0%)	30% <div><div></div></div>	24% <div><div></div></div>
Adolescent and youth friendly services	Not included in round 1	Not included in round 2	26-50%	Less than 5% (including 0%)	32% <div><div></div></div>	26% <div><div></div></div>
Nutrition	All services disrupted	All services disrupted	All services disrupted	All services disrupted	<div><div></div>More than 50%</div> <div><div></div>26 - 50%</div> <div><div></div>5 - 25%</div>	
					% of countries	
Counselling on infant and young-child feeding	Not included in round 1	Not included in round 2	5-25%	5-25%	45% <div><div></div></div>	31% <div><div></div></div>
Screening for and/or management of moderate and severe wasting	5-50%	26-50%	5-25%	5-25%	44% <div><div></div></div>	28% <div><div></div></div>
Distribution of high-dose vitamin A supplementation	Not included in round 1	Not included in round 2	26-50%	5-25%	39% <div><div></div></div>	29% <div><div></div></div>
Growth monitoring and promotion	Not included in round 1	Not included in round 2	Not included in round 3	5-25%	53% <div><div></div></div>	34% <div><div></div></div>
Care for older people	Not applicable	Not applicable	All services disrupted	No services disrupted	<div><div></div>More than 50%</div> <div><div></div>26 - 50%</div> <div><div></div>5 - 25%</div>	
					% of countries	
Health and social care services in long-term care facilities	Not included in round 1	Not included in round 2	Not applicable	Less than 5% (including 0%)	31% <div><div></div></div>	22% <div><div></div></div>
Health and social care services in the community	Not included in round 1	Not included in round 2	Not applicable	Less than 5% (including 0%)	43% <div><div></div></div>	36% <div><div></div></div>
Provision of integrated health and social care services	Not included in round 1	Not included in round 2	26-50%	Less than 5% (including 0%)	42% <div><div></div></div>	31% <div><div></div></div>
Screening and assessment of physical and mental capacities	Not included in round 1	Not included in round 2	26-50%	Less than 5% (including 0%)	43% <div><div></div></div>	37% <div><div></div></div>
Immunization	All services disrupted	All services disrupted	All services disrupted	No services disrupted	<div><div></div>More than 50%</div> <div><div></div>26 - 50%</div> <div><div></div>5 - 25%</div>	
					% of countries	
Routine facility-based immunization services	5-50%	5-25%	5-25%	Less than 5% (including 0%)	29% <div><div></div></div>	28% <div><div></div></div>
Routine outreach immunization services	5-50%	5-25%	5-25%	Less than 5% (including 0%)	50% <div><div></div></div>	35% <div><div></div></div>



**Disruptions to tracer services  
(continued)**

**Communicable diseases**

Round 1  
(May-Sept 2020)

Round 2  
(Jan-March 2021)

Round 3  
(May-Oct 2021)

Round 4  
(Nov 2022-Jan 2023)

Regional comparison  
(Round 4)

Global comparison  
(Round 4)

Some services disrupted

Some services disrupted

Some services disrupted

Some services disrupted

More than 50%

26 - 50%

5 - 25%

% of countries

HIV prevention services

No response

More than 50%

Less than 5% (including 0%)

5-25%

29%

24%

HIV testing services

No response

More than 50%

Less than 5% (including 0%)

5-25%

22%

27%

Continuation of established ARV treatment

Less than 5% (including 0%)

Less than 5% (including 0%)

Less than 5% (including 0%)

5-25%

16%

8%

Initiation of new ARV treatment

No response

More than 50%

5-25%

5-25%

19%

12%

Hepatitis B and C diagnosis and treatment

No response

More than 50%

5-25%

Not included in Round 4

NA

NA

Hepatitis B diagnosis and treatment

Not included in round 1

Not included in round 2

Not included in round 3

5-25%

12%

19%

Hepatitis C diagnosis and cure

Not included in round 1

Not included in round 2

Not included in round 3

Less than 5% (including 0%)

14%

18%

STI treatment services

Not included in round 1

Not included in round 2

Not included in round 3

5-25%

21%

22%

Testing of pregnant women for syphilis

Not included in round 1

Not included in round 2

Not included in round 3

5-25%

19%

14%

TB case detection and treatment

5-50%

5-25%

Less than 5% (including 0%)

Less than 5% (including 0%)

37%

37%

Malaria diagnosis and treatment

5-50%

Less than 5% (including 0%)

Less than 5% (including 0%)

Less than 5% (including 0%)

17%

22%

Malaria tests performed by health worker

Not included in round 1

Not included in round 2

Not included in round 3

Less than 5% (including 0%)

14%

22%

Campaigns for distribution of insecticide treated nets (ITN)

5-50%

5-25%

26-50%

Not applicable

21%

33%

Malaria prevention campaigns: indoor residual spraying (IRS)

Don't Know

5-25%

More than 50%

Increase of 5% or more

5%

20%

Malaria prevention campaigns: seasonal malaria chemoprevention (SMC)

5-50%

5-25%

26-50%

Increase of 5% or more

0%

0%

Malaria surveillance

Not included in round 1

Not included in round 2

5-25%

Less than 5% (including 0%)

7%

13%

**Neglected tropical diseases**

Not applicable

All services disrupted

All services disrupted

No services disrupted

More than 50%

26 - 50%

5 - 25%

% of countries

Diagnosis, treatment and care for NTDs

Not included in round 1

More than 50%

5-25%

Less than 5% (including 0%)

29%

28%

Large scale preventive chemotherapy campaigns for NTDs

Not included in round 1

More than 50%

26-50%

Increase of 5% or more

29%

35%

Community awareness and health education campaigns for NTDs

Not included in round 1

More than 50%

More than 50%

Increase of 5% or more

26%

33%

Support for self-care, rehabilitation and psychosocial services for patients with chronic NTDs

Not included in round 1

More than 50%

More than 50%

Less than 5% (including 0%)

18%

21%

Prescriptions for NTD medicines

Not included in round 1

More than 50%

5-25%

Increase of 5% or more

26%

18%

Surgical procedures for NTDs

Not included in round 1

More than 50%

More than 50%

Less than 5% (including 0%)

21%

19%

**Noncommunicable diseases**

Not applicable

Some services disrupted

All services disrupted

No services disrupted

More than 50%

26 - 50%

5 - 25%

% of countries

Hypertension management

No response

Not applicable

Not included in round 3

Less than 5% (including 0%)

31%

30%

Cardiovascular emergencies

No response

Not applicable

Not included in round 3

Less than 5% (including 0%)

30%

21%

Diabetes and Diabetic Complications Management

No response

Less than 5% (including 0%)

Not included in round 3

Less than 5% (including 0%)

31%

26%

Cancer screening

Not included in round 1

More than 50%

26-50%

Less than 5% (including 0%)

33%

32%

Cancer treatment

No response

More than 50%

More than 50%

Less than 5% (including 0%)

30%

24%

Asthma services

No response

Not applicable

Not included in round 3

Less than 5% (including 0%)

34%

25%

Urgent dental care

No response

Less than 5% (including 0%)

Not included in round 3

Less than 5% (including 0%)

40%

26%

**Mental, neurological, and substance use  
(MNS) disorders**

Not applicable

Some services disrupted

All services disrupted

No services disrupted

More than 50%

26 - 50%

5 - 25%

% of countries

Management of emergency of MNS manifestations

No response

Less than 5% (including 0%)

5-25%

Less than 5% (including 0%)

17%

9%

Psychotherapy/counselling/psychosocial interventions for MNS disorders

No response

5-25%

5-25%

Less than 5% (including 0%)

13%

14%

Availability of psychotropic medicines for management of MNS disorders

No response

5-25%

26-50%

Less than 5% (including 0%)

18%

17%

Services for children and adolescents with mental health conditions or disabilities

No response

5-25%

Not applicable

Less than 5% (including 0%)

0%

12%

Services for older adults with mental health conditions or disabilities, including dementia

No response

Not applicable

Not applicable

Less than 5% (including 0%)

5%

13%

Neuroimaging and neurophysiology

Not included in round 1

Not applicable

Not applicable

Less than 5% (including 0%)

0%

9%

School mental health programme

No response

26-50%

26-50%

Less than 5% (including 0%)

16%

15%

Inclusive schooling for children with special needs

Not included in round 1

Not included in round 2

More than 50%

Less than 5% (including 0%)

