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Overview

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

Background

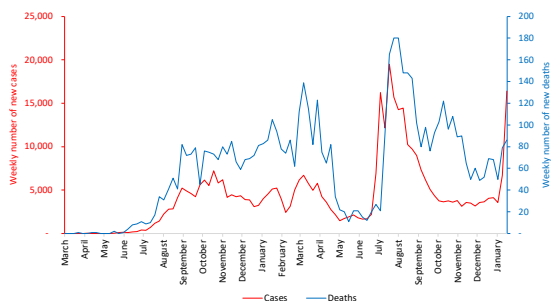
| | | | | | |
|-------------------|-----------|-----------------------------|---------------------|-----------------------------------|------|
| Region | EMR | Income Group | Upper middle income | Life Expectancy (years) | 75.8 |
| Population | 6,871,292 | GDP (USD per capita) | \$5,756.7 | Population 60 and over (%) | 6.9% |

Survey participation

| Round 1 surveys | Submission Date | Round 3 survey sections | Submission Date |
|--|---------------------|--|---------------------|
| Essential Health Services | Did not participate | Continuity of essential health services module | Did not participate |
| Noncommunicable diseases | 15-May-20 | Sexual, reproductive, maternal, newborn, child and adolescent health | Did not participate |
| Mental, neurological, and substance use disorders | 13-Jul-20 | Nutrition | Did not participate |
| | | Immunization | Did not participate |
| | | Human immunodeficiency virus and hepatitis | Did not participate |
| Round 2 survey sections | | | |
| Health system functions | Did not participate | Tuberculosis | Did not participate |
| Reproductive, maternal, newborn, child and adolescent health and nutrition | Did not participate | Malaria | Did not participate |
| Immunization | Did not participate | Neglected tropical diseases | Did not participate |
| Human immunodeficiency virus and hepatitis | Did not participate | Mental health, neurology and substance use disorders | 25-Nov-21 |
| Tuberculosis | Did not participate | Care for older people | Did not participate |
| Malaria | Did not participate | | |
| Neglected tropical diseases | Did not participate | | |
| Noncommunicable diseases | Did not participate | | |
| Mental, neurological, and substance use disorders | Did not participate | | |

Transmissibility timeline

Weekly number of new COVID-19 cases and deaths



| | Cases | Deaths |
|------------|------------|------------|
| Peak | 19,510 | 180 |
| Peak date | 2021-07-25 | 2021-08-01 |
| Latest | 16,399 | 86 |
| Proportion | 84% | 48% |

Summary of disruptions

Libya

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Trend over three rounds |
|---|----------------------------|-----------------------------|---------------------------|-------------------------|
| Percentage of essential health services disrupted | 100% | No response | 100% | |
| Number of essential health services disrupted | 10 out of 10 services | No response | 8 out of 8 services | |

Regional comparison
(round 3)

Global comparison
(round 3)

Average% of services disrupted



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) |
|--|----------------------------|-----------------------------|---------------------------|
| Primary care | Not applicable | Not applicable | Not applicable |
| Emergency, critical, and operative care | Not applicable | Not applicable | Not applicable |
| Rehabilitative and palliative services | Not applicable | Not applicable | Not applicable |
| Community care | Not included in round 1 | Not included in round 2 | Not applicable |
| Hospital inpatient services | Not included in round 1 | Not included in round 2 | Not applicable |
| Appointments with specialists | Not included in round 1 | Not included in round 2 | Not applicable |
| Sexual, reproductive, maternal, newborn, child and adolescent health | Not applicable | Not applicable | Not applicable |
| Nutrition | Not applicable | Not applicable | Not applicable |
| Immunization | Not applicable | Not applicable | Not applicable |
| Communicable disease | Not applicable | Not applicable | Not applicable |
| Neglected Tropical Diseases | Not applicable | Not applicable | Not applicable |
| Cancer services | All services disrupted | Not applicable | Not applicable |
| Mental, neurological, and substance use (MNS) disorders | All services disrupted | Not applicable | All services disrupted |
| Care for older people | Not included in round 1 | Not included in round 2 | Not applicable |

Disruptions across service delivery settings and platforms

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | | Regional comparison | Global comparison | |
|---|----------------------------|-----------------------------|---------------------------|---|------------------------|----------------------|---------|
| Primary care | Not included in round 1 | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries | |
| Routine scheduled visits | Not included in round 1 | No response | No response | No response | 50% | 57% | |
| Visits for undifferentiated symptoms | Not included in round 1 | No response | No response | No response | 57% | 58% | |
| Prescription renewals for chronic medications | Not included in round 1 | No response | No response | No response | 29% | 43% | |
| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries | |
| Emergency, critical and operative care | Not applicable | Not applicable | Not applicable | | | | |
| Ambulance services at the scene | Not included in round 1 | No response | No response | No response | 29% | 36% | |
| 24-hour emergency room/unit services | No response | No response | No response | No response | 29% | 32% | |
| Elective surgeries | Not included in round 1 | No response | No response | No response | 33% | 59% | |
| Emergency surgeries | No response | No response | No response | No response | 0% | 23% | |
| | | | | | More than 50% | 26 - 50% | 5 - 25% |
| Trends in the backlogs in the previous 6 months: | | | | | | % of countries | |
| | Not included in round 1 | No response | No response | | Regional comparison | Global comparison | |
| Elective surgeries and procedures | Not included in round 1 | No response | No response | | 67% | 40% | |
| Appointments with specialists (outpatient) | Not included in round 1 | Not included in round 2 | No response | | 100% | 49% | |
| Screening, diagnosis and treatment of cancers | Not included in round 1 | Not included in round 2 | No response | | 50% | 40% | |
| Screening, diagnosis and treatment of NCDs | Not included in round 1 | Not included in round 2 | No response | | 17% | 44% | |
| Rehabilitation services | Not included in round 1 | Not included in round 2 | No response | | 33% | 44% | |

