

IHR COUNTRY CAPACITY ASSESSMENT, MONITORING, EVALUATION AND PLANNING UPDATE

Published for partner coordination

9 December 2022

The calendar of missions and activities is available at: <https://extranet.who.int/sph>

IHR States Parties Self-Assessment Annual Reporting 2021 (SPAR)

As of the 25 August 2022, 184 countries (94%) provided WHO with the SPAR Report for 2021, the highest submissions so far for a SPAR reporting cycle. The data from countries reporting using the SPAR tool has now been published on the e-SPAR website (<https://extranet.who.int/e-spar>).

World Health Organization		e-SPAR STATE PARTY ANNUAL REPORT		IHR States Parties Annual Reporting submission status per year 2021 (Updated on 18-07-2022)				
WHO Region	Total Number of Countries	Total Submitted	Total Not Submitted	Total Submitted via Another SPAR Format	Total Submitted(%)	Total Not Submitted(%)	Total Submitted via Another SPAR Format(%)	
AFRO	47	47	0	0	100	0	0	
AMRO	35	32	3	0	91	9	0	
EMRO	21	21	0	0	100	0	0	
EURO	55	51	4	0	93	7	0	
SEARO	11	11	0	0	100	0	0	
WPRO	27	22	5	0	81	19	0	
All Regions	196	184	12	0	94	6	0	

WHO has published an updated version of the SPAR tool second edition. This version reflects changes made in line with lessons learned from the COVID-19 pandemic. The WHO Secretariat hosted a technical working group involving representatives from States Parties and partners in order to review SPAR and provide recommendations for updating the tool.

The SPAR tool second edition in English is available at:
<https://www.who.int/publications/i/item/9789240040120>

Detailed information on the e-SPAR platform can be found here: <https://extranet.who.int/e-spar>.

COUNTRY COVID-19 INTRA-ACTION REVIEW (IAR)

For information on Country COVID-19 intra-action review (IAR) guidance and accompanying tools that countries can use to identify practical areas for immediate remediation and sustained improvement of the ongoing response to COVID-19, please visit the following web page on the WHO COVID-19 platform: https://www.who.int/publications/i/item/WHO-2019-nCoV-Country_IAR-2020.1

Country COVID-19 IARs completed to date¹: 136 IARs (conducted by 78 countries)

- **2022 (18 IARs):** Democratic Republic of Congo (North Kivu province)* (21-22 January), Tanzania* (21-23 February), Democratic Republic of Congo* (Haut-Katanga province) (28 Feb – 4 March), Burundi (24-25 March), Nepal (29-30 March), Cameroon* (2-6 April), Azerbaijan (10-13 May), Tunisia (24-26 May), Solomon Islands (2-3 May), Democratic Republic of Congo* (Kasai Oriental province) (6-7 May), Ivory Coast (31 May - 3 June), Democratic Republic of Congo* (Kongo Central province) (7-11 June), Kyrgyzstan (15-16 June), Vanuatu

(27-28 June), Lao PDR (7-14 July), Ecuador (18-22 July), Gabon (22-24 July), Democratic Republic of Congo* (Lualaba province) (8-10 September)

- 2021 (69 IARs):** Cambodia (20 January), Tanzania (Zanzibar) (25-29 January), Ukraine (28-29 January), Angola (11-12 February), Cameroon (22-26 February), Cox's Bazar - Bangladesh (1 February), Bhutan (25-27 February), Burundi (9-12 March), The Netherlands (11 March), The Netherlands (18 March), Gambia (6 – 10 April), Lesotho (13-14 April), Botswana* (21 April), Bhutan* (4-5 May), Germany (20 May PoE, airport sector), Guinea (25-28 May), Montenegro (24-28 May 2021, jointly with RKI), Kenya (31 May – 1 June), Cambodia – 16 provinces (June – November), Seychelles (15 Jun-2 July), Benin (16-18 June), Gambia* (28-29 June), Senegal* (7-8 July), Congo* (20-21 July), Ghana* (21-22 July), Tanzania (21-23 July), Uganda* (22-23 July), Ethiopia* (23-24 July), Somalia* (5-6 July), Democratic Republic of Congo* (27-29 July), Madagascar (28-30 July), Liberia* (28-30 July), São Tomé and Príncipe (28-30 July), Mali (4-6 August), South Sudan* (5-6 August), Chad* (7-9 August), São Tomé and Príncipe* (9-11 August), Bhutan (28-29 August), Syria* (21 August), Ireland (series of workshops September-October), Niger* (6-8 September), Guinea-Bissau* (6 – 10 September), Togo* (8-10 September), Mozambique* (13-14 September), Zambia* (14-15 September), Cameroon* (20-24 September), El Salvador* (20-28 September), Sierra Leone* (21-23 September), Burkina Faso* (27-30 September), Kosovo¹ (5-8 October), Bolivia* (6-8 October), Mauritania* (11-14 October), Kenya* (18-22 October), Zimbabwe* (18-24 October), Tanzania* (20-21 October), Indonesia* (1-12 November), North Macedonia (2-5 November), Chad (17-19 November), Guinea* (22-24 November), Namibia* (23-25 November), Central African Republic* (25-26 November), Colombia (29 November), Eswatini* (29 Nov – 4 December 2021), Lesotho* (1-3 December 2021), Lao PDR* (1-31 December), Ecuador* (16-18 December), Greece (PoE - 17 December), Mongolia (October – January 2022), Rwanda*(20 December)
- 2020 (49 IARs):** Brazil (State of Minas Gerais) (17-21 June), Ethiopia (July 14 – August 25), Mauritius (30 Jun – 06 Aug), Niger (28 September – 9 October), Thailand (20-24 July), Latvia (3 August), Indonesia (11-14 August), Uzbekistan (21-28 August) (Lead by Robert Koch Institute), South Africa (27 August), Nigeria (26 August), Liberia (September 11-19), Senegal (September 15-19), Sierra Leone (28 August – 23 September), Namibia (28 September), South Sudan (26-27 October) Zimbabwe (September 25 – October 2); Gabon (October 15 – 17), Zambia (September 23 – 25), Malawi (October 27 – 29), Eswatini (26-30 October), Rwanda (1-13 November), Mongolia (6-8 May), Lao PDR (21-22 October), Viet Nam (13-14 October), Botswana (9-12 November), Kyrgyzstan (27 November), Republic of Moldova (1-4 December), Democratic Republic of Congo (8-10 December), Uganda (19 October – 11 December), Mozambique (1-19 Oct), Burkina Faso (30 November – December 4), Bangladesh (14-21 December), Afghanistan (20-25 September), Pakistan (14-24 October), Tunisia (15-20 November), Lebanon (7-11 December), South Africa (Eastern Cape) (29-30 September), South Africa (North West) (18 September), South Africa (KwaZulu-Natal) (1 -3 September), Ethiopia (1 – 30 September), South Africa (Gauteng) (1-2 October), South Africa (Northern Cape) (21-22 October), South Africa (Free State) (28 Sep-2 October), South Africa (Limpopo) (26-27 October), Namibia (27 – 28 October), South Africa (Mpumalanga) (21-24 Aug), India (Gujarat) (December), Syria (July), Syria (December)

