

IHR COUNTRY CAPACITY ASSESSMENT, MONITORING, EVALUATION AND PLANNING UPDATE

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

IHR States Parties Self-Assessment Annual reporting 2020 (SPAR)

As of the 20 July 2021, 174 countries have reported to the WHO on their capacities required under the International Health Regulations (2005) (IHR) for the 2020 SPAR reporting period. This information is used for annual IHR Report to inform the World Health Assembly (WHA), the data from countries reporting using the SPAR tool has now been published on the e-SPAR website (<https://extranet.who.int/e-spar>). Arabic version and full data details for IHR Annual Report for period 2010-17 of e-SPAR was published on 1st July 2021.

World Health Organization		e-SPAR		IHR States Parties Annual Reporting global submission status per year 2020 (Updated on 20-07-2021)			
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	29	6	0	83	17	0
EMRO	21	19	2	0	90	10	0
EURO	55	47	8	0	85	15	0
SEARO	11	11	0	0	100	0	0
WPRO	27	21	6	0	78	22	0
All Regions	196	174	22	0	89	11	0

With the exceptional circumstances due to the COVID-19 pandemic, WHO developed a supplemental questionnaire to capture the experiences of countries during the COVID-19 pandemic, in order to support national preparedness strengthening and managing the ongoing pandemic and recovery.

Of the 196 IHR States Parties, 110 States Parties completed and returned this survey, as of 11 June 2021. Analysis of the data is ongoing.

Detailed information can be found on the e-SPAR platform (<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: 106 IARs (conducted by 69 countries)

- 2021 (56 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 (13-14th 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), 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* (25 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), 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 2021), Sierra Leone* (21-23 September), Burkina Faso* (27-30 September), El Salvador* (20-28 September), Kosovo¹ (5-8 October), Bolivia* (6-8 October), Mauritania* (11-14 October), Kenya* (18-22 October), Zimbabwe* (18-24 October), North Macedonia (2-5 November), Chad (17-19 November), **NEW** Indonesia* (1-12 November), **NEW** Guinea* (22-24 November)
- 2020 (50 IARs):** Brazil (State of Minas Gerais) (17-21 June), Ethiopia (July 14 – August 25 and September 1 – 30), Mauritius (30 Jun – 06 Aug), Niger (September 28 – October 09), 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 (August 28 – September 23), Namibia (28 September and October 27 – 28), 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 2020), Lao PDR (21-22 October), New Zealand (29 May), 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 Dec), Mozambique (1-19 Oct), Burkina Faso (30 November – December 4), Bangladesh (14-21 December), Afghanistan (20-25 Sept), Pakistan (14-24 Oct), Tunisia (15-20 Nov), Lebanon (7-11 Dec), South Africa (Eastern Cape) (29-30 Sep), South Africa (North West) (18 Sept), South Africa (KwaZulu-Natal) (1 -3 Sept), South Africa (Gauteng) (1-2 Oct), South Africa (Northern Cape) (21-22 Oct), South Africa (Free State) (28 Sep-2 Oct), South Africa (Limpopo) (26-27 Oct), South Africa (Mpumalanga) (21-24 Aug), India (Gujarat) (December), Syria (July), Syria (December)

Next scheduled Country COVID-19 IAR: TBC

Country COVID-19 IARs in the pipeline: 29 IARs

REGION	COUNTRY	EVENT	DATES	
AFRO	Angola	COVID-19 (vaccination)	2021	TBC
AFRO	Central African Republic	COVID-19	2021	TBC
AFRO	Côte d'Ivoire	COVID-19	2021	TBC
AFRO	Lesotho	COVID-19 (vaccination)	2021	TBC
AFRO	Malawi	COVID-19 (vaccination)	2021	TBC
AFRO	Mauritius	COVID-19 (vaccination)	2021	TBC

AFRO	Namibia	COVID-19 (Vaccination)	2021	TBD
AFRO	Rwanda	COVID-19 (vaccination)	2021	TBC
AFRO	South Africa	COVID-19 (Vaccination)	2021	TBC
AFRO	South Africa (Gauteng province)	COVID-19	2021	TBC
AFRO	Tanzania	COVID-19 (Vaccination)	2021	TBC
AMRO	Ecuador	COVID-19 (Vaccination)	2021	TBC
EMRO	Jordan	COVID-19	2021	TBC
EMRO	Lebanon	COVID-19 (Vaccination)	2022	TBC
EMRO	Morocco	COVID-19 (Vaccination)	2021	TBC
EMRO	Oman	COVID-19	2021	TBC
EMRO	Sudan	COVID-19	2021	TBC
EMRO	Tunisia	COVID-19	2021	TBC
EURO	Albania	COVID-19 (Vaccination)	2021	TBC
EURO	Azerbaijan	COVID-19	2021	TBC
EURO	Georgia	COVID-19	2021	TBC
SEARO	Maldives	COVID-19	2021	TBC
SEARO	Myanmar	COVID-19	2021	TBC
SEARO	Nepal	COVID-19 (Vaccination)	2021	TBC
SEARO	Sri Lanka	COVID-19	2021	TBC
SEARO	Timor-Leste	COVID-19	2021	TBC
WPRO	Lao PDR	COVID-19 (Vaccination)	2021	TBC
WPRO	New Zealand	COVID-19	2021	TBC
WPRO	Papua New Guinea	COVID-19	2021	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

For information on National Action Plan for Health Security (NAPHS), please visit the following web page on the Strategic Partnership Portal for IHR and Health Security:

<https://extranet.who.int/sph/country-planning>.