Disruptions across service delivery channels (continued)

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | | Regional comparison | Global comparison |
|--|----------------------------|-----------------------------|---------------------------|---|------------------------|----------------------|
| Rehabilitative, palliative and long-term care | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | |
| | | | | | | % of countries |
| Rehabilitation services | No response | No response | No response | No response | 43% | 52% |
| Palliative services | No response | No response | No response | No response | 25% | 44% |
| Community care | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Level of disruption May-Oct 2021 compared to Q1 2021 | Regional comparison | Global comparison |
| | Not included in round 1 | Not included in round 2 | Not applicable | | | % of countries |
| Outreach services | Not included in round 1 | Not included in round 2 | No response | No response | 57% | 57% |
| Health post and home visits by CHWs | Not included in round 1 | Not included in round 2 | No response | No response | 50% | 52% |
| Other | | | | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Hospital inpatient services | Not included in round 1 | Not included in round 2 | No response | No response | 50% | 46% |
| Appointments with specialists | Not included in round 1 | Not included in round 2 | No response | No response | 50% | 58% |

Disruptions to tracer services

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Level of disruption May-Oct 2021 compared to Q1 2021 | % of countries |
|---|----------------------------|-----------------------------|---------------------------|---|---|
| Sexual, reproductive, maternal, newborn, child and adolescent health | Not applicable | Not applicable | Not applicable | | |
| Family planning and contraception | No response | No response | No response | No response | 20%  38%  |
| Safe abortion | Not included in round 1 | Not included in round 2 | No response | No response | 0%  25%  |
| Post-abortion care services | Not included in round 1 | Not included in round 2 | No response | No response | 0%  21%  |
| Safe abortion and post-abortion care | Not included in round 1 | No response | Not included in round 3 | Not available | |
| Fertility care/infertility services | Not included in round 1 | Not included in round 2 | No response | No response | 0%  27%  |
| Identification and care for intimate partner violence | Not included in round 1 | Not included in round 2 | No response | No response | 25%  33%  |
| Response to sexual violence (post-rape care) | Not included in round 1 | Not included in round 2 | No response | No response | 33%  32%  |
| Intimate partner and sexual violence prevention and response | Not included in round 1 | No response | Not included in round 3 | Not available | |
| Antenatal care | No response | No response | No response | No response | 29%  34%  |
| Facility-based births | Not included in round 1 | Not included in round 2 | No response | No response | 29%  26%  |
| Postnatal care for women and newborns | Not included in round 1 | Not included in round 2 | No response | No response | 29%  29%  |
| Neonatal intensive care unit (NICU) services | Not included in round 1 | Not included in round 2 | No response | No response | 14%  22%  |
| Sick child services | No response | No response | No response | No response | 29%  32%  |
| Well-child visits | Not included in round 1 | Not included in round 2 | No response | No response | 29%  46%  |
| Adolescent and youth friendly services | Not included in round 1 | Not included in round 2 | No response | No response | 50%  48%  |
| Nutrition | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | % of countries |
| Counselling on infant and young-child feeding | Not included in round 1 | Not included in round 2 | No response | No response | 33%  55%  |
| Screening for and/or management of moderate and severe wasting | No response | No response | No response | No response | 67%  57%  |
| Distribution of high dose vitamin A supplementation | Not included in round 1 | Not included in round 2 | No response | No response | 0%  48%  |

Disruptions to tracer services (continued)

Immunization

Routine facility-based immunization services

Routine outreach immunization services

Communicable diseases

HIV prevention services

HIV testing services

Continuation of established ARV treatment

Initiation of new ARV treatment

Hepatitis B and C diagnosis and treatment

TB case detection and treatment

Malaria diagnosis and treatment

Campaigns for distribution of insecticide treated nets (ITN)

Malaria prevention campaigns: indoor residual spraying (IRS)

Malaria prevention campaigns: seasonal malaria chemoprevention (SMC)