Next scheduled Country COVID-19 IAR: Tajikistan and Turkiye (both December TBD)

Country COVID-19 IARs in the pipeline: 21 IARs

REGION	COUNTRY	EVENT	DATES	
AFRO	Angola	COVID-19 (Vaccination)	2022	TBC
AFRO	Guinea Bissau	COVID-19	2022	TBD

AFRO	Malawi	COVID-19 (Vaccination)	2022	TBC
AFRO	Mauritius	COVID-19 (Vaccination)	2022	TBC
AFRO	South Africa	COVID-19 (Vaccination)	2022	TBC
AFRO	Zambia	COVID-19 (Vaccination)	2022	TBC
AMRO	Guatemala	COVID-19 (Vaccination)	2022	TBC
EMRO	Lebanon	COVID-19 (Vaccination)	2022	TBC
EMRO	Morocco	COVID-19 (Vaccination)	2022	TBC
EMRO	Oman	COVID-19	2022	TBC
EMRO	Syria	COVID-19 (Vaccination)	2022	TBC
EMRO	Tunisia	COVID-19 (Vaccination)	2022	TBC
EURO	Albania	COVID-19 (Vaccination)	2022	TBC
EURO	Georgia	COVID-19	2022	TBC
EURO	Tajikistan	COVID-19	2022	December TBD
EURO	Türkiye	COVID-19	2022	December TBD
SEARO	Nepal	COVID-19 (Vaccination)	2022	TBC
WPRO	Cambodia	COVID-19	2022	TBC
WPRO	Fiji	COVID-19	2022	TBC
WPRO	Papua New Guinea	COVID-19	2022	Q4 TBC
WPRO	Tonga	COVID-19	2022	TBC

Intra-action reviews are a routine practice conducted by States Parties. The listed activities are those where WHO has provided support and/or participated in.

**These IARs included the review of the vaccination pillar (as part of a comprehensive IAR or a vaccination-specific review) by using Mini-cPIE or other methodologies.*

NATIONAL PLANNING

National Action Plan for Health Security (NAPHS) guidance, resources and reports can be found at: <https://www.who.int/emergencies/operations/international-health-regulations-monitoring-evaluation-framework/national-action-plan-for-health-security>

The NAPHS dashboard is available at: <https://extranet.who.int/sph/naphs>

National planning completed to date: 86 workshops

The sign ‡ next to a country name indicates that the workshop was mid-term or annual review of an existing NAPHS

- **2022 (11 workshops):** Republic of Congo‡ (28 February – 4 March), Eritrea‡ (March), Cabo Verde‡ (12-22 April), South Africa‡ (23-27 May), Lesotho‡ (13-17 June), Tunisia‡ (28 June – 1 July), Botswana‡ (22-27 August), Sudan ‡ (18-19 October), Turkmenistan (Working group meeting) (4 November), Rwanda ‡ (14-19 November), Mauritius (21-25 Nov)

- **2021 (6 workshops):** Central African Republic, (23-26 March), Gabon (6-10 September), Gambia (18-22 October), Angola (15-19 November), Guinea Bissau (13-19 December), Togo (July)
- **2020 (3 workshops):** Malawi (17-19 February), Botswana (16-20 March), Mali (9–13 November)
- **2019 (19 workshops)** Bahrain (February), Bhutan (February 25–March 1), Democratic Republic of the Congo (May 13-17), Djibouti (4-7 Aug), Guinea (April 15–19), Iraq (March 18-20), Oman (April), Rwanda (May 6-10), Timor-Leste (June 26-28), Tunisia (April 22-24), United Arab Emirates (February 3-6), Viet Nam (April), Zimbabwe (February 18-22), Zambia (March 4-8), Eswatini (19–23 August), Niger (19–23 August), Lesotho (9–13 September), South Sudan (16-20 September), Bangladesh (November 3-4)
- **2018 (29 workshops):** Afghanistan (September 18-20), Australia (December), Benin (April 24-27), Burkina Faso (October 08-12), Burundi (December 3-7), Cameroon (December 10-14), Chad (April 16-20), China, Comoros (September 03-07), Côte d'Ivoire (March 20-22), Egypt (November 27-29), Ethiopia (April 30-May 02), Ghana (June 18-22), Indonesia (July 23-27), Kenya (July 23-27), Kuwait (September 23-25), Libya (July 14-16), Malaysia, Maldives (January), Mauritania (March 5-9), Nigeria (July 23-27), Qatar (October 21-24), Somalia (August 26-28), South Africa (September 25-27), Sri Lanka (March 20-22), Sudan (August 12-14), Thailand, *United Republic of Tanzania (Zanzibar) (June 18-22)*, United States of America (October)
- **2017 (16 workshops):** Cambodia (October), Eritrea (April 04-08), Finland (November 07-08), Jordan (October 29-November 2), Kingdom of Saudi Arabia (December 10-14), Lao People's Democratic Republic (November), Lebanon (July 25-28), Liberia (November 27-30), Mongolia (December), Morocco (June 19-23), Mozambique (October 11-13), Myanmar (September 11-15), Namibia (October 31 - November 02), Senegal (September 12-14), Sierra Leone, (November 07-10), Uganda (October 10-13)
- **2016 (2 workshops):** Pakistan (December 01-04), United Republic of Tanzania (November 14-18)

NAPHS available on the Strategic Partnership Portal: Australia, Benin, Eritrea, Liberia, Myanmar, Nigeria, Sierra Leone, Sri Lanka, Uganda, United Republic of Tanzania, United States of America.