6%

8%

Suicide prevention programme

No response

Not applicable

Not applicable

Do not know

6%

13%

Substance use prevention and management programs

No response

Not applicable

No response

Do not know

8%

11%

Alcohol prevention and management programs

No response

Not included in round 2

26-50%

Increase of 5% or more

11%

13%

Critical harm reduction services

No response

Not applicable

Not applicable

Less than 5% (including 0%)

0%

9%</



Service backlog trends:	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
	Not included in round 1	Decreased	Increased	Increased	<div><div></div></div> 60%	<div><div></div></div> 47%
Elective surgeries and procedures	Not included in round 1	Decreased	Increased	Increased	<div><div></div></div> 60%	<div><div></div></div> 47%
Appointments with specialists (outpatient)	Not included in round 1	Not included in round 2	Increased	Increased	<div><div></div></div> 60%	<div><div></div></div> 50%
Screening, diagnosis and treatment of cancers	Not included in round 1	Not included in round 2	Do not know	Increased	<div><div></div></div> 57%	<div><div></div></div> 48%
Screening, diagnosis and treatment of NCDs	Not included in round 1	Not included in round 2	Increased	Increased	<div><div></div></div> 68%	<div><div></div></div> 62%
Rehabilitation services	Not included in round 1	Not included in round 2	Increased	Increased	<div><div></div></div> 55%	<div><div></div></div> 52%
Supply chain disruptions:	Not included in round 1	Yes	Yes	Yes	<div><div></div></div> 34%	<div><div></div></div> 24%
Vaccines	Not included in round 1	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 70%	<div><div></div></div> 57%
Medicines (excluding oxygen)	Not included in round 1	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 64%	<div><div></div></div> 77%
Medical oxygen	Not included in round 1	Not included in round 2	Not included in round 3	No	<div><div></div></div> 45%	<div><div></div></div> 48%
Laboratory supplies	Not included in round 1	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 70%	<div><div></div></div> 75%
Medical supplies	Not included in round 1	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 82%	<div><div></div></div> 82%
Medical imaging accessories	Not included in round 1	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 45%	<div><div></div></div> 44%
Personal protective equipment	Not included in round 1	Not included in round 2	Not included in round 3	No	<div><div></div></div> 27%	<div><div></div></div> 27%
Disinfectant and hygiene supplies	Not included in round 1	Not included in round 2	Not included in round 3	No	<div><div></div></div> 36%	<div><div></div></div> 29%
Intentional modifications to service delivery and essential public health functions						
Strategic changes to service delivery platform access						
	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
	Not included in round 1	Not included in round 2	Functioning as normal	Functioning as normal	<div><div></div></div> 11% <div><div></div></div> 16%	<div><div></div></div> 7% <div><div></div></div> 11%
Primary care services	Not included in round 1	Not included in round 2	Functioning as normal	Functioning as normal	<div><div></div></div> 11%	<div><div></div></div> 7%
Outpatient services	Limited	Limited	Limited	Functioning as normal	<div><div></div></div> 16%	<div><div></div></div> 11%
Inpatient services	Limited	Limited	Functioning as normal	Functioning as normal	<div><div></div></div> 14%	<div><div></div></div> 10%
Emergency unit services	Functioning as normal	Functioning as normal	Functioning as normal	Functioning as normal	<div><div></div></div> 5%	<div><div></div></div> 4%
Prehospital emergency care services	Functioning as normal	Functioning as normal	Limited	Limited	<div><div></div></div> 22%	<div><div></div></div> 11%
Community-based care	Do not know	Limited	Suspended	Functioning as normal	<div><div></div></div> 22%	<div><div></div></div> 16%
Mobile clinics	Do not know	Limited	Limited	Functioning as normal	<div><div></div></div> 24%	<div><div></div></div> 20%
Strategic changes to essential public health functions and activities						
	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
	Not included in round 1	Limited	Limited	Functioning as normal	<div><div></div></div> 29% <div><div></div></div> 11%	<div><div></div></div> 15% <div><div></div></div> 11%
Population-based activities for health protection	Not included in round 1	Limited	Limited	Functioning as normal	<div><div></div></div> 29%	<div><div></div></div> 15%
Health promotion population-based activities	Not included in round 1	Functioning as normal	Limited	Functioning as normal	<div><div></div></div> 11%	<div><div></div></div> 11%
Disease prevention population-based activities	Not included in round 1	Limited	Limited	Functioning as normal	<div><div></div></div> 17%	<div><div></div></div> 13%
Surveillance and response	Not included in round 1	Functioning as normal	Functioning as normal	Functioning as normal	<div><div></div></div> 19%	<div><div></div></div> 10%
Emergency preparedness and response	Not included in round 1	Functioning as normal	Functioning as normal	Functioning as normal	<div><div></div></div> 16%	<div><div></div></div> 12%
Communications and social mobilization activities for health	Not included in round 1	Limited	Limited	Functioning as normal	<div><div></div></div> 20%	<div><div></div></div> 12%
Public health research	Not included in round 1	Do not know	Limited	Functioning as normal	<div><div></div></div> 31%	<div><div></div></div> 25%
Government staff responsible for EHS delivery have been reassigned/deployed to COVID-19 response	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	% of countries who reassigned or deployed staff at any time	
	Not included in round 1	Not included in round 2	Not included in round 3	Staff were reassigned or deployed but all staff are now back to regular roles	<div><div></div></div> 97%	<div><div></div></div> 98%

### Mitigation strategies and recovery measures

Service delivery modifications	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
% of countries using strategy (with or without integration)						
Expansion of facility hours	Not included in round 1	×	✓	Not applicable	50%	52%
Provision of home-based care where appropriate	Not included in round 1	×	×	Not applicable	71%	69%
Telemedicine deployment to replace in-person consults	Not included in round 1	×	×	Not applicable	44%	66%
Use of self-care interventions where appropriate	Not included in round 1	✓	×	Not applicable	74%	65%
Catch-up campaigns for missed appointments	Not included in round 1	×	✓	Not applicable	71%	53%
Integration of several services into single visit	Not included in round 1	×	✓	Not applicable	44%	42%
Redirection of patients to alternate care sites/reorientation of referral pathways	✓	×	✓	Not applicable	62%	58%
% of countries using strategy (with or without integration)						
<b>Health worker capacities and training</b>						
Redistribution of health worker tasks and optimization of roles	✓	×	×	Not applicable	65%	72%
Rapid training mechanisms and job aids for key capacities and newly distributed tasks and roles	Not included in round 1	Not included in round 2	✓	Not applicable	76%	80%
Recruitment of additional staff	No response	✓	×	Not applicable	74%	71%
Provision of mental health care and psychosocial support to health workers	Not included in round 1	Not included in round 2	×	Not applicable	74%	63%
Establishment of pathways for accelerated training and early certification of medical, nursing and other key staff	Not included in round 1	Not included in round 2	×	Not applicable	32%	40%
Paid sick leave, overtime pay, and/or hazard pay	Not included in round 1	Not included in round 2	×	Not applicable	47%	55%
% of countries using strategy (with or without integration)						
<b>Access to medicines and health products</b>						
Novel approaches to renewing prescriptions and dispensing medications	Not included in round 1	Not included in round 2	×	Not applicable	50%	56%
Adaption of supply chain logistics and management processes	✓	✓	✓	Not applicable	65%	71%
Procurement of surge commodities (e.g. PPE, oxygen)	Not included in round 1	Not included in round 2	✓	Not applicable	79%	75%
% of countries using strategy (with or without integration)						
<b>Community engagement and risk communication strategies</b>						
Community communications	✓	✓	✓	Not applicable	88%	89%
Use of proactive governmental strategies to reach vulnerable groups	Not included in round 1	×	×	Not applicable	44%	63%
Use of existing networks or organizations (e.g. NGOs) to reach vulnerable groups	Not included in round 1	×	✓	Not applicable	82%	77%
% of countries using strategy (with or without integration)						
<b>Health financing strategies</b>						
Removal of user fees or provision of subsidies for fees at point of use	×	×	✓	Not applicable	32%	41%
Provision of cash transfers for vulnerable populations to access care	Not included in round 1	Not included in round 2	×	Not applicable	38%	29%
Agreements with private health facilities to deliver essential health services supported through public funds	Not included in round 1	Not included in round 2	×	Not applicable	53%	48%
% of countries using strategy (with or without integration)						
<b>Systematic use of quality improvement approaches</b>						
Improving patient flow in health facilities	Not included in round 1	Not included in round 2	Not included in round 3	Not applicable	62%	68%
Improving the quality of care in essential health services delivered to patients	Not included in round 1	Not included in round 2	Not included in round 3	Not applicable	76%	64%
Providing training and supportive supervision of the workforce in quality improvement	Not included in round 1	Not included in round 2	Not included in round 3	Not applicable	85%	75%
Application of improvement cycles to find solutions for priority issues and challenges in the delivery of clinical care	Not included in round 1	Not included in round 2	Not included in round 3	Not applicable	47%	48%