Malaria surveillance

Neglected Tropical Diseases

Diagnosis, treatment and care for NTDs

Large scale preventive chemotherapy campaigns for NTDs

Community awareness and health education campaigns for NTDs

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

Prescriptions for NTD medicines

Surgical procedures for NTDs

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (May-Oct 2021) | | Regional comparison | Global comparison |
|--|----------------------------|-----------------------------|---------------------------|--|---------------------|-------------------|
| | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Routine facility-based immunization services | No response | No response | No response | No response | 38% | 48% |
| Routine outreach immunization services | No response | No response | No response | No response | 38% | 49% |
| | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| HIV prevention services | No response | No response | No response | No response | 60% | 48% |
| HIV testing services | No response | No response | No response | No response | 43% | 49% |
| Continuation of established ARV treatment | No response | No response | No response | No response | 0% | 20% |
| Initiation of new ARV treatment | No response | No response | No response | No response | 0% | 31% |
| Hepatitis B and C diagnosis and treatment | No response | No response | No response | No response | 25% | 48% |
| TB case detection and treatment | No response | No response | No response | No response | 17% | 49% |
| Malaria diagnosis and treatment | No response | No response | No response | No response | 0% | 27% |
| Campaigns for distribution of insecticide treated nets (ITN) | No response | No response | No response | No response | 0% | 36% |
| Malaria prevention campaigns: indoor residual spraying (IRS) | No response | No response | No response | No response | 0% | 23% |
| Malaria prevention campaigns: seasonal malaria chemoprevention (SMC) | No response | No response | No response | No response | 0% | 30% |
| Malaria surveillance | Not included in round 1 | Not included in round 2 | No response | No response | 0% | 38% |
| | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Diagnosis, treatment and care for NTDs | Not included in round 1 | No response | No response | No response | 40% | 48% |
| Large scale preventive chemotherapy campaigns for NTDs | Not included in round 1 | No response | No response | No response | 25% | 52% |
| Community awareness and health education campaigns for NTDs | Not included in round 1 | No response | No response | No response | 60% | 55% |
| Support for self-care, rehabilitation and psychosocial services for patients with chronic NTDs | Not included in round 1 | No response | No response | No response | 25% | 41% |
| Prescriptions for NTD medicines | Not included in round 1 | No response | No response | No response | 40% | 32% |
| Surgical procedures for NTDs | Not included in round 1 | No response | No response | No response | 50% | 44% |

More than 50%

26 - 50%

5 - 25%

Disruptions to tracer services (continued)

Cancer services

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | | Regional comparison | Global comparison |
|------------------|----------------------------|-----------------------------|---------------------------|--|---------------------|-------------------|
| | All services disrupted | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Cancer screening | Not included in round 1 | No response | No response | No response | 40% | 51% |
| Cancer treatment | 5-50% | No response | No response | No response | 20% | 39% |

Mental, neurological, and substance use (MNS) disorders

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | | Regional comparison | Global comparison |
|---|----------------------------|-----------------------------|---------------------------|--|---------------------|-------------------|
| | All services disrupted | Not applicable | All services disrupted | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Management of emergency of MNS manifestations | 5-50% | No response | 26-50% | Still disrupted, better than Jan-March 2021 | 29% | 30% |
| Psychotherapy/counselling/psychosocial interventions for MNS disorders | More than 50% | No response | 26-50% | Still disrupted, better than Jan-March 2021 | 57% | 48% |
| Availability of psychotropic medicines for management of MNS disorders | 5-50% | No response | More than 50% | Still disrupted, worse than Jan-March 2021 | 31% | 37% |
| Services for children and adolescents with mental health conditions or disabilities | More than 50% | No response | More than 50% | Still disrupted, better than Jan-March 2021 | 33% | 39% |
| Services for older adults with mental health conditions or disabilities, including dementia | More than 50% | No response | 26-50% | Still disrupted, better than Jan-March 2021 | 43% | 44% |
| Neuroimaging and neurophysiology | Not included in round 1 | No response | Do not know | No response | 13% | 34% |
| School mental health programme | More than 50% | No response | Not applicable | No response | 60% | 55% |
| Inclusive schooling for children with special needs | Not included in round 1 | Not included in round 2 | Not applicable | No response | 55% | 48% |
| Suicide prevention programme | More than 50% | No response | Not applicable | No response | 38% | 45% |
| Substance use prevention and management programs | More than 50% | No response | More than 50% | Do not know | 22% | 46% |
| Alcohol prevention and management programs | No response | Not included in round 2 | More than 50% | Do not know | 13% | 51% |
| Critical harm reduction services | More than 50% | No response | More than 50% | Still disrupted, better than Jan-March 2021 | 33% | 50% |

Care for older people

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | | Regional comparison | Global comparison |
|--|----------------------------|-----------------------------|---------------------------|--|---------------------|-------------------|
| | Not applicable | Not applicable | Not applicable | Level of disruption May-Oct 2021 compared to Q1 2021 | | % of countries |
| Health and social care services in long-term care facilities | Not included in round 1 | Not included in round 2 | No response | Still disrupted, better than Jan-March 2021 | 20% | 50% |
| Health and social care services in the community | Not included in round 1 | Not included in round 2 | No response | Still disrupted, better than Jan-March 2021 | 43% | 59% |
| Provision of integrated health and social care services | Not included in round 1 | Not included in round 2 | No response | Still disrupted, worse than Jan-March 2021 | 43% | 51% |
| Screening and assessment of physical and mental capacities | Not included in round 1 | Not included in round 2 | No response | Still disrupted, better than Jan-March 2021 | 50% | 62% |