Next scheduled mission(s): Central African Republic (7-16 December)

National planning ongoing and in the pipeline: 9 countries

REGION	COUNTRY	DATES*	
AFRO	Central African Republic	2022	7-16 December
AFRO	United Republic of Tanzania	2022	TBC
AFRO	Nigeria	2022	TBC
EURO	Uzbekistan	2022	12 – 13 December
EURO	Tajikistan	2023	TBC
EMRO	Iraq	2022	TBC
EMRO	Syria	2022	TBC
EMRO	Pakistan	2022	TBC
SEARO	India	2022	TBC

*Confirmed dates associated with WHO technical support to national action planning for health security.

VOLUNTARY MONITORING AND EVALUATION

The IHR Monitoring and Evaluation Framework outlines the various mechanisms for monitoring capacities required under the IHR and underscores the mutual accountability, transparency, experience sharing and dialogue between Member States and WHO which contributes to global health security. The items below indicate the plans for implementing the voluntary components of the Framework. The voluntary components of the Framework include joint external evaluations, simulation exercises and after-action reviews.

A. JOINT EXTERNAL EVALUATIONS

Supporting documents to facilitate the orientation of the JEE process to stakeholders and support JEE implementation have been under development to accompany the updates to the JEE Tool second edition, which was published in January 2018. Supporting documents, previously available in English, are now available in French, Russian, and Spanish. Continue to check back on the links below for additional translations and updated documents.

The JEE Dashboard is available at: [JEE | Strategic Partnership for Health Security and Emergency Preparedness \(SPH\) Portal \(who.int\)](#)

JEE Tool and Resources are available at: <https://www.who.int/emergencies/operations/international-health-regulations/joint-external-evaluations>

JEE Reports can be found at: <https://www.who.int/emergencies/operations/international-health-regulations/joint-external-evaluations>

JEEs completed to date: 117 Countries

- **2022 (4 countries):** Algeria (March 27-31), Uzbekistan (16-20 May), Thailand (October 31 – November 4), Nepal (28 Nov – 2 Dec)
- **2021 (1 country):** Ukraine (November 29-December 3)
- **2019 (21 countries):** Angola (November 17-22), Argentina (August 19 – 30), Brunei Darussalam (October 28-1 November), Cabo Verde (November 3 – 8), Congo (March 10-15), Dominican Republic (September 15 – 21), Equatorial Guinea (December 8-13), Gabon (June 30 – July 5), Georgia (June 10-14), Germany (November 25-29), Guinea Bissau (July 7 – 12), Haiti (June 30 – July 5), Iraq (March 10-18), Malawi (February 11-15), Malaysia (October 20-25), Marshall Islands (September 23 – 27), Montenegro (May 27-31), North Macedonia (March 11-15), Palau (July 29 – August 2), Sao Tome & Principe (May 12-17), Tajikistan (October 21-25)
- **2018 (24 countries):** Burundi (March 11-16), Canada (June 12-20), Central African Republic (November 25-30), Democratic Republic of the Congo (March 11-16), Djibouti (July 1-5), Egypt (30 Sept– 4 Oct), Federated States of Micronesia (August 13-17), Grenada (November 26-30), Japan (February 26-March 02), Kingdom of Eswatini (April 08-13), Libya (July 8-14), Lithuania (November 19-23), Mauritius (October 28 – November 2), New Zealand (November 26-30), Niger (July 15-20), Philippines (September 10-14), Republic of Moldova (October 1-5), Rwanda (May 14-18), Serbia (October 8-12), Seychelles (March 05-09), Singapore (April 16-20), Timor Leste (November 19-23), Togo (April 16-20), Zimbabwe (February 19-23)
- **2017 (40 countries):** Australia (November 24 – December 01), Belgium (June 19-23), Benin (May 22-26), Bhutan (December 11-15), Botswana (December 03-08), Burkina Faso (December 03-08), Cameroon (September 24-29), Chad (August 7-11), Comoros (August 20-25), Finland (March 27-31), Gambia (September 24-29), Ghana (February 6-10), Guinea (April

23-28), Indonesia (November 19-24), Kenya (February 27-March 3), Kuwait (14-18 May), Lao People's Democratic Republic (February 17-24), Latvia (May 8-12), Lesotho (July 10-14), Liechtenstein (October 30 – November 03), Madagascar (July 10-14), Maldives (March 6-10), Mali (June 26-30), Mauritania (March 27-31), Mongolia (May 12-19), Myanmar (May 3-9), Nigeria (June 11-20), Oman (April 2-6), Republic of Korea (August 28- September 02), Saudi Arabia (March 12-16), Slovenia (June 5-9), South Africa (November 26 – December 01), South Sudan (October 15-20), Sri Lanka (June 19-23), Switzerland (October 30 – November 3), Thailand (June 26-30), Uganda (June 26-30), United Arab Emirates (March 19-23), *United Republic of Tanzania (Zanzibar) (April 23-28)*, Zambia (August 7-11)

- **2016 (28 countries):** Afghanistan (December 5-9), Albania (September 5-9), Armenia (August 15-19), Bahrain (September 4-8), Bangladesh (May 8-12), Belize (July 4-8), Cambodia (September 26 – October 3), Côte d'Ivoire (December 5-9), Eritrea (October 3-7), Ethiopia (February 29 – March 4), Jordan (August 28 – September 1), Kyrgyzstan (November 28 - December 2), Lebanon (July 11-15), Liberia (September 5-9), Morocco (June 20-24), Mozambique (April 18-22), Namibia (November 28 - December 2), Pakistan (April 26 - May 6), Qatar (May 29 - June 2), Senegal (November 28 - December 2), Sierra Leone (October 31 – November 4), Somalia (September 25-30), Sudan (October 9-13), Tunisia (November 28 - December 2), Turkmenistan (June 6-10), United Republic of Tanzania (February 22-26), United States of America (May 23-27), Viet Nam (November 1-6)