Policies, planning and investments

Policies and plans

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
					% of countries responding yes	
Government has defined EHS to be maintained during COVID-19	No / Not yet	Yes	Yes, developed	Yes, developed	50%	59%
Country developed or revised a health system recovery plan to strengthen health service resilience and preparedness for future public health emergencies	Not included in round 1	Not included in round 2	Yes	Yes	39%	44%
Plan has been budgeted	Not included in round 1	Not included in round 2	Not included in round 3	Yes	92%	92%
Implementation of plan has started	Not included in round 1	Not included in round 2	Not included in round 3	Yes	83%	95%
Implentation hasn't started because:						
Focus is still currently on pandemic response	Not included in round 1	Not included in round 2	Not included in round 3	No response	Sample size too small to display.	Sample size too small to display
Focus is currently on socio-economic recovery	Not included in round 1	Not included in round 2	Not included in round 3	No response	Sample size too small to display	Sample size too small to display
Limited resources	Not included in round 1	Not included in round 2	Not included in round 3	No response	Sample size too small to display	Sample size too small to display
No designated authority/platform/mechanism to coordinate implementation	Not included in round 1	Not included in round 2	Not included in round 3	No response	Sample size too small to display	Sample size too small to display
A focused review was used to inform recovery plan	Not included in round 1	Not included in round 2	Not included in round 3	Yes	82%	94%
Thematic areas that have been identified as central to ongoing recovery effort:					% of countries responding yes	
Primary Care	Not included in round 1	Not included in round 2	Not included in round 3	✓	89%	89%
Emergency risk management including preparedness	Not included in round 1	Not included in round 2	Not included in round 3	✓	95%	84%
Other essential public health functions	Not included in round 1	Not included in round 2	Not included in round 3	-	42%	62%
Continuity of essential health services across health programmes and conditions	Not included in round 1	Not included in round 2	Not included in round 3	✓	89%	83%
Whole of government / multisectoral engagement	Not included in round 1	Not included in round 2	Not included in round 3	✓	58%	57%
Community engagement	Not included in round 1	Not included in round 2	Not included in round 3	✓	92%	75%
Vulnerable and marginalized populations	Not included in round 1	Not included in round 2	Not included in round 3	✓	68%	65%
Quality of care	Not included in round 1	Not included in round 2	Not included in round 3	✓	76%	63%
None	Not included in round 1	Not included in round 2	Not included in round 3	-	0%	2%

Country made additional government funding and investments

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
					% of countries responding yes	
To maintain EHS during COVID-19	✓	×	✓	✓	76%	83%
To cover reductions in loss of revenue	Not included in round 1	Not included in round 2	Not included in round 3	×	28%	56%
For longer-term recovery and/or health service resilience and preparedness	Not included in round 1	Not included in round 2	✓	✓	58%	74%
Sub-areas where investments have been made					% of countries responding yes	
New facility infrastructure	Not included in round 1	Not included in round 2	×	✓	78%	81%
Digital health technologies and infrastructure	Not included in round 1	Not included in round 2	×	×	67%	87%
Health workforce capacity strengthening	Not included in round 1	Not included in round 2	✓	✓	100%	95%
Access to medicines, supplies and other health products	Not included in round 1	Not included in round 2	✓	✓	89%	86%
Health information systems	Not included in round 1	Not included in round 2	✓	✓	83%	80%

% of countries responding yes

**Country received additional external funding to support health system recovery efforts from:**

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)		
None	Not included in round 1	Not included in round 2	Not included in round 3	-	0%	15%
WHO	Not included in round 1	Not included in round 2	Not included in round 3	✓	87%	78%
Other UN agencies and multilateral development banks	Not included in round 1	Not included in round 2	Not included in round 3	✓	87%	75%
Bilateral development partners	Not included in round 1	Not included in round 2	Not included in round 3	✓	87%	64%
International non-governmental organizations (not for profit)	Not included in round 1	Not included in round 2	Not included in round 3	✓	61%	58%
National non-governmental organizations (not for profit)	Not included in round 1	Not included in round 2	Not included in round 3	✓	37%	41%
International private organizations (for profit)	Not included in round 1	Not included in round 2	Not included in round 3	✓	32%	30%
National private organizations (for profit)	Not included in round 1	Not included in round 2	Not included in round 3	✓	26%	27%

% of countries responding yes

There is a designated national authority with clear responsibility for coordinating health system recovery efforts within the health sector and/or across other sectors

Not included in round 1	Not included in round 2	Not included in round 3	✓	74%	78%
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**Information tracking**

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Regularly monitoring the continuity of EHS during COVID-19	Not included in round 1	Yes	Yes	Yes	86%	88%
If yes, does it include monitoring mitigation or recovery strategies	Not included in round 1	Yes	No	No	86%	82%
If yes, does it include monitoring of the long-term effects of essential health service disruptions	Not included in round 1	Not included in round 2	No	No	81%	80%
If yes, does it include monitoring of barriers to accessing essential health services	Not included in round 1	Not included in round 2	Not included in round 3	Yes	93%	85%
If yes, does it include monitoring of changes in care-seeking behaviour	Not included in round 1	Not included in round 2	Not included in round 3	Do not know	93%	83%
Focused review and documentation of the current situation and the impact of the pandemic in order to inform recovery planning	Not included in round 1	Not included in round 2	Not included in round 3	N/A	79%	76%
Existence of team dedicated to tracking and addressing the infodemic and health misinformation during COVID-19	Not included in round 1	Yes, within government but in another ministry	Yes, within government but in another ministry	No	95%	90%
Collecting or collating data on comorbidities in COVID-19 patients	Not included in round 1	Yes	Yes	Yes	97%	94%
Collecting or collating patient-level data on post-COVID-19 condition and its sequelae	Not included in round 1	Not included in round 2	Yes	No	52%	57%
Active, multi-source social listening mechanism in place to inform decision-making	Not included in round 1	Not included in round 2	Not included in round 3	Yes	71%	63%
Produced one or more qualitative or quantitative analysis of health inequities during the COVID-19 pandemic	Not included in round 1	Not included in round 2	No	No	65%	66%

% of countries responding yes

**Capacities for potential COVID-19 surge**

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Current surge capacity assessed	Not included in round 1	Not included in round 2	Not included in round 3	Yes, fully completed	44%	42%