More than 50%

26 - 50%

5 - 25%

Health system bottlenecks and priority needs to support delivery of COVID-19 essential tools

| COVID-19 diagnostic and testing | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Regional comparison | Global comparison |
|---|----------------------------|-----------------------------|---------------------------|------------------------|----------------------|
| Top three bottlenecks for potential scale up | | | | | |
| | | | | % of countries | |
| Lack of funding | Not included in round 1 | Not included in round 2 | No response | 33% | 51% |
| Health workforce challenges | Not included in round 1 | Not included in round 2 | No response | 33% | 56% |
| Shortages in laboratory supplies and equipment | Not included in round 1 | Not included in round 2 | No response | 33% | 47% |
| Lack of distribution capacity | Not included in round 1 | Not included in round 2 | No response | 0% | 11% |
| Lack of clear strategy, guidance or protocols | Not included in round 1 | Not included in round 2 | No response | 22% | 11% |
| Lack of data/information | Not included in round 1 | Not included in round 2 | No response | 22% | 11% |
| Demand-side challenges | Not included in round 1 | Not included in round 2 | No response | 22% | 22% |
| Other | Not included in round 1 | Not included in round 2 | Nothing additional | | |

| Top three technical assistance or support interventions needed to address bottlenecks? | | | | % of countries | |
|---|-------------------------|-------------------------|-------------|----------------|-----|
| Financial planning support | Not included in round 1 | Not included in round 2 | No response | 33% | 45% |
| Health worker recruitment, retention and training | Not included in round 1 | Not included in round 2 | No response | 22% | 49% |
| Operational guidance and protocols for supply chain management | Not included in round 1 | Not included in round 2 | No response | 22% | 16% |
| Surge procurement of COVID-19 laboratory supplies and equipment | Not included in round 1 | Not included in round 2 | No response | 0% | 36% |
| Guidance on developing national policies, strategies, or plans for scale up | Not included in round 1 | Not included in round 2 | No response | 44% | 16% |
| Rapid tools or guidance to assess and monitor gaps and health system absorption capacities | Not included in round 1 | Not included in round 2 | No response | 44% | 20% |
| Risk communication and community engagement strategies | Not included in round 1 | Not included in round 2 | No response | 33% | 27% |
| Other | Not included in round 1 | Not included in round 2 | - | | |

| COVID-19 case management | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Regional comparison | Global comparison |
|---|-----------------------------------|------------------------------------|----------------------------------|----------------------------|--------------------------|
| Top three bottlenecks for potential scale up | | | | | |
| | | | | % of countries | |
| Lack of funding | Not included in round 1 | Not included in round 2 | No response | 22% | 41% |
| Health workforce challenges | Not included in round 1 | Not included in round 2 | No response | 22% | 64% |
| Shortages in COVID-19 therapeutics and equipment | Not included in round 1 | Not included in round 2 | No response | 44% | 41% |
| Lack of distribution capacity | Not included in round 1 | Not included in round 2 | No response | 0% | 16% |
| Lack of clear strategy, guidance or protocols | Not included in round 1 | Not included in round 2 | No response | 22% | 11% |
| Lack of data/information | Not included in round 1 | Not included in round 2 | No response | 33% | 17% |
| Demand-side challenges | Not included in round 1 | Not included in round 2 | No response | 22% | 18% |
| Other | Not included in round 1 | Not included in round 2 | Nothing additional | | |

| Top three technical assistance or support interventions needed to address bottlenecks? | | | | | |
|---|-------------------------|-------------------------|--------------------|----------------|-----|
| | | | | % of countries | |
| Financial planning support | Not included in round 1 | Not included in round 2 | No response | 22% | 35% |
| Health worker recruitment, retention and training | Not included in round 1 | Not included in round 2 | No response | 22% | 61% |
| Operational guidance and protocols for supply chain management | Not included in round 1 | Not included in round 2 | No response | 11% | 13% |
| Surge procurement of COVID-19 related therapeutics and equipment | Not included in round 1 | Not included in round 2 | No response | 11% | 45% |
| Guidance on developing national policies, strategies, or plans for scale up | Not included in round 1 | Not included in round 2 | No response | 44% | 24% |
| Rapid tools or guidance to assess and monitor gaps and health system absorption capacities | Not included in round 1 | Not included in round 2 | No response | 33% | 19% |
| Risk communication and community engagement strategies | Not included in round 1 | Not included in round 2 | No response | 33% | 19% |
| Other | Not included in round 1 | Not included in round 2 | Nothing additional | | |

| PPE distribution and use | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Regional comparison | Global comparison |
|---|-----------------------------------|------------------------------------|----------------------------------|----------------------------|--------------------------|
| Top three bottlenecks for potential scale up | | | | | |
| | | | | % of countries | |
| Lack of funding | Not included in round 1 | Not included in round 2 | No response | 0% | 34% |
| Health workforce challenges | Not included in round 1 | Not included in round 2 | No response | 56% | 36% |
| Shortages in PPE | Not included in round 1 | Not included in round 2 | No response | 11% | 34% |
| Lack of distribution capacity | Not included in round 1 | Not included in round 2 | No response | 11% | 22% |
| Lack of clear strategy, guidance or protocols | Not included in round 1 | Not included in round 2 | No response | 22% | 11% |
| Lack of data/information | Not included in round 1 | Not included in round 2 | No response | 56% | 26% |
| Other | Not included in round 1 | Not included in round 2 | Nothing additional | | |