GHSA pilot assessments: 6 missions

- **2015:** Georgia (January 11-16), Peru (January 26-30), Portugal (April 12-17), Uganda (February 16-20), Ukraine (November 2-6), United Kingdom (June 15-19)

Next scheduled JEE mission(s): TBC

JEE in the pipeline: 11 Countries

REGION	COUNTRY	DATES*	
AFRO	Sierra Leone	2023	TBC
EMRO	Pakistan	2022	TBC
EMRO	Syria	TBC	TBC
EMRO	Yemen	2022	TBC
EURO	Azerbaijan	2022	TBC
EURO	Bosnia and Herzegovina	TBC	TBC
EURO	The Netherlands	2023	TBC
EURO	Sweden	2023	TBC
SEARO	Democratic People's Republic of Korea	TBC	TBC
WPRO	Philippines	2024	TBC
WPRO	Samoa	2022	TBC

* Provisional or confirmed dates for 2022

Status of JEE reports:

105*	Reports published
0	Reports in clearance
11	Reports under development

*NB Switzerland and Liechtenstein JEEs published as one report

Mission reports published on the WHO website: Afghanistan, Albania, Angola, Armenia, Australia, Bahrain, Bangladesh, Belgium, Benin, Bhutan, Botswana, Brunei Darussalam, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Canada, Central African Republic, Chad, Comoros, Congo, Côte d'Ivoire, Democratic Republic of Congo, Djibouti, Eritrea, Ethiopia, Federated States of Micronesia, Finland, Gabon, Gambia, Georgia, Ghana, Guinea, Guinea Bissau, Indonesia, Iraq, Japan, Jordan, Kenya, Kingdom of Eswatini, Kuwait, Kyrgyzstan, Lao's Peoples Democratic Republic, Latvia, Lebanon, Lesotho, Liberia, Libya, Lithuania, Madagascar, Malawi, Malaysia, Maldives, Mali, Marshall Islands, Mauritania, Mauritius, Moldova, Mongolia, Montenegro, Morocco, Mozambique, Myanmar, Namibia, New Zealand, Niger, Nigeria, North Macedonia, Oman, Pakistan, Palau, Philippines, Qatar, , Republic of Korea, Rwanda, Sao Tome and Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovenia, Somalia, South Africa, South Sudan, Sri Lanka, Sudan, Tajikistan, Thailand, Timor Leste, Togo, Tunisia, Turkmenistan, Uganda, United Arab Emirates, United Republic of Tanzania, United Republic of Tanzania - Zanzibar, United States of America, Swiss Confederation and the Principality of Liechtenstein, Vietnam, Zambia and Zimbabwe.

B. SIMULATION EXERCISES

For additional information on simulation exercises, please visit <https://www.who.int/emergencies/operations/simulation-exercises>

Simulation exercises completed to date¹: 192 exercises

2022 (19 exercises): Republic of Moldova (Public Health Emergency Preparedness TTX) (21 January), Iraq – Baghdad (UHPR TTX) (3 February), Iraq – Erbil (UHPR TTX) (7 February), Thailand (UHPR) (21-22 April), Burkina Faso (25-29 April), Portugal – UHPR (TTX) (2 and 4 May 2022), Tanzania (PoE FSX) (6 May), Senegal – Emergency Medical Teams (EMT) (7-14 May), Senegal (9-13 May), Moldova (Mass Casualty Management TTX)(18 May), Berlin Hub G7 Exercise (19 May), Nepal- PoE (21-23 May), Kyrgyzstan (Manas International Airport, FSX & TTX) (9-10 June), Qatar (Mass Gathering Exercise and Food Safety Exercise Programme) (17 August), Burkina Faso (12-15 September), EURO Multi-country - Risk Communication and Community Engagement (RCCE) (FSX) (3-7 October), Cameroon (TTX) (7 - 8 November), EURO Regional Functional IHR Exercise - Joint Assessment and Detection of Events (JADE) (22-24 November), **NEW** International TTX on Points of entry: contact tracing, control measures and cross-sectoral collaboration. Coordinated by European Union SHARP Joint Action (8-9 December)

- **2021 (26 exercises):** Mauritius (COVID-19 Vaccine (TTX) (25 January), Moldova (COVID-19 Vaccine (DR) (3 February), Belize (COVID-19 Vaccine (DR) (18 February), Lao PDR (COVID-19 Vaccine exercise, 25-26 Feb), Sierra Leone (Ebola readiness exercise, TTX & Drill: 22-23 March), Eswatini (COVID-19 TTX (11 March), Trinidad and Tobago (COVID-19 (DR) (11 & 26 March), Liberia (Ebola FSX) (28-30 April), Côte d'Ivoire (EVD FSX) (30 April), Ukraine (One Health TTX (2 June), Virtual Strategic Bioterrorism Table-Top Exercise (Interagency TTX, Marburg and Plague) (18th June), Guinea Bissau (EVD TTX) (9 August) , EURO Regional Rapid Response Mobile Laboratories (virtual TTX) (31 August – 2 September), EURO Regional Rapid Response Mobile Laboratories (FX) (4-7 October), Russia (Kazan) field exercise mobile laboratory (FSX) (11-15 October), Deliberate Events, UNCT (Global) (19-20 October), UAE IAEA Exercise ConvEx-3 (TTX/FX) (26-27 October), Qatar Arab Cup Mass Gathering TTX (11 November), Turkmenistan (Points of Entry COVID-19 TTX) (2 December), Turkmenistan (Hospital readiness COVID-19 TTX) (3 December), WPRO Crystal exercise (Influenza) (1-2 December), Mali (EVD, 19-21 December), Cameroon (Airport PoE Drill for the African

¹ Simulation exercises are a routine practice conducted by States Parties. The listed activities are those where WHO has provided support and/or participated in

Nations Cup, 27 December), Central African Republic (UHPR TTX) (8 December), Central African Republic (UHPR TTX) (11 December), Tanzania (National COVID-19 incident management system)(14-15 December)