% of countries responding yes

**Priority health capacity strengthening areas for potential COVID-19 surge (top 3)**

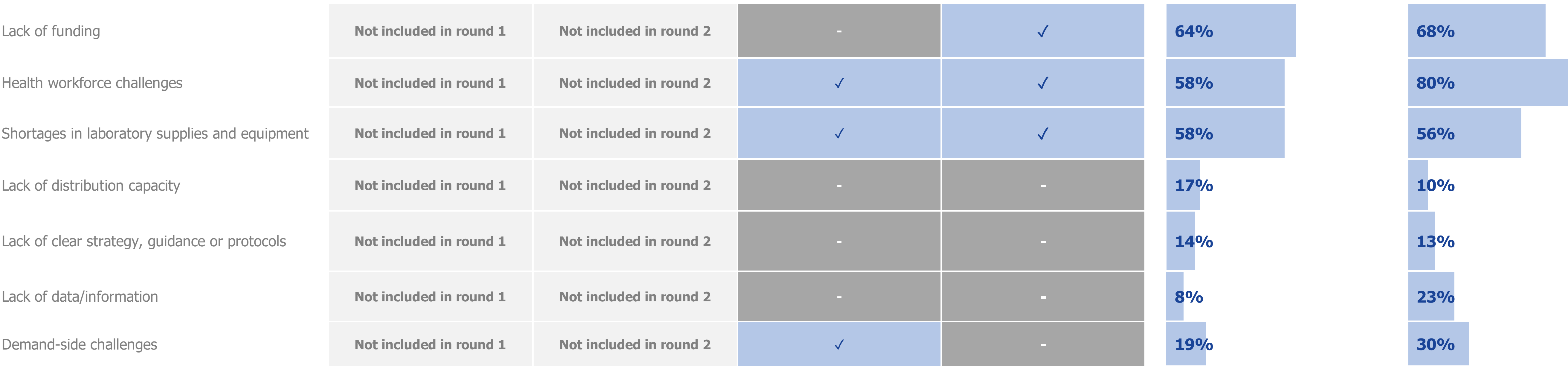
	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)		
Multisectoral coordination, governance and financing	Not included in round 1	Not included in round 2	Not included in round 3	✓	55%	64%
Surveillance, laboratories and diagnostics	Not included in round 1	Not included in round 2	Not included in round 3	✓	74%	60%
Risk communication and community engagement	Not included in round 1	Not included in round 2	Not included in round 3	✓	61%	54%
Managing essential health services and systems	Not included in round 1	Not included in round 2	Not included in round 3	-	18%	33%
Points of entry, international travel and transport, and mass gatherings	Not included in round 1	Not included in round 2	Not included in round 3	✓	42%	26%
Protection of health workforce	Not included in round 1	Not included in round 2	Not included in round 3	✓	24%	27%
Infection prevention and control	Not included in round 1	Not included in round 2	Not included in round 3	-	21%	17%
Operational support, logistics and supply chains	Not included in round 1	Not included in round 2	Not included in round 3	-	18%	17%
Research and development	Not included in round 1	Not included in round 2	Not included in round 3	-	8%	14%
Case management and clinical operations	Not included in round 1	Not included in round 2	Not included in round 3	-	24%	14%

% of countries responding yes

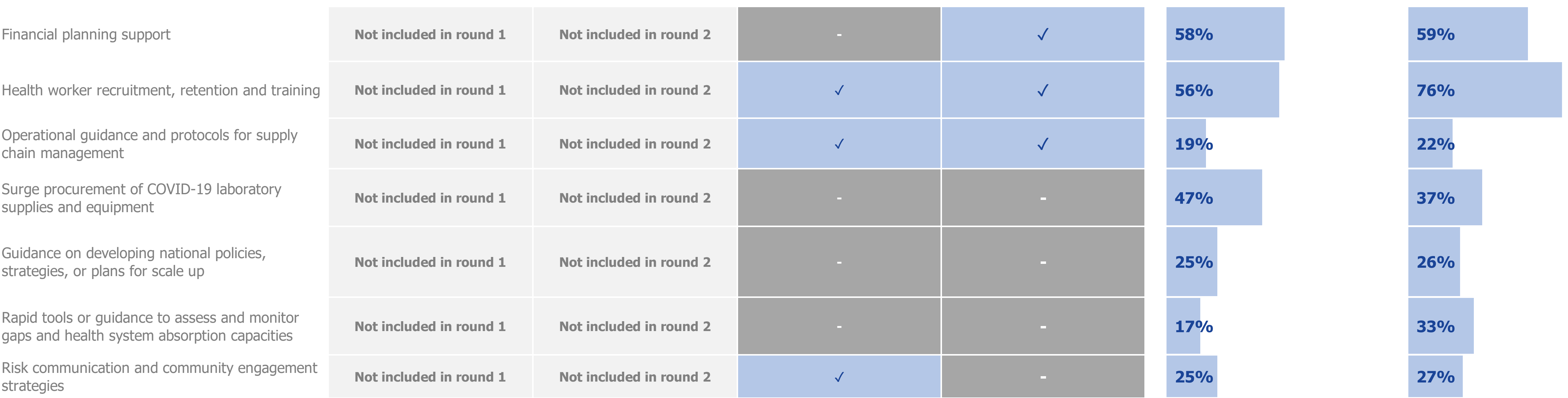


	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Capacities that were strengthened or institutionalized for the COVID-19 pandemic that have been leveraged in response for any other non-COVID-19 public health emergency or disaster						
					% of countries responding yes	
Not applicable/no other public health emergencies or disasters	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 8%	<div><div></div></div> 15%
Multisectoral coordination, governance and financing	Not included in round 1	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 86%	<div><div></div></div> 76%
Risk communication, community engagement and infodemic management	Not included in round 1	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 94%	<div><div></div></div> 83%
Surveillance, laboratories and diagnostics	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 94%	<div><div></div></div> 90%
Points of entry, international travel and transport, and mass gatherings	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 83%	<div><div></div></div> 72%
Protection of health workforce	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 71%	<div><div></div></div> 69%
Case management, clinical operations	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 77%	<div><div></div></div> 66%
Infection prevention and control	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 89%	<div><div></div></div> 82%
Operational support, logistics and supply chains	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 83%	<div><div></div></div> 78%
Managing essential health services and systems	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 74%	<div><div></div></div> 71%
Research and development	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 51%	<div><div></div></div> 47%
None	Not included in round 1	Not included in round 2	Not included in round 3	-	<div><div></div></div> 0%	<div><div></div></div> 0%
Future acute respiratory pandemic preparedness						
	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)	
					% of countries responding yes	
There is a national multisectoral committee for future respiratory pathogen pandemic preparedness	Not included in round 2	Not included in round 3	Yes (or being established)	<div><div></div></div> 73%	<div><div></div></div> 74%	
Country has respiratory pathogen preparedness plan	Not included in round 2	Not included in round 3	Yes	<div><div></div></div> 55%	<div><div></div></div> 68%	
Top three priority health capacity strengthening areas						
					% of countries responding yes	
Multisectoral coordination, governance and financing	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 73%	<div><div></div></div> 66%	
Risk communication and community engagement	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 34%	<div><div></div></div> 35%	
Surveillance, laboratories and diagnostics	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 83%	<div><div></div></div> 73%	
Points of entry, international travel and transport, and mass gatherings	Not included in round 2	Not included in round 3	×	<div><div></div></div> 32%	<div><div></div></div> 23%	
Protection of health workforce	Not included in round 2	Not included in round 3	×	<div><div></div></div> 5%	<div><div></div></div> 17%	
Case management, clinical operations, and infection prevention and control	Not included in round 2	Not included in round 3	×	<div><div></div></div> 32%	<div><div></div></div> 24%	
Operational support, logistics and supply chains	Not included in round 2	Not included in round 3	×	<div><div></div></div> 15%	<div><div></div></div> 15%	
Managing essential health services and systems	Not included in round 2	Not included in round 3	×	<div><div></div></div> 5%	<div><div></div></div> 17%	
Planning for pandemic product deployment (vaccines, therapeutics and other devices)	Not included in round 2	Not included in round 3	×	<div><div></div></div> 5%	<div><div></div></div> 4%	
Research and development	Not included in round 2	Not included in round 3	×	<div><div></div></div> 15%	<div><div></div></div> 14%	
The following ministries/agencies are engaged in future respiratory pathogen pandemic preparedness						
					% of countries responding yes	
National legislative body, office of head of state	Not included in round 2	Not included in round 3	×	<div><div></div></div> 71%	<div><div></div></div> 66%	
Finance	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 83%	<div><div></div></div> 68%	
Disaster risk management	Not included in round 2	Not included in round 3	×	<div><div></div></div> 85%	<div><div></div></div> 77%	
Home affairs, interior affairs	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 63%	<div><div></div></div> 59%	
Commerce, trade	Not included in round 2	Not included in round 3	×	<div><div></div></div> 46%	<div><div></div></div> 39%	
Defense, security forces	Not included in round 2	Not included in round 3	×	<div><div></div></div> 78%	<div><div></div></div> 68%	
Labour, social welfare	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 49%	<div><div></div></div> 45%	
Public works and services	Not included in round 2	Not included in round 3	×	<div><div></div></div> 39%	<div><div></div></div> 39%	
Information and communication	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 90%	<div><div></div></div> 71%	
Education	Not included in round 2	Not included in round 3	✓	<div><div></div></div> 76%	<div><div></div></div> 61%	
Delivery of essential COVID-19 tools						
COVID-19 diagnostic and testing	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)