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

| | Not included in round 1 | Not included in round 2 | No response | % of countries | |
|--|-------------------------|-------------------------|--------------------|----------------|-----|
| Financial planning support | | | | 11% | 28% |
| Health worker training on appropriate use of PPE | | | | 44% | 35% |
| Operational guidance and protocols for supply chain management | | | | 33% | 26% |
| Surge procurement of PPE | | | | 11% | 28% |
| Guidance on developing national policies, strategies, or plans for scale up | | | | 22% | 20% |
| Rapid tools or guidance to assess and monitor gaps and health system absorption capacities | | | | 44% | 31% |
| Other | | | Nothing additional | | |

COVID-19 vaccination

Round 1
(May-Sept 2020)

Round 2
(Jan-March 2021)

Round 3
(Nov-Dec 2021)

Regional comparison

Global comparison

Top three bottlenecks for potential scale up

| | Not included in round 1 | Not included in round 2 | No response | % of countries | |
|---|-------------------------|-------------------------|--------------------|----------------|-----|
| Lack of funding | | | | 22% | 28% |
| Health workforce challenges | | | | 0% | 35% |
| Shortages in vaccines and equipment | | | | 11% | 18% |
| Lack of distribution capacity | | | | 22% | 12% |
| Lack of clear strategy, guidance or protocols | | | | 11% | 17% |
| Demand-side challenges | | | | 44% | 58% |
| Other | | | Nothing additional | | |

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

| | Not included in round 1 | Not included in round 2 | No response | % of countries | |
|--|-------------------------|-------------------------|--------------------|----------------|-----|
| Financial planning support | | | | 11% | 24% |
| Health worker recruitment, retention and training | | | | 0% | 31% |
| Operational guidance and protocols for supply chain management | | | | 11% | 7% |
| Procurement of vaccines | | | | 22% | 20% |
| Guidance on developing national policies, strategies, or plans for scale up | | | | 22% | 17% |
| Rapid tools or guidance to assess and monitor gaps and health system absorption capacities | | | | 22% | 26% |
| Risk communication and community engagement strategies | | | | 44% | 51% |
| Other | | | Nothing additional | | |

Disruption to in-country supply chain system

| | | |
|-------------------------|-------------|-------------|
| Not included in round 1 | No response | No response |
|-------------------------|-------------|-------------|

% of countries with disruption to in-country supply chain system

| | |
|-----|-----|
| 13% | 46% |
|-----|-----|

Health system and services responsiveness

National policies, plans and mechanisms to support continuity of essential health services (EHS)

| | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Regional comparison | Global comparison |
|--|----------------------------|-----------------------------|---------------------------|-------------------------------|-------------------|
| | | | | % of countries responding yes | |
| Country had defined national EHS package prior to COVID-19 pandemic | No response | No response | Not included in round 3 | Not available | |
| Government has defined EHS to be maintained during COVID-19 | No response | No response | Not included in round 3 | Not available | |
| 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 | No response | 78% | 49% |
| Government has allocated additional funding to maintain EHS during COVID-19 | No response | No response | No response | 75% | 73% |
| Government has allocated additional funding for longer-term recovery and/or health service resilience and preparedness | Not included in round 1 | Not included in round 2 | No response | 67% | 70% |
| Sub-areas where investments have been made | | | | | |
| New facility infrastructure | Not included in round 1 | Not included in round 2 | No response | 75% | 73% |
| Digital health technologies and infrastructure | Not included in round 1 | Not included in round 2 | No response | 75% | 76% |
| Health workforce capacity strengthening | Not included in round 1 | Not included in round 2 | No response | 75% | 87% |
| Access to medicines, supplies and other health products | Not included in round 1 | Not included in round 2 | No response | 100% | 91% |
| Technologies and methods to support infodemic management | Not included in round 1 | Not included in round 2 | No response | 75% | 69% |

Decision-making and/or development of policies and strategies for adapting and restoring essential health services during COVID-19

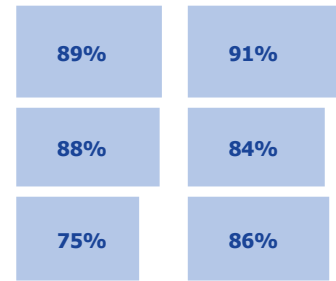
| | | | | | |
|----------------------------------|-------------------------|-------------------------|-------------|-----|-----|
| Central Ministry of Health | Not included in round 1 | Not included in round 2 | No response | 89% | 93% |
| Decentralized Health Authorities | Not included in round 1 | Not included in round 2 | No response | 89% | 48% |
| Individual facilities | Not included in round 1 | Not included in round 2 | No response | 22% | 25% |