- **2020 (25 exercises):** Republic of Moldova (COVID-19 management of suspected COVID-19 cases at ground crossings – TTX) (22 October), Republic of Moldova (COVID-19 management of suspected COVID-19 cases on board of aircrafts and at the airport – TTX) (22 October), North Macedonia - COVID-19 management of suspected COVID-19 cases on board of aircrafts and at the airport – TTX (25 September), North Macedonia - COVID-19 management of suspected COVID-19 cases at ground crossings – TTX (25 September), Morocco (MedipPIET-Mediterranean and Black Sea field epidemiology training programme MG TTX) (January 29), Kyrgyzstan- Kazakhstan Cross- border preparedness TTX (11-12 February), Ethiopia COVID19 SimEx (5-6 March), Tajikistan COVID-19 TTX (10-11 March), Denmark (international) healthcare facility IPC TTX (February 26), Namibia COVID19 surveillance drills and TTX (25 March -30 June, 2-3 April), Namibia COVID-19 Intensive Care Unit drill (23 May), Kenya – Regional Table-Top Exercise for 19 African countries on COVID-19 response on board an aircraft and international airport TTX (15 February and 20 February), Turkey – Nuclear Accident Response Planning (22 July), Bhutan - Table-Top Exercise on COVID-19 response (5 individual TTX in 5 Districts from June -July), Namibia - COVID-19 Coordination TTXs (single programme of 14 TTXs, 3-18 September 2020), Liberia/ Sierra Leone joint cross border test/simulation exercise at Kenema/ Bo-Waterside (October 19 – 23), Latvia (COVID-19 management of growing numbers of hospitalized patients in the face of limited hospital capacity - TTX) (19 October), Namibia IPC TTX (16 September – 09 October), WPRO Crystal Regional Exercise (9-10 December)
- **2019 (29 exercises):** Albania (Flood TTX) (July 20-23), Kyrgyzstan (May 13), Lebanon (Regional Exercise – Mass gathering) (March 28-30), Pakistan (January 30-31), Rwanda (January 8-11), Rwanda (EVD preparedness) (July 30 – August 2), Southeast Europe cross border preparedness TTX (July 11 – 12), Uganda (EVD preparedness) (11-12 April), United Republic of Tanzania & Kenya (EAC Cross border SimEx) (June 11-14), Ghana – RED Alert Field Exercise (July 18), Nigeria—Cholera (March 27-28), United Republic of Tanzania (EVD preparedness) (July 30 – August 6), Myanmar (EOC Pandemic Influenza) (August 8 – 9), South Sudan (EVD preparedness) (August 12-15), Kazakhstan Table-Top (August 27), Pakistan (mass gathering) (August 29-30), Egypt: Regional Office SimEx for IHR NFP Communication (September 23-26), Japan (G20 Health Ministers Exercise) (October 20), Cameroon (Multisectoral collaboration for zoonotic diseases) (October 28-29), Malawi (EVD Drill) (1 November), Bhutan (Airport POE exercise) (November 6-7), Inter-Agency coordination TTX (Deliberate use) (November 6-7), Azerbaijan (INSARAG SimEx) (November 4-8), South Sudan Inter-Agency SimEx (November 7), Regional Functional IHR Exercise- Joint Assessment and Detection of Events (JADE) (November 19-22), Malaysia (November), WHO Regional Office SimEx for IHR NFP (Crystal) (December 4-5), AFRO Regional PHEOC Functional Exercise (December 4-5); Timor-Leste TTX on Avian Influenza Outbreak (December 13-14)
- **2018 (32 exercises):** Argentina G20 Health Minister Exercise (October 4), Cambodia, Laos & Vietnam (April 25-27), Chad (November 29), CivMil SimEx in Portugal (November 13), Democratic Republic of Congo (EVD SimEx) (June 28), Democratic Republic of Congo (EVD SimEx) (July 25), East African Community Regional SimEx (RVF) (September 4-5), Fraport ICAO Exercise (Germany) (November 7-8), GEOCX Validate Public Health Emergency Operation Centre functions (December 4-6), INFOSAN in SEARO² and WPRO³ (November 27 & 28), Jordan (January 28-February 2), Kyrgyzstan (April 16-20), Kyrgyzstan (August 2-3), Liberia

² The ECPs and IHR-NFPs in the following nine countries participated: Bangladesh, Bhutan, India, Indonesia, Maldives, Myanmar, Nepal, Sri Lanka & Thailand.

³ The ECPs and IHR-NFPs in the following 13 countries participated: Brunei Darussalam, Cambodia, China, Hong Kong SAR (China), Japan, Lao PDR, Macau SAR (China), Malaysia, Mongolia, Philippines, Republic of Korea, Singapore & Viet Nam

(November 28), Mongolia (October 30-31), Nigeria (March 11-17), APEC Simulation exercise in Papua New Guinea (September 18-19), Rwanda (EVD SimEx) (23 May), Senegal PHEOC SimEx (May 8-9), South Sudan (EVD SimEx) (August 13-15), Tajikistan (August 10-11), Tanzania (May 14), Tanzania (EVD SimEx) (August 13-17), Thailand (January 29), United Kingdom - SimEx on Poliovirus containment (September 13-14), West Bank and Gaza Strip (March 4-9), Zimbabwe (May 22-23), Joint EURO/ECDC Exercise on poliovirus containment breach preparedness and risk communication (October 22-25), WHO EMRO Regional exercise to test preparedness the capacity to respond to imported Ebola cases (December 13), WHO EURO Regional IHR Functional Exercise - Joint Assessment and Detection of Events (JADE) (November 13-15), WHO WPRO IHR Regional Office Exercise (December 3-7)