**Top three bottlenecks for potential scale up**



**Top three technical assistance or support interventions needed to address bottlenecks**



**COVID-19 case management**

**Round 1**  
(May-Sept 2020)

**Round 2**  
(Jan-March 2021)

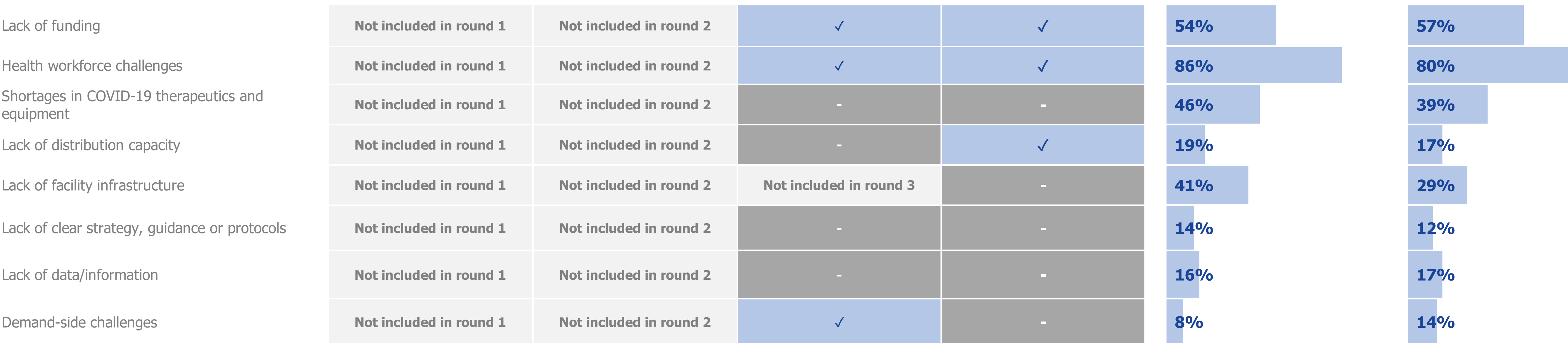
**Round 3**  
(Nov-Dec 2021)

**Round 4**  
(Nov 2022-Jan 2023)

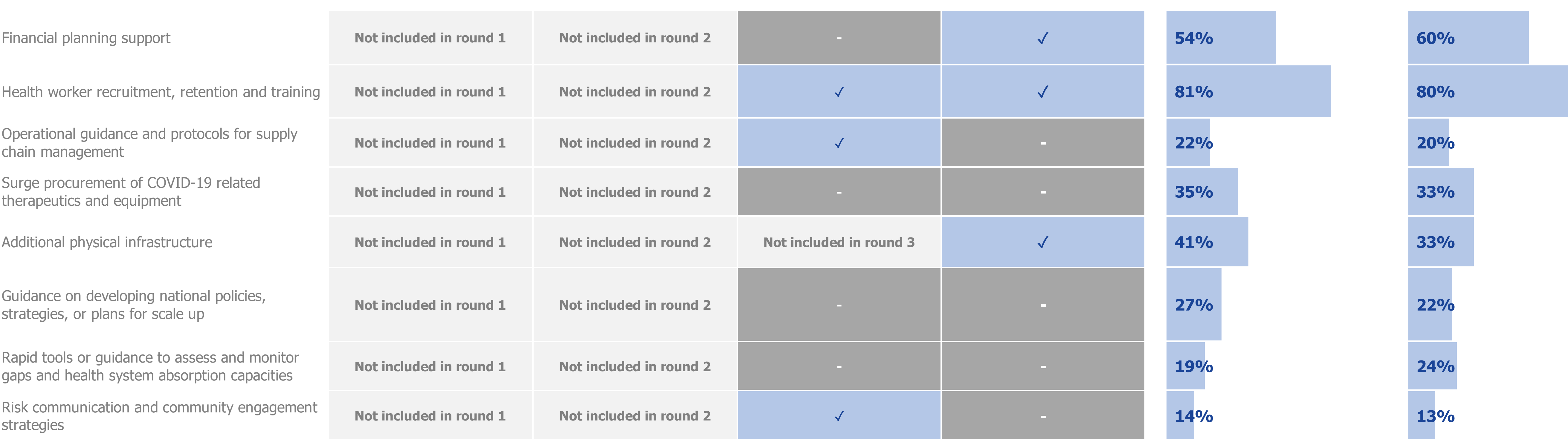
**Regional comparison**  
**(Round 4)**

**Global comparison**  
**(Round 4)**

**Top three bottlenecks for potential scale up**



**Top three technical assistance or support interventions needed to address bottlenecks**





### Delivery of essential COVID-19 tools (continued)

PPE distribution and use	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Top three bottlenecks for potential scale up					% of countries responding yes	
Lack of funding	Not included in round 1	Not included in round 2	✓	✓	67%	61%
Health workforce challenges	Not included in round 1	Not included in round 2	-	✓	33%	40%
Shortages in PPE	Not included in round 1	Not included in round 2	✓	✓	64%	58%
Lack of distribution capacity	Not included in round 1	Not included in round 2	-	-	42%	37%
Lack of clear strategy, guidance or protocols	Not included in round 1	Not included in round 2	-	-	22%	24%
Lack of data/information	Not included in round 1	Not included in round 2	✓	-	44%	43%

#### Top three technical assistance or support interventions needed to address bottlenecks

					% of countries responding yes	
Financial planning support	Not included in round 1	Not included in round 2	✓	✓	61%	65%
Health worker training on appropriate use of PPE	Not included in round 1	Not included in round 2	-	✓	47%	50%
Operational guidance and protocols for supply chain management	Not included in round 1	Not included in round 2	-	✓	42%	41%
Surge procurement of PPE	Not included in round 1	Not included in round 2	✓	-	50%	46%
Guidance on developing national policies, strategies, or plans for scale up	Not included in round 1	Not included in round 2	-	-	25%	23%
Rapid tools or guidance to assess and monitor gaps and health system absorption capacities	Not included in round 1	Not included in round 2	✓	-	39%	43%

COVID-19 vaccination	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Top three bottlenecks for potential scale up					% of countries responding yes	
Lack of funding	Not included in round 1	Not included in round 2	✓	✓	36%	37%
Health workforce challenges	Not included in round 1	Not included in round 2	-	✓	50%	47%
Shortages in vaccines and equipment	Not included in round 1	Not included in round 2	-	-	17%	24%
Lack of distribution capacity	Not included in round 1	Not included in round 2	-	-	33%	23%
Lack of clear strategy, guidance or protocols	Not included in round 1	Not included in round 2	✓	-	17%	11%
Lack of data/information	Not included in round 1	Not included in round 2	Not included in round 3	-	17%	11%
Demand-side challenges	Not included in round 1	Not included in round 2	✓	✓	72%	74%

#### Top three technical assistance or support interventions needed to address bottlenecks

					% of countries responding yes	
Financial planning support	Not included in round 1	Not included in round 2	-	✓	33%	37%
Health worker recruitment, retention and training	Not included in round 1	Not included in round 2	-	✓	53%	48%
Operational guidance and protocols for supply chain management	Not included in round 1	Not included in round 2	-	✓	36%	25%
Procurement of vaccines	Not included in round 1	Not included in round 2	✓	-	8%	21%
Guidance on developing national policies, strategies, or plans for scale up	Not included in round 1	Not included in round 2	-	-	25%	19%
Rapid tools or guidance to assess and monitor gaps and health system absorption capacities	Not included in round 1	Not included in round 2	✓	-	25%	22%

#### Integration of COVID-19 related services into routine health service delivery

	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
					% of countries responding yes	
COVID-19 vaccination	Not included in round 1	Not included in round 2	Not included in round 3	Yes, integrated and budgeted	64%	73%
COVID-19 diagnosis	Not included in round 1	Not included in round 2	Not included in round 3	Yes, integrated and budgeted	64%	72%
COVID-19 case management	Not included in round 1	Not included in round 2	Not included in round 3	Yes, integrated and budgeted	73%	75%
Post COVID-19 condition	Not included in round 1	Not included in round 2	Not included in round 3	Not yet, but plans have been made to do so	43%	58%

### Priority needs and technical assistance requirements from WHO

Request

No request made

In-depth profile: Sexual, reproductive, maternal, newborn, child and adolescent health

Mitigation strategies and recovery measures for sexual and reproductive health services