Information tracking

Regularly monitoring the continuity of EHS during COVID-19

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | No response | No response |
| Not included in round 1 | No response | No response |
| Not included in round 1 | Not included in round 2 | No response |

% of countries



Existence of team dedicated to tracking and addressing the infodemic and health misinformation during COVID-19

| | | |
|-------------------------|-------------|-------------|
| Not included in round 1 | No response | No response |
|-------------------------|-------------|-------------|



Collecting or collating data on comorbidities in COVID-19 patients

| | | |
|-------------------------|-------------|-------------|
| Not included in round 1 | No response | No response |
|-------------------------|-------------|-------------|



Collecting or collating patient-level data on post-COVID-19 condition and its sequelae

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



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 response |
|-------------------------|-------------------------|-------------|



Strategic changes to service delivery platform access

Primary care services

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|

% of countries



Outpatient services

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



Inpatient services

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



Emergency unit services

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



Prehospital emergency care services

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



Community-based care

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



Mobile clinics

| | | |
|-------------|-------------|-------------|
| No response | No response | No response |
|-------------|-------------|-------------|



■ Suspended ■ Limited

Health system and services responsiveness (continued)

| Strategic changes to essential public health functions and | Round 1 (May-Sept 2020) | Round 2 (Jan-March 2021) | Round 3 (Nov-Dec 2021) | Regional comparison % of countries | Global comparison % of countries |
|--|----------------------------|-----------------------------|---------------------------|---------------------------------------|-------------------------------------|
| Health protection population-based activities | Not included in round 1 | No response | No response | 38% | 35% |
| Health promotion population-based activities | Not included in round 1 | No response | No response | 56% | 49% |
| Disease prevention population-based activities | Not included in round 1 | No response | No response | 56% | 53% |
| Surveillance and response | Not included in round 1 | No response | No response | 11% | 17% |
| Emergency preparedness and response | Not included in round 1 | No response | No response | 0% | 13% |
| Communications and social mobilization activities for health | Not included in round 1 | No response | No response | 44% | 36% |
| Public health research | Not included in round 1 | No response | No response | 44% | 44% |

■ Suspended ■ Limited

General Mitigation strategies and recovery measures

Service delivery modifications

| | Round 1 | Round 2 | Round 3 | Regional comparison % of countries | Global comparison % of countries |
|--|-------------------------|-------------|-------------|---------------------------------------|-------------------------------------|
| Expansion of facility hours | Not included in round 1 | No response | No response | 33% | 27% |
| Provision of home-based care where appropriate | Not included in round 1 | No response | No response | 56% | 59% |
| Telemedicine deployment to replace in-person consults | Not included in round 1 | No response | No response | 67% | 51% |
| Use of self-care interventions where appropriate | Not included in round 1 | No response | No response | 56% | 45% |
| Catch-up campaigns for missed appointments | Not included in round 1 | No response | No response | 67% | 42% |
| Integration of several services into single visit | Not included in round 1 | No response | No response | 22% | 43% |
| Redirection of patients to alternate care sites/reorientation of referral pathways | No response | No response | No response | 56% | 49% |

Health worker capacities and training

| | Round 1 | Round 2 | Round 3 | Regional comparison % of countries | Global comparison % of countries |
|--|-------------------------|-------------------------|-------------|---------------------------------------|-------------------------------------|
| Redistribution of health worker tasks and optimization of roles | No response | No response | No response | 56% | 71% |
| 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 | No response | 78% | 73% |
| Recruitment of additional staff | No response | No response | No response | 44% | 72% |
| Provision of mental health care and psychosocial support to health workers | Not included in round 1 | Not included in round 2 | No response | 56% | 62% |
| 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 | No response | 22% | 21% |
| Paid sick leave, overtime pay, and/or hazard pay | Not included in round 1 | Not included in round 2 | No response | 56% | 47% |

Access to medicines and health products

| | | | | | |
|---|-------------------------|-------------------------|-------------|------|-----|
| Novel approaches to renewing prescriptions and dispensing medications | Not included in round 1 | Not included in round 2 | No response | 43% | 53% |
| Adaption of supply chain logistics and management processes | No response | No response | No response | 57% | 56% |
| Procurement of surge commodities (e.g. PPE, oxygen) | Not included in round 1 | Not included in round 2 | No response | 100% | 88% |

Community engagement and risk communication strategies

| | | | | | |
|--|-------------------------|-------------|-------------|-----|-----|
| Community communications | No response | No response | No response | 89% | 87% |
| Use of proactive governmental strategies to reach vulnerable groups | Not included in round 1 | No response | No response | 67% | 64% |
| Use of existing networks or organizations (e.g. NGOs) to reach vulnerable groups | Not included in round 1 | No response | No response | 78% | 76% |

Health financing strategies

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Removal of user fees or provision of subsidies for fees at point of use | No response | No response | No response | 67% | 45% |
| Provision of cash transfers for vulnerable populations to access care | Not included in round 1 | Not included in round 2 | No response | 50% | 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 | No response | 17% | 46% |

Mitigation strategies and recovery measures for sexual and reproductive health services