NAPHS guidance and resources can be found at: <https://www.who.int/ihr/procedures/health-security-national-action-plan/en/>.

Completed NAPHS are available at: <https://extranet.who.int/sph/publications>.

National planning completed to date: 73 workshops

- **2021 (4 workshops):** Central African Republic, (23-26 March), Gabon (6-10 September), Gambia (18-22 October), **NEW** Angola (15-19 November)
- **2020 (3 workshops):** Malawi (17-19 February), Botswana (16-20 March), Mali (09 – 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): Guinea Bissau (13-17 December)

National planning ongoing and in the pipeline: 12 countries

REGION	COUNTRY	DATES*		STATUS
AFRO	Congo, Republic of	2021	TBC	Ongoing
AFRO	Guinea Bissau	2021	13-17 December	Ongoing
AFRO	Seychelles	2022	TBC	Ongoing
AFRO	South Africa	2022	TBC	Ongoing
AFRO	Togo	2022	TBC	Ongoing
EURO	Montenegro	2022	TBC	Ongoing
EURO	Turkmenistan	2022	TBC	Ongoing
EMRO	Syria	2022	TBC	Ongoing
SEARO	India	2022	TBC	Ongoing
WPRO	Marshall Islands	2022	TBC	Ongoing
WPRO	Palau	2022	TBC	Ongoing
WPRO	Papua New Guinea	2022	TBC	Ongoing

*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: <https://extranet.who.int/sph/ihr-monitoring-evaluation>

JEE Tool and Resources are available at: <http://www.who.int/ihr/procedures/joint-external-evaluations/en/>

JEE Reports can be found at: <http://www.who.int/ihr/procedures/mission-reports/en/>

JEEs completed to date: 113 Countries

- **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 (20-25 October), 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): Ukraine (November 29-December 3)

JEE in the pipeline: 12 Countries

REGION	COUNTRY	DATES*	
AFRO	Algeria	2021	TBC
EMRO	Syria	TBC	TBC
EMRO	Yemen	TBC	TBC
EURO	Azerbaijan	2022	TBC
EURO	Bosnia and Herzegovina	TBC	TBC
EURO	The Netherlands	2022	TBC
EURO	Sweden	2022	TBC
EURO	Ukraine	2021	November 29 – December 3
EURO	Uzbekistan	2021	December 13-17
SEARO	Democratic People's Republic of Korea	TBC	TBC
SEARO	Nepal	TBC	TBC
WPRO	Papua New Guinea	TBC	TBC

* Provisional or confirmed dates for 2021

Status of JEE reports:

104	Reports published
0	Reports in clearance
7	Reports under development

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/ihr/procedures/simulation-exercise/en/>

Simulation exercises completed to date¹: 165 exercises

- **2021 (18 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), UEA IAEA Exercise ConvEx-3 (TTX/FX) (26-27 October), Qatar Arab Cup Mass Gathering TTX (11 November)
- **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 Jendema/ Bo-Waterside (October 19 – 23), Latvia (COVID-19 management of growing numbers of hospitalized patients in the face of limited hospital

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

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 (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),

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

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

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): Crystal Regional Exercise (1- 2 December)

Simulation exercises in the pipeline: 12 exercises

REGION	COUNTRY	DATES	
AFRO	Mali	2021	TBC
AFRO	Uganda & South Sudan (EAC cross border FSX)	2022	March TBC
EMRO	Kuwait-Preparatory Level Disaster Management	2021	TBC
EMRO	Qatar, Mass Gathering Exercise and Food Safety Exercise Programme	2022	Q2/Q3 TBC
EMRO	REACT Chem Ex	2022	Q1
EURO	NEW Turkmenistan (Points of Entry TTX)	2021	2 December
EURO	NEW Turkmenistan (Hospital readiness TTX)	2021	3 December
SEARO	Regional Virtual Simulation Exercise (SimEx) linking establishment of HEOCs, EMT coordination cell and OSL for emergency response in SEARO	2021	TBC
WPRO	Lao People's Democratic Republic	2021	December TBC
WPRO	Crystal Regional Exercise	2021	1- 2 December
WPRO	Kuala Lumpur (Regional SimEx)	2021	November
HQ	Biorisk Exercise CAPSTONE