Communication and information	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
% of countries using strategy (with or without integration)						
Informing the community where, when and how to access SRH services	Not included in round 1	Not included in round 2	✓	Not used	76%	73%
Providing information to public about accurate and up-to-date educational materials on COVID-19 and SRH	Not included in round 1	Not included in round 2	×	Used and integrated into routine service delivery	94%	80%
Informing and alerting all service providers about the heightened risk of domestic violence	Not included in round 1	Not included in round 2	×	Not used	76%	68%
Access						
% of countries using strategy (with or without integration)						
Increasing availability of contraceptive methods and condoms that do not require direct supervision of health workers	Not included in round 1	Not included in round 2	✓	Used and integrated into routine service delivery	79%	61%
Enhancing identification and services for gender-based violence against women survivors	Not included in round 1	Not included in round 2	×	Not used	73%	59%
Alternative or adaptive measures						
% of countries using strategy (with or without integration)						
Relaxing requirements for prescriptions of SRH commodities	Not included in round 1	Not included in round 2	✓	Not used	42%	33%
Offering noninvasive medical methods for managing safe abortion	Not included in round 1	Not included in round 2	×	Not used	36%	28%
Waiving restrictions to accessing SRH services	Not included in round 1	Not included in round 2	×	Not used	30%	28%
Providing multi-month supplies of SRH commodities	Not included in round 1	Not included in round 2	✓	Not used	88%	62%
Using hotlines and/or telemedicine to minimize facility visits and provider-client contacts	Not included in round 1	Not included in round 2	No response	Not used	56%	56%
Adjusting forecasting for SRH commodities and supplies	Not included in round 1	Not included in round 2	×	Used and integrated into routine service delivery	85%	59%
Reducing the cost of SRH services	Not included in round 1	Not included in round 2	×	Used but not integrated into routine service delivery	52%	39%
Implement task shifting/sharing for essential SRH services	Not included in round 1	Not included in round 2	×	Not used	76%	45%

Mitigation strategies and recovery measures for maternal and newborn health services

Communication and information	% of countries using strategy (with or without integration)					
Informing the community where, when and how to access MNH services	Not included in round 1	Not included in round 2	✓	Not used	88%	73%
Promoting childbirth in health facilities irrespective of COVID-19	Not included in round 1	Not included in round 2	✓	Used but not integrated into routine service delivery	94%	80%
Informing families and caregivers on how to cope with stress and sustain a nurturing environment at home	Not included in round 1	Not included in round 2	×	Used and integrated into routine service delivery	76%	71%
Informing MNH CHWs on IPC measures	Not included in round 1	Not included in round 2	✓	Used and integrated into routine service delivery	91%	77%
Access						
Scheduling of ANC visits in advance	Not included in round 1	Not included in round 2	✓	Not used	62%	66%
Scheduling of PNC visits in advance	Not included in round 1	Not included in round 2	×	Not used	56%	65%
Modifying (temporarily) MNH referral system	Not included in round 1	Not included in round 2	×	Not used	71%	59%
Alternative or adaptive measures	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
% of countries using strategy (with or without integration)						
Offering multi-month prescriptions, micronutrient supplements, etc. during ANC or PNC	Not included in round 1	Not included in round 2	✓	Not used	62%	56%
Early discharge after normal delivery	Not included in round 1	Not included in round 2	No response	Not used	59%	56%
Continuity of labour companion	Not included in round 1	Not included in round 2	✓	Not used	62%	49%
Enhanced maternal mental health screening and counselling in maternal health services	Not included in round 1	Not included in round 2	No response	Not used	47%	42%
Using digital platforms for ANC or PNC counseling and screening to minimize facility visits	Not included in round 1	Not included in round 2	No response	Not used	56%	56%



In-depth profile: Sexual, reproductive, maternal, newborn, child and adolescent health, continued

Mitigation strategies and recovery measures for child and adolescent health services					% of countries using strategy (with or without integration)	
Communication and information	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Informing the community where, when and how to access sick and well child services	Not included in round 1	Not included in round 2	✓	Not applicable	94%	85%
Enhancing information to caregivers on child care	Not included in round 1	Not included in round 2	✓	Not applicable	85%	76%
Providing information on how to manage stress and sustain nurturing care in households during COVID-19	Not included in round 1	Not included in round 2	×	Not applicable	64%	64%
Informing adolescents where and how to access health services	Not included in round 1	Not included in round 2	×	Not applicable	79%	68%
Informing adolescents where and how to get support and care in case of violence	Not included in round 1	Not included in round 2	×	Not applicable	64%	59%
Informing health workers about the heightened risk to children and adolescents of violence, including sexual violence	Not included in round 1	Not included in round 2	✓	Not applicable	67%	64%
Access						
Enhancing provision of mental health and psychosocial support to caregivers of children and adolescents	Not included in round 1	Not included in round 2	×	Not applicable	45%	50%
Scheduling visits for child and/or adolescent services in advance	Not included in round 1	Not included in round 2	×	Not applicable	48%	52%
Enhance integrated outreach for delivery of vaccinations, growth monitoring, preventive and sick child services	Not included in round 1	Not included in round 2	✓	Not applicable	73%	64%
Offering multi-month prescriptions for children and adolescents with conditions that require chronic care	Not included in round 1	Not included in round 2	✓	Not applicable	55%	48%
Alternative or adaptive measures						
Using digital platforms for counselling, screening and follow-up after illness on matters related to child health	Not included in round 1	Not included in round 2	✓	Not applicable	42%	49%
Establishing hotlines and/or telemedicine for individual counselling of adolescents	Not included in round 1	Not included in round 2	×	Not applicable	58%	52%
Engaging community groups and youth networks to extend the provision of health information and services to adolescents	Not included in round 1	Not included in round 2	×	Not applicable	85%	64%

In-depth profile: Nutrition services

Mitigation strategies and recovery measures for nutrition services

% of countries using strategy (with or without integration)

Alternative or adaptive measures	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Providing/prescribing nutrition drugs and supplies for multi-month	Not included in round 1	Not included in round 2		Not used	50%	54%
Making use of alternative delivery channels for nutrition services	Not included in round 1	Not included in round 2	×	Used and integrated into routine service delivery	74%	73%
Reducing the frequency of routine nutrition services, including screening for severe wasting	Not included in round 1	Not included in round 2	×	Not used	59%	40%
Bundling nutrition services with other nutrition or health services	Not included in round 1	Not included in round 2	✓	Not used	65%	51%
Prioritizing key nutrition interventions	Not included in round 1	Not included in round 2	✓	Not used	53%	58%
Task shifting for essential nutrition services	Not included in round 1	Not included in round 2	✓	Not used	59%	46%
Postponing of some nutrition services	Not included in round 1	Not included in round 2	×	Not used	35%	44%

In-depth profile: Care for older people

Mitigation strategies and recovery measures for care for older people

% of countries using strategy (with or without integration)

Communication and information	Round 1 (May-Sept 2020)	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Inform older people, their households and caregivers, regarding where, when and how to access health and LTC services	Not included in round 1	Not included in round 2	✓	Not applicable	62%	70%
Inform older people, their households and caregivers on IPC measures	Not included in round 1	Not included in round 2	✓	Not applicable	86%	86%
Inform older people, their households and caregivers on the importance of promoting physical and mental health	Not included in round 1	Not included in round 2	×	Not applicable	72%	80%
Inform older people, their households and their caregivers, on where and how to report and get help in the case of elder abuse	Not included in round 1	Not included in round 2	×	Not applicable	38%	46%
Inform health workers about the heightened risk of elder abuse	Not included in round 1	Not included in round 2	×	Not applicable	41%	46%
Ensure accessible information and different communication strategies for older people with impairments	Not included in round 1	Not included in round 2	×	Not applicable	34%	50%
Establish hotlines for older people and care givers to provide targeted information for older people	Not included in round 1	Not included in round 2	✓	Not applicable	41%	47%
Provide accurate accessible information of COVID-19 vaccines and access to COVID-19 vaccines according to national vaccine policies	Not included in round 1	Not included in round 2	✓	Not applicable	86%	88%

Access

% of countries using strategy (with or without integration)

Use telemedicine and/or home outreach proactively to minimize health facility visits and schedule visits in advance	Not included in round 1	Not included in round 2	×	Not applicable	41%	65%
Offer multi-month prescriptions for older adults who have underlying health conditions	Not included in round 1	Not included in round 2	✓	Not applicable	79%	82%
Establish mechanisms for medication delivery for older adults who have underlying health conditions	Not included in round 1	Not included in round 2	×	Not applicable	34%	61%
Facilitate access to rehabilitation services	Not included in round 1	Not included in round 2	✓	Not applicable	24%	40%

Alternative or adaptive measures

% of countries using strategy (with or without integration)

Engaging community groups and networks to extend the provision of health information and services to older people	Not included in round 1	Not included in round 2	×	Not applicable	66%	63%
Introduce (if doesn't exist) psychosocial support for older people, for those socially isolated and with grief and loss	Not included in round 1	Not included in round 2	×	Not applicable	48%	56%
For older people who are care dependent, develop an alternative plan in case the primary caregiver is unavailable, and identify an alternative caregiver and/or alternative facility	Not included in round 1	Not included in round 2	×	Not applicable	28%	37%
Provide education and training for caregivers at home and long-term care facilities on IPC measures and how to continue providing care safely	Not included in round 1	Not included in round 2	×	Not applicable	48%	57%
Establish and enhance the mechanism for relieving the burden on caregivers, including providing psychological support using digital platforms and respite care	Not included in round 1	Not included in round 2	×	Not applicable	28%	41%



In-depth profile: Immunization

During the previous 6 months, which of the following routine immunization services have been *disrupted* due to COVID-19 vaccination?