- **2017 (30 exercises):** Armenia (October 16-17), Cambodia (November 14-23 – 3 exercises), Cameroon (September 7-15), China, Egypt (November 21), Indonesia simulation exercise orientation (July 30 – August 4), Inter-Agency Committee on Radiological and Nuclear Emergencies, Hungary (June 21-22), Inter-Agency exercise in Uzbekistan (November 23-24), G20 countries (May 19-20), GHSA countries (October 24-26), ICMM meeting (October 25-26), Indonesia (September 18-20), Inter-Agency exercise in Georgia (August 21-22), Iraq (August 19-25), Lao PDR (March & 29-30 November), Mauritania (November 16-17), Mongolia (May 1-5 & September), Pakistan (September 18-22), Turkmenistan (March 26-31 – 2 exercises), Regional exercise in Tunisia⁴ (July 11-13), SADC countries in South Africa (November 06-10), Uganda (January 25), Uganda (11 May), United Republic of Tanzania (March 30-31), Vietnam (May), WHO WPRO Regional Office exercise⁵ (December 05-06)
- **2016 (31 exercises):** Burkina Faso (May 6 & October 26-27), Cambodia (November 23), Central African Republic (May 13), Chad (May 13), Côte d'Ivoire (February 3-5 & November 30), Democratic Republic of Congo (May 5), Gambia (February 5), Ghana (September 4-9, September 12-15, October 10-14 – 4 exercises in 4 regions), Guinea (Mar 17-23 & May 23-27), Guinea-Bissau (May), Indonesia (June 27-29), Lao PDR (March 22-24), Mali (May 5), Mauritania (December 16-17 – 2 exercises), Mongolia (June, July 19-25 & Aug), WHO WPRO Regional Office exercise⁶ (December 8-9), Sierra Leone (August & September), Togo (February 10 & September 16), Turkmenistan (December 9) and Uganda (October 7)

Next scheduled exercise(s): WPRO Objective Crystal (13-14 December)

Simulation exercises in the pipeline: 4 exercises

REGION	COUNTRY	DATES	
EMRO	Kuwait-Preparatory Level Disaster Management	2022	TBC
SEARO	Regional Virtual Simulation Exercise (SimEx) linking establishment of HEOCs, EMT coordination cell and OSL for emergency response in SEARO	2022	TBC
WPRO	Lao People's Democratic Republic (TTX Measles)	2022	Q4

⁴ Participants included: Algeria, Egypt, Iraq, Jordan, Lebanon, Libya, Morocco and Tunisia

⁵ Australia, Brunei Darussalam, Cambodia, China, Cook Islands, Fiji, Federated States of Micronesia, French Polynesia, Guam, Hong Kong SAR, Japan, Lao People's Democratic Republic, Macau SAR, Malaysia, Mongolia, Nauru, Marshall Islands, New Zealand, Niue, Palau, Papua New Guinea, Philippines, Republic of Korea, Samoa, Singapore, Solomon Islands, Tokelau, Tonga, Tuvalu, Viet Nam.

⁶ Australia, Brunei Darussalam, Cambodia, China, Cook Islands, Fiji, Federated States of Micronesia, French Polynesia, Guam, Hong Kong SAR, Japan, Lao People's Democratic Republic, Macau SAR, Malaysia, Mongolia, Nauru, Marshall Islands, New Caledonia, New Zealand, Niue, Northern Mariana Islands, Palau, Philippines, Republic of Korea, Singapore, Solomon Islands, Tonga, Viet Nam.

WPRO	Exercise CRYSTAL 2022	2022	13-14 December
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**Simulation exercises are a routine practice conducted by States Parties. The listed activities are those where WHO has provided support and/or participated in.*

C. AFTER ACTION REVIEWS

For additional information on after action reviews (AARs), please visit the following page on the Strategic Partnership Portal: <https://extranet.who.int/sph/after-action-review>

AARs completed to date¹: 75 AARs

- **2022 (7 AARs):** Democratic Republic of Congo (Goma) - EVD (10-12 March); Democratic Republic of Congo (Kisangani) – Meningitis (22-25 March), Qatar – Qatar Cup/mass gathering (24 March), Cameroon (30 March – 1 April), South Sudan - Flood (17 June), Latvia – COVID-19 (27 June – 1 July), Namibia - Hepatitis E (12-15 July)
- **2021 (3 AARs):** Democratic Republic of the Congo – EVD (7-10 June), Côte d'Ivoire – EVD (1-16 September), Guinea – Ebola and Marburg (Nov 26 - Dec 1)
- **2020 (2 AARs):** South Sudan – Flood (15 July), Samoa, American Samoa, Tonga, Fiji, Kiribati – Measles (July – September 2020)
- **2019 (16 AARs):** Benin – Lassa Fever (May 27-31), Cabo Verde – Zika (February 25 – March 01), Ethiopia – Cholera (October 23-26), India – Nipah (January 14-18), Kyrgyzstan - Measles (May 15-17), Nigeria – Yellow Fever (June 17-21), Serbia – West Nile Fever (May 20-23), Senegal – Dengue Fever (June 11-15), Uganda EVD (August 28-30), Iceland – Food Borne (September 20), Sao Tome Principe – Cellulitis (September 30-October 04), Azerbaijan – Measles (October 16 – 18), Mozambique – Cyclones IDAI and Kenneth (November 4-8), Georgia – Measles (November 5-8), Zambia – Cholera (November 11-14), Myanmar – Influenza (December 5)
- **2018 (19 AARs):** Benin – Lassa Fever (July 17-20), Burkina Faso - Dengue (April 16-19), Burundi - Malaria (April 9-14), Cambodia—Methanol poisoning (July 18), Cape Verde (October 01-05), Chad - Hepatitis E (July 23-27), Iran – public health consequences of earthquake (August 18-19), Lao PDR – Flooding (December 19-20), , Liberia – Meningitis (Mar 08 – 09), Madagascar - Plague (July 2-6), Morocco - Brucellosis (January 23-26), Nigeria- Cholera (May 28-31), Nigeria – Lassa Fever (June 4-7), Nigeria – Monkey Pox (July 2-4), Nigeria – Cerebrospinal Meningitis (August 13-15), Pakistan- Dengue (May 14-16), Romania - Measles & West Nile Virus (March 12-15), Senegal -Dengue (March 5-9), Uganda - Marburg (March 5-9)
- **2017 (21 AARs):** Angola – Yellow fever (November 20-24), Benin – Lassa fever (July 10-14), Burkina Faso – Dengue (February 13-15), Cambodia – methanol poisoning (23 March), Cambodia – Trichinellosis (December 11-15), Central African Republic – Cholera (November 13-17), Iceland – Gastro intestinal illness (4 July), Laos PDR - Dengue (November), Laos PDR – Hepatitis A (25-27 December), Maldives - H1N1, Mauritania – Crimean Congo haemorrhagic fever (September 18-22), Mozambique – Cholera (July 24-28), Myanmar – H1N1 (October 15), Namibia - Crimean Congo haemorrhagic fever (December 11-15), Netherlands – Polio (11 July), Niger – Rift Valley fever (November 20-24), Nigeria – Lassa fever (August 21-22), Sierra Leone – Landslide (September), Togo – Lassa fever and Meningitis (October 24-27), United Republic of Tanzania – Cholera (August 14-18), Viet Nam – Dengue (September-October)
- **2016 (7 AARs):** Cambodia - foodborne disease outbreak (15 March), Cambodia – Avian Influenza H5N1 (8 July), Lao PDR - Avian Influenza H5N1 (26-27 October), Lao PDR – cVDPV (25-29 Jan, 23 May-10 June and 15-19 August), Viet Nam – Zika Virus Disease (14 December)