% of countries

Communication and information

| | | | | | |
|---|-------------------------|-------------------------|-------------|------|-----|
| Informing the community where, when and how to access SRH services | Not included in round 1 | Not included in round 2 | No response | 50% | 78% |
| 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 | No response | 100% | 81% |
| Informing and alerting all service providers about the heightened risk of domestic violence | Not included in round 1 | Not included in round 2 | No response | 67% | 53% |

Access

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| 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 | No response | 17% | 55% |
| Enhancing identification and services for gender-based violence against women survivors | Not included in round 1 | Not included in round 2 | No response | 50% | 52% |

Alternative or adaptive measures

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Relaxing requirements for prescriptions of SRH commodities | Not included in round 1 | Not included in round 2 | No response | 0% | 24% |
| Offering noninvasive medical methods for managing safe abortion | Not included in round 1 | Not included in round 2 | No response | 17% | 27% |
| Waiving restrictions to accessing SRH services | Not included in round 1 | Not included in round 2 | No response | 33% | 25% |
| Providing multi-month supplies of SRH commodities | Not included in round 1 | Not included in round 2 | No response | 0% | 55% |
| 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 | 67% | 60% |
| Adjusting forecasting for SRH commodities and supplies | Not included in round 1 | Not included in round 2 | No response | 17% | 38% |
| Reducing the cost of SRH services | Not included in round 1 | Not included in round 2 | No response | 17% | 25% |
| Implement task shifting/sharing for essential SRH services | Not included in round 1 | Not included in round 2 | No response | 17% | 31% |

Mitigation strategies and recovery measures for maternal and newborn health services

% of countries

Communication and information

| | | | | | |
|--|-------------------------|-------------------------|-------------|------|-----|
| Informing the community where, when and how to access MNH services | Not included in round 1 | Not included in round 2 | No response | 71% | 78% |
| Promoting childbirth in health facilities irrespective of COVID-19 | Not included in round 1 | Not included in round 2 | No response | 100% | 81% |
| 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 | No response | 67% | 53% |
| Informing MNH CHWs on IPC measures | Not included in round 1 | Not included in round 2 | No response | 86% | 80% |

Access

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Scheduling of ANC visits in advance | Not included in round 1 | Not included in round 2 | No response | 57% | 69% |
| Scheduling of PNC visits in advance | Not included in round 1 | Not included in round 2 | No response | 43% | 62% |
| Task shifting of non-clinical ANC interventions to community level | Not included in round 1 | Not included in round 2 | No response | 0% | 22% |
| Tasking shifting of non-clinical PNC interventions to community level | Not included in round 1 | Not included in round 2 | No response | 0% | 21% |
| Modifying (temporarily) MNH referral system | Not included in round 1 | Not included in round 2 | No response | 29% | 31% |

Alternative or adaptive measures

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Offering multi-month prescriptions, micronutrient supplements, etc. during ANC or PNC | Not included in round 1 | Not included in round 2 | No response | 29% | 47% |
| Early discharge after normal delivery | Not included in round 1 | Not included in round 2 | No response | 14% | 46% |
| Early discharge of stable high-risk newborns | Not included in round 1 | Not included in round 2 | No response | 0% | 17% |
| Continuity of labour companion | Not included in round 1 | Not included in round 2 | No response | 43% | 39% |
| Enhanced maternal mental health screening and counselling in maternal health services | Not included in round 1 | Not included in round 2 | No response | 57% | 38% |
| 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 | 71% | 42% |

Mitigation strategies and recovery measures for child and adolescent health services

% of countries

Communication and information

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Informing the community where, when and how to access sick and well child services | Not included in round 1 | Not included in round 2 | No response | 71% | 81% |
| Enhancing information to caregivers on child care | Not included in round 1 | Not included in round 2 | No response | 57% | 80% |
| 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 | No response | 57% | 58% |
| Informing adolescents where and how to access health services | Not included in round 1 | Not included in round 2 | No response | 57% | 69% |
| Informing adolescents where and how to get support and care in case of violence | Not included in round 1 | Not included in round 2 | No response | 43% | 53% |
| 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 | No response | 43% | 52% |

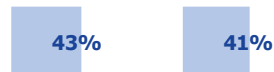
Access

| | | | | | |
|---|-------------------------|-------------------------|-------------|-----|-----|
| Enhancing provision of mental health and psychosocial support to caregivers of children and adolescents | Not included in round 1 | Not included in round 2 | No response | 57% | 44% |
| Scheduling visits for child and/or adolescent services in advance | Not included in round 1 | Not included in round 2 | No response | 14% | 44% |
| Enhance integrated outreach for delivery of vaccinations, growth monitoring, preventive and sick child services | Not included in round 1 | Not included in round 2 | No response | 57% | 60% |
| Offering multi-month prescriptions for children and adolescents with conditions that require chronic care | Not included in round 1 | Not included in round 2 | No response | 29% | 40% |

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 | No response |
|-------------------------|-------------------------|-------------|



Shifting services for sick children and/or adolescents

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



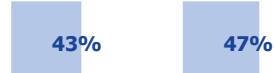
Establishing hotlines and/or telemedicine for individual counselling of adolescents