Facility-based immunization services for:	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
				% of countries responding yes	
Infants/young children	No response	No	No	24%	14%
School-aged children and adolescents	No response	No	No	15%	11%
Pregnant women	No response	No	No	24%	11%
Adults	No response	No	No	12%	8%
Routine outreach immunization services	No response	Do not know	No	36%	21%

During the previous 6 months, which of the following routine immunization services have been *improved* due to COVID-19 vaccination?

Facility-based immunization services for:	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
				% of countries responding yes	
Infants/young children	Not included in round 2	Not included in round 3	No	28%	24%
School-aged children and adolescents	Not included in round 2	Not included in round 3	No	16%	19%
Pregnant women	Not included in round 2	Not included in round 3	No	28%	25%
Adults	Not included in round 2	Not included in round 3	No	17%	24%
Routine outreach immunization services	Not included in round 2	Not included in round 3	No	31%	31%

Has the increased demand for vaccination resources had a negative impact on routine immunization services?

	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
				% of countries responding yes	
Human resources	No response	Yes	No	89%	87%
Needles or syringes	No response	No	No	33%	20%
Safety boxed to dispose used syringes/needles	No response	No	No	33%	20%
Cold chain equipment	No response	Yes	Yes	63%	48%
Final disposal of injection wastage	No response	No	No	52%	42%

	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)
Disruption to demand for routine immunization services as a results of COVID-19 and associated epidemic prevention measures:	Disruptions to demand for immunization are similar to those seen in Jan-March 2021	No disruptions: demand for immunization continues as before the pandemic
Has the country been able to measure the result of catch-up activities?	Not included in round 3	Yes, for some of the activities (example, results of vaccination campaigns)

In-depth profile: Neglected tropical diseases

Infrastructure and activities

Government staff responsible for NTDs have been reassigned/deployed to COVID-19 response

Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)
YES - Some staff supporting COVID-19 efforts full time	YES - All staff partially supporting COVID-19 efforts along with routine NTD activities	No

Percentage of government funds for NTDs that have been reassigned to non-NTD services due to COVID-19 response efforts

76-100%	None or not yet	None or not yet
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Planned NTD government activities that have been postponed

	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
% of countries responding yes					
None	×	✓	✓	70%	68%
Advocacy and resource mobilization for NTD programme	✓	No response	No response	60%	56%
Training and capacity-building activities (in-person or virtual) related to NTDs	✓	No response	No response	80%	63%
Integrated vector management	✓	No response	No response	30%	16%
Specific vector control activity delayed:					
Animal health/control of zoonotic NTDs	✓	No response	No response	20%	22%
Monitoring, evaluation and research	✓	No response	No response	30%	50%
Information reporting on NTDs	×	No response	No response	30%	38%

Current impact of COVID-19 on the following:

	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
% of countries responding yes					
People affected by NTDs	No response	No response	No response	23%	16%
Mortality related to NTDs	No response	No response	No response	9%	11%
Funding for related NTD activities	No response	No response	No response	55%	36%
Visibility of population at risks for NTDs	No response	No response	No response	38%	22%
Prioritization of NTD activities	No response	No response	No response	26%	27%
Expiration of NTD medicines and diagnostics	No response	No response	No response	18%	11%
Stockout of NTD medicines and diagnostics	No response	No response	No response	21%	11%



In-depth profile: Neglected tropical diseases (continued)

Surveys/population screening/surveillance for active case finding

Specific survey delayed:

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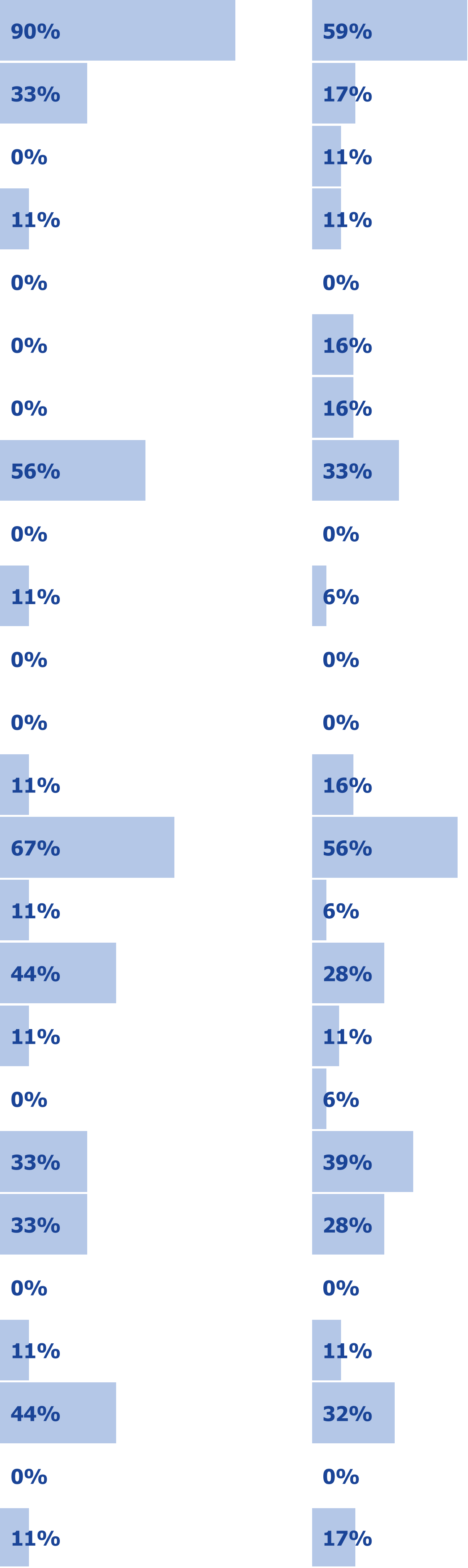
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✓	No response	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
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Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response
Not included in round 2	Not included in round 3	No response



Are there any technical guidance or tools that you would suggest WHO to develop related to NTDs during COVID-19 outbreak?

L'APPUI A LA MISE EN OEUVRE DU PLAN STRATEGIQUE MTN

In-depth profile: Noncommunicable diseases

Infrastructure and activities

Government staff responsible for NCDs have been reassigned/deployed to COVID-19 response

Round 2  
(Jan-March 2021)

Round 3  
(Nov-Dec 2021)

Round 4  
(Nov 2022-Jan 2023)

YES - Some staff supporting COVID-19 efforts full time

No response

No

Percentage of government funds for NTDs that have been reassigned to non-NTD services due to COVID-19 response efforts

76 -100%

No response

None or not yet

Policies and plans

Round 2  
(Jan-March 2021)

Round 3  
(Nov-Dec 2021)

Round 4  
(Nov 2022-Jan 2023)

Regional comparison  
(Round 4)

Global comparison  
(Round 4)

Additional funding currently being allocated for NCDs in the government budget for the COVID-19 response

×

No response

×

10%

% of countries responding yes

19%

Planned NCD government activities that have been postponed

None

×

No response

✓

61%

% of countries responding yes

63%

Implementation of NCD Surveys

✓

No response

No response

62%

58%

Public screening programs for NCDs

✓

No response

No response

38%

47%

WHO HEARTS technical package

×

No response

No response

31%

28%

Mass communication campaigns

✓

No response

No response

38%

38%

Rehabilitation packages for NCD

No response

No response

No response

23%

16%

Current impact of COVID-19 on the following

Funding for NCD risk factors activities

No response

No response

No response

33%

% of countries responding yes

25%

Funding for NCD healthcare activities

No response

No response

No response

14%

13%

Funding for NCD surveillance

No response

No response

No response

29%

17%

Prioritization of NCD risk factors activities by health authorities

No response

No response

No response

16%

18%

Prioritization of NCD healthcare activities by health authorities

No response

No response

No response

13%

11%

Prioritization of NCD surveillance / information system

No response

No response

No response

10%

10%

Stock out of NCD medicines

No response

No response

No response

20%

12%

Stock out of NCD technologies

No response

No response

No response

15%

9%

What are your country's plans to re-initiate any suspended NCD services?