Next scheduled AAR: TBC

After Action Reviews in the pipeline: 7 AARs

REGION	COUNTRY	EVENT	DATES	
AFRO	Comoros	Cyclone IDAI	2022	TBC
AFRO	Ghana	Marburg	2022	TBC
AFRO	Lesotho	Measles	2022	TBC
AFRO	Niger	Cholera	2022	TBC
AFRO	South Sudan	Yellow Fever	2022	TBC
EMRO	Pakistan	HIV	2022	TBC
SEARO	India	CCHF	2022	TBC

**After Action Reviews are routine practice conducted by States Parties. The listed activities are those where WHO has provided support and/or participated in.*

ONE HEALTH

A. HUMAN-ANIMAL INTERFACE: THE IHR-PVS NATIONAL BRIDGING WORKSHOPS

The IHR-PVS National Bridging Workshops (NBWs) bring together national representatives of the animal and human health services to share the outcomes of their respective assessment frameworks, conduct a self-evaluation of the coordination between the sectors and develop a road-map of corrective measures to strengthen their collaboration and coordination at the human-animal interface.

IHR-PVS Bridging Workshops completed to date: 44 NBWs

- **2022 (8 NBWs):** Mongolia (15-17 June), Gabon (22 – 24 June), Congo (28 – 30 June), Thailand (20-22 July), Philippines (23-25 August), Bahrain (4-6 October), Zambia (19-21 October), Ghana (22-24 November)
- **2021 (4 NBWs):** The Gambia (February 2-4), Côte d'Ivoire (23-25 March 2021), Cameroon (10 – 12 August), Kenya (16-19 November)
- **2020 (1 NBW):** Mali (February 19-21)
- **2019 (11 NBWs):** Armenia (May 15-17), Bangladesh (February 26-28), Benin (May 15-17), Moldova (June 26-28), Niger (April 16-19), Myanmar (September 9-12), North Macedonia (September 11-13), Serbia (October 30-November 1), Belize (November 19-21), Nigeria (December 9-11), Georgia (December 10-12)
- **2018 (11 NBWs):** Albania (December 5-7), Bhutan (March 12-15), Chad (October 30 – November 1), Ethiopia (May 29-31), Guinea (July 17-19), Kazakhstan (November 21-23), Kyrgyzstan (October 2-4), Liberia (November 26-30), Mauritania (December 18-20), Morocco (January 22-26), Sierra Leone (July 31 - August 2)
- **2017 (6 NBWs):** Indonesia (August 21-24), Jordan (October 30-31), Pakistan (May 9-11), Senegal (November 14-16), Uganda (September 25-27), United Republic of Tanzania (October 16-18)
- **NBW pilots (3 NBWs):** Azerbaijan (2013, March 13-14), Costa Rica (2016, March 8-10), Thailand (2014, March 26-27)

Next scheduled IHR-PVS National Bridging Workshop: TBC

IHR-PVS Bridging Workshops in the pipeline: 7 NBWs

REGION	COUNTRY	DATES	
EURO	Tajikistan	2022	TBC
EURO	Ukraine	2022	TBC
EURO	Uzbekistan	2022	TBC
SEARO	Sri Lanka	2022	TBC
WPRO	Cambodia	2022	TBC
WPRO	Lao PDR	2023	TBC
WPRO	Papua New Guinea	2024	TBC

B. TRIPARTITE OPERATIONAL TOOLS: JOINT RISK ASSESSMENT; MULTISECTORAL, ONE HEALTH, COORDINATION MECHANISM; SURVEILLANCE AND INFORMATION SHARING

In 2019, the Tripartite (FAO, OIE and WHO), launched the Tripartite Zoonoses Guide (TZG) to provide guidance and best practices for addressing zoonotic diseases in countries. Three operational tools are available (or in development) and can be used independently or in coordinated efforts to support national capacity for zoonotic disease preparedness and response. The Joint Risk Assessment (JRA OT) is published and available for national workshops. Two additional tools are in development and include the Multisectoral, One Health, Coordination Mechanism (MCM OT) and Surveillance and Information Sharing (SIS OT). More information on the TZG and OTs are available on the [website](#).

JRA workshops completed to date*: 37 JRAs

- **2022 (3 workshops):** Jordan (7-10 March); Qatar (26-28 March), UAE (27-30 July)
- **2021 (14 workshops):** Democratic Republic of Congo (19-22 January), Nigeria (8- 10 March), Ethiopia (2-6 March), Thailand (23-26 March), Liberia (29-31 March), Cameroon (29-31 March), South Sudan (3-7 May), Kenya (2-4 June), Sierra Leone (26-29 July), Nigeria subnational (9-11 August), Cameroon (16-20 August), Sudan (28-31 August), Senegal (September), Guinea (23-26 November)
- **2020 (5 workshops):** Tunisia TOT for North African Countries (28-30 January), Egypt TOT (1-5 October), Indonesia (30 November – 18 December), Zanzibar (14-17 December), Senegal (15-18 December)
- **2019 (14 pilots):** Viet Nam (February 20-22), Panama (February 25- March 01), United Republic of Tanzania (March 25-29), Pakistan (April 15-18), Senegal (May 7-10), Georgia (July 2-5), Ethiopia (July 17-19), Ghana (July 23-26), Rwanda (30 July – 2 Aug), Kenya (13 – 16 August), Afghanistan (August 25-28), Cote d'Ivoire (November 11-14), Cameroon (November 19 – 22), Uganda (December 2-6)
- **2018 (1 pilot):** Indonesia (March 13-16)