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



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 | No response |
|-------------------------|-------------------------|-------------|



% of countries

Mitigation strategies and recovery measures for nutrition services

Alternative or adaptive measures

Providing/prescribing nutrition drugs and supplies for multi-month

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Making use of alternative delivery channels for nutrition services

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Reducing the frequency of routine nutrition services, including screening for severe wasting

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Bundling nutrition services with other nutrition or health services

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Prioritizing key nutrition interventions

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Task shifting for essential nutrition services

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Postponing of some nutrition services

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



% of countries

Mitigation strategies and recovery measures for care for older people

Communication and information

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 | No response |
|-------------------------|-------------------------|-------------|



Inform older people, their households and caregivers on IPC measures

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



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 | No response |
|-------------------------|-------------------------|-------------|



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 | No response |
|-------------------------|-------------------------|-------------|



Inform health workers about the heightened risk of elder abuse

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Ensure accessible information and different communication strategies for older people with impairments

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Establish hotlines for older people and caregivers to provide targeted information for older people

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Provide accurate accessible information of COVID-19 vaccines and access to COVID-19 vaccines according to national vaccine policies

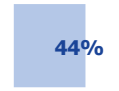
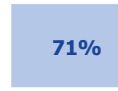
| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Access

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 | No response |
|-------------------------|-------------------------|-------------|



Offer multi-month prescriptions for older adults who have underlying health conditions

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Establish mechanisms for medication delivery for older adults who have underlying health conditions

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Facilitate access to rehabilitation services

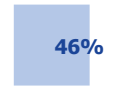
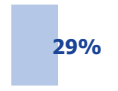
| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



Alternative or adaptive measures

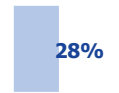
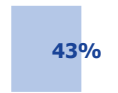
Engaging community groups and networks to extend the provision of health information and services to older people

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



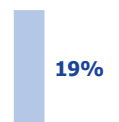
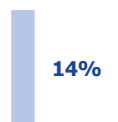
Introduce (if doesn't exist) psychosocial support for older people, for those socially isolated and with grief and loss

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



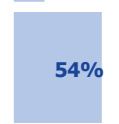
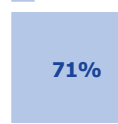
For older people who are care dependent, develop an alternative plan in case the primary caregiver is unavailable, and identify an alternative caregiver and/or alternative facility

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



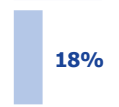
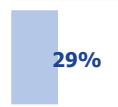
Provide education and training for caregivers at home and long-term care facilities on IPC measures and how to continue providing care safely

| | | |
|-------------------------|-------------------------|-------------|
| Not included in round 1 | Not included in round 2 | No response |
|-------------------------|-------------------------|-------------|



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 | No response |
|-------------------------|-------------------------|-------------|



Priority needs and technical assistance requirements from WHO

Request

No request made

In-depth profiles: 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:

Infants/young children

School-aged children and adolescents

Pregnant women

Adults

Routine outreach immunization services

Round 3
(Nov-Dec 2021)

No response

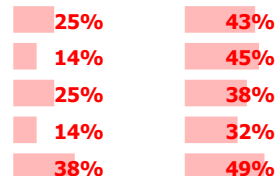
No response

No response

No response

No response

% of countries



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

% of countries

No impact

Human resources

Needles or syringes

Safety boxed to dispose used syringes/needles

Cold chain equipment

Final disposal of injection wastage

Round 3
(Nov-Dec 2021)

No response

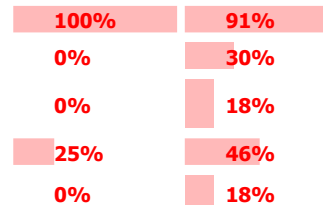
No response

No response

No response

No response

No response



Disruption to demand for routine immunization services as a result of COVID-19 and associated epidemic prevention measures:

No response

What kind of catch-up activities is the country implementing, or planning to implement before the end of 2021?

% of countries

Periodic intensification of routine immunization (PIRI)

Enhanced routine immunization (providing additional routine immunization sessions)

Demand promotion campaigns (not targeted to only children who missed a dose)

Targeted communication to families of children who have missed one or more doses

Mass vaccination campaigns (where children in the target age are vaccinated regardless of previous vaccination status)

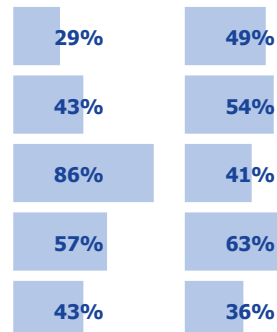
No response

No response

No response

No response

No response



Round 3 survey sections**Key informant****Key informant position****Key informant organisation**

Continuity of essential health services module

Sexual, reproductive, maternal, newborn, child and adolescent health

Nutrition

Immunization

Human immunodeficiency virus and hepatitis

Tuberculosis

Malaria

Neglected tropical diseases

Mental health, neurology and substance use disorders

Care for older people

Doaa Mormesh

Head of Mental health unit in PHCI

Primary health care institution