TOUTES LES ACTIVITES ONT ETE RETABLIES

No response

TOUTES LES ACTIVITES ONT ETE RETABLIES

Are there any technical guidance or tools that you would suggest WHO to develop related to NCDs during COVID-19 outbreak?

No response

No response

ELABORATION D'UN NOUVEAU PLAN STRATEGIQUE MNT



In-depth profile: Mental, neurological, and substance use disorders

Policies and plans	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Mental health and psychosocial support response part of national COVID-19 response plan	No response	No response	✓	83%	88%
Funded?	No response	No response	Yes, but less than 33% funded		
Mental health and psychosocial support response part of national COVID-19 recovery plan?	No response	No response	✓	74%	73%
Funded?	Not included in round 2	Not included in round 3	Yes, but less than 33% funded		

Following activities have been implemented as part of the current mental health and psychosocial support (MHPSS) response plan for COVID-19

				% of countries responding yes	
Orient responders to mental health and psychosocial aspects of COVID-19	Not applicable	No response	×	87%	83%
Ensure inter-sectoral referral pathways are established and contextualized to the situation of limited physical distancing	Not applicable	No response	×	61%	55%
Distribute timely and accessible information on general and MHPSS services, coping strategies and updates	Not applicable	No response	✓	70%	77%
Provide MHPSS to people in COVID treatment centers, isolation and quarantine	Not applicable	No response	×	83%	76%
Protect the mental health and well-being of all responders ensuring that they can access mental health and psychosocial care.	Not applicable	No response	✓	91%	81%
Provide care and address the basic needs and mental health care needs of people with existing MNS conditions induced or exacerbated by COVID-19	Not applicable	No response	×	65%	65%
Address the specific mental health and neurological needs of older adults, people with disabilities and other vulnerable persons	Not applicable	No response	×	43%	48%
Targeted Risk communication strategies/campaigns to address social stigma	Not applicable	No response	✓	70%	61%
Establish opportunities for the bereaved to mourn even from a distance.	Not applicable	No response	✓	48%	40%
Integrate response activities into existing services	No response	No response	✓	78%	73%
Ensure that risk of infection for people with mental neurological and substance use disorders in mental health hospitals and long-term care facilities are minimized	Not applicable	No response	×	65%	56%
Integrate mental health and psychosocial support preparedness in national emergency response plans	Not included in round 2	Not included in round 3	×	78%	63%
Review of national mental health policies or plans to include preparedness and response to public health emergencies	Not included in round 2	Not included in round 3	✓	61%	54%

In-depth profile: Mental, neurological, and substance use disorders (continued)

	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
				% of countries responding yes	
Have a functioning multisectoral mental health and psychosocial coordination platform	×	×	×	41%	54%
Following Ministries and bodies are part of the coordination platform					
Ministry of Health	Not applicable	No response	No response	100%	100%
Ministry of Social/Family Affairs	Not applicable	No response	No response	77%	82%
Ministry of Education	Not applicable	No response	No response	85%	82%
Ministry of Labour	Not applicable	No response	No response	15%	38%
Ministry of Finance	Not applicable	No response	No response	15%	28%
Ministry of Foreign Affairs	Not applicable	No response	No response	23%	18%
United Nations Agencies	Not applicable	No response	No response	54%	57%
Governmental entity responsible for substance use	Not applicable	No response	No response	38%	55%
Non-governmental Organizations	Not applicable	No response	No response	92%	86%
Service users’ representatives	Not applicable	No response	No response	46%	41%
National professional associations/societies	Not applicable	No response	No response	54%	67%
National disaster management authority	Not applicable	No response	No response	23%	42%
COVID-19 response plan includes provisions for services and supports for people with post-COVID condition, especially mental and neurological sequelae of post-COVID condition	No response	No response	No		
COVID-19 recovery plan includes provisions for services and supports for people with post-COVID condition, especially mental and neurological sequelae of post-COVID condition	No response	No response	No		
	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
People with post COVID MNS conditions managed in the following settings:				% of countries responding yes	
No services yet established	Not included in round 2	Not included in round 3	No response	15%	4%
Specialist mental health facilities	Not included in round 2	Not included in round 3	No response	100%	82%
Specialist neurologist facilities	Not included in round 2	Not included in round 3	No response	36%	36%
Specialist internal medicine facilities	Not included in round 2	Not included in round 3	No response	36%	24%
Specialist infectious diseases facilities	Not included in round 2	Not included in round 3	No response	18%	13%
General outpatient facilities	Not included in round 2	Not included in round 3	No response	82%	76%
Increase in service use/demand for post-COVID mental health assessments	Not included in round 2	Not included in round 3	No increase (less than 5% increase or decrease)		
	Round 2 (Jan-March 2021)	Round 3 (Nov-Dec 2021)	Round 4 (Nov 2022-Jan 2023)	Regional comparison (Round 4)	Global comparison (Round 4)
Government policies/directives designating access to essential services for mental, neurological and substance use (MNS) disorders				% of countries responding yes	
Mental health services at stand-alone psychiatric hospitals	No response	No response	No response	4%	2%
Specialized MNS services at general hospitals	No response	No response	No response	4%	1%
Specialized neurology services at health facilities	No response	No response	No response	4%	1%
Specialized services for substance use disorders at health facilities	No response	No response	No response	5%	3%
Community-based services for MNS disorders including in primary care facilities	No response	No response	No response	13%	5%
Surveillance					
Collecting or collating data on mental, neurological and substance use disorders or	No	Yes, for people with post-COVID condition	No		



Key informants			
Round 4 survey sections	Key informant	Key informant position	Key informant organisation
Continuity of essential health services module	NGARKIE KOUDOR ABAKAR	chef de service Adjoint des Statistiques Sanitaires	Ministere de la SantÃ© Publique et de la Prevention
Sexual, reproductive, maternal, newborn, child and adolescent health	NGARKIE KOUDOR ABAKAR	Chef de service Adjoint des Statistiques Sanitaires	Ministere de la SantÃ© Publique et de la Prevention
Nutrition	ABAKAR NGARKI	CHEF DE SERVICE ADJOINT STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE
Immunization	ABAKAR KOUDOR NGAKI	CHEF DE SERVICE ADJOINT DE STATISTIQUES SANITAIRE	MINISTERE DE LA SANTE PUBLIQUE ET DE LA PREVENTION
Human immunodeficiency virus and hepatitis	ABAKAR KUDOR NGARKI	CHEF DE SERVICE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET LA PREVENTION
Tuberculosis	ABAKAR NGORKI KUDOR	CHEF DE SERVIVE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET DE LA PREVENTION
Malaria	ABAKAR KUDOR NGARKI	CHEF DE SERVICE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET LA PREVENTION
Neglected tropical diseases	ABAKAR KUDOR NGARKI	CHEF DE SERVICE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET PREVENTION
Noncommunicable diseases	ABAKAR KUDOR NGARKI	CHEF DE SERVICE ADJOINT STATISTIQUES SANITAIRE	MINISTERE DE LA SANTE PUBLIQUE ET LA PREVENTION
Mental health, neurology and substance use disorders	ABAKAR NGORKI KUDOR	CHEF DE SERVICE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET LA PREVENTION
Care for older people	ABAKAR NGARKI KUDOR	CHEF DE SERVICE ADJOINT DES STATISTIQUES SANITAIRES	MINISTERE DE LA SANTE PUBLIQUE ET LA PREVENTION
Future acute respiratory pandemic preparedness	ABAKAR NGARKI	CHEF DE CE STATISTIQUES	MINISTERE DE LA SANTE