Next scheduled JRA workshop: TBC

Workshops in the pipeline: 10 JRAs

REGION	COUNTRY	DATES	
AFRO	Benin	2022	TBC
AFRO	Burkina Faso	2022	TBC
AFRO	Chad	2022	TBC
AFRO	Mali	2022	TBC

AFRO	Mauritania	2022	TBC
AFRO	Niger	2022	TBC
AFRO	Zambia	2022	TBC
EMRO	Iran	2022	TBC
EMRO	Kingdom of Saudi Arabia	2022	TBC
WPRO	Viet Nam	2022	TBC

**The listed countries are those for which the WHO, FAO, and/or OIE has provided financial or technical support to the activity.*

MCM OT pilot workshops completed to date: 5 MCM OT pilots

- **2022 (4 pilot workshops):** Kenya (1-4 March), Armenia (4-6 May), The Gambia (9-13 May), Iraq (4-7 July)
- **2021 (1 pilot workshop):** Kazakhstan (27-29 October)

Next scheduled MCM OT pilot workshop: TBC

MCM OT pilot workshops in the pipeline: 4 MCM OT pilots

REGION	COUNTRY	DATES	
EMRO	Somalia	2022	TBC
EURO	Azerbaijan	2023	TBC
EURO	Bulgaria	2023	TBC
EURO	Ukraine	2023	TBC

SIS OT pilot workshops completed to date: 4 SIS OT pilots

- **2022 (3 pilot workshops):** Jordan (30 Jan – 1 Feb), Uganda (7-10 Feb), Romania (19-22 July)
- **2021 (1 pilot workshop):** Indonesia (4-8 October)

Next scheduled SIS OT pilot workshop: TBC

SIS OT pilot workshops in the pipeline: 0 SIS OT pilots

REGION	COUNTRY	DATES
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RISK PROFILING

Strategic Risk Assessments are undertaken before an event occurs. A strategic risk assessment is used to guide risk-informed programming that will catalyse action to prevent, prepare for, and reduce the level of risk associated with a particular hazard and its consequences on health. Actions that stem from a strategic risk assessment can include the prioritisation of limited resources, in-depth capacity and vulnerability assessments, development of emergency response and contingency plans, and the implementation of preparedness and risk mitigation activities.

The WHO Strategic Toolkit for Assessing Risks (STAR) has been published and is available at the following link <https://www.who.int/publications/i/item/9789240036086>.

The STAR toolkit supports countries in identifying all-hazard preparedness and disaster risks. STAR also facilitates the development of robust policies, strategies and plans to address the vulnerabilities that countries can face in terms of health emergencies and disasters.

Risk analyses done or risk profiling workshops completed to date: 88 workshops

- **2022 (12 workshops)** Ghana (23-25 February), Yemen (3-7 March), Sudan (14-17 March), Qatar (17-21 April), Sierra Leone (9-13 May), North Macedonia (16-18 May), Mozambique (30 May- 3 June), South Africa (18-22 July), Nigeria (27 June – 1 July), Madagascar (18-22 July), Zambia (26-29 July), Afghanistan (11-16 September)
- **2021 (12 workshops):** Benin (1 March – 5 March), Burkina Faso, (22-26 March), Georgia (11-12 May), Bangladesh (Virtual – 18-25 May), Lesotho (24-28 May), Mauritania (23-27 May), Togo (14-18 June), Angola (12-17 July), Somalia (11-17 July), Sao Tome and Principe (13-17 September), South Sudan (4-8 October), Namibia (25-29 October)
- **2020 (2 workshops):** Malawi (20-22 February), Serbia (25-27 February),
- **2019 (15 workshops):** Armenia (April 4-5), Azerbaijan (April 29-30), Georgia (March 14-15), Namibia (June 10-14), Ukraine (July 9-10), Eritrea (22-29 June), Niger (September 9 – 13), Albania (September 10-12), Gabon (September 23-27), Republic of Moldova (sub-national level) (September 30 – October 4), Kosovo¹ (October 23 – 25), Kazakhstan (November 12-14), Jordan (December 8-10), Sweden (November 25-26), Botswana (November 18-22)
- **2018 (19 workshops):** Bahrain (February 27-29), Burundi (October 29 – November 2), Iran (August 15-16), Kenya (October 22-26), Kingdom of Eswatini (December 5-9), Kuwait (September 26-27), Kyrgyzstan (July 02-06), Eastern Mediterranean WHO Risk Profile (February 27-28), Lesotho (May 28-June 1), Liberia (November 11-17), Republic of Moldova (December 13-14), Morocco (November 11-14), Nigeria Public Health Risk Assessment (February), Nigeria (July 9-13), Somalia (August 29-30), Sudan (August 15-16), Tunisia (September 20-21), United Republic of Tanzania (Zanzibar) (August 13-17), Zambia (May 21-25)
- **2017 (7 workshops):** Benin (October 11-14), Cape Verde (June 26-30), Comoros (July 24-28), Côte d'Ivoire (May 22-25), Guinea (October 30 – November 03), Mozambique (October 23-27), South Sudan (July 2-6)
- **2016 (21 workshops):** Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d'Ivoire, Democratic Republic of Congo, Ethiopia, Gambia, Ghana, Guinea Bissau, Liberia, Malawi, Mali, Mauritania, Niger, Senegal, Sierra Leone, Togo, Uganda, United Republic of Tanzania

Next scheduled workshop(s): Congo (Dec 12-16)

Risk profiling workshops in the pipeline: 12 workshops

REGION	COUNTRY	DATES	
AFRO	Algeria	TBC	TBC
AFRO	Congo	2022	Dec 12 – 16
AFRO	Eswatini	2022	TBD
AFRO	Ethiopia (subnational)	2022	TBC
AFRO	Madagascar (subnational)	2022	TBC
AFRO	Mauritius	2022	TBC
AFRO	Rwanda	TBC	TBC
AFRO	United Republic of Tanzania	2022	TBC

EURO	Bosnia and Herzegovina	2022	TBC
EURO	North Macedonia (subnational)	2022	TBC
EURO	Kyrgyzstan	2022	Q4
EURO	Uzbekistan	2022	TBC

¹All references to Kosovo in this document should be understood to be in the context of United Nations Security Council Resolution 1244 (1999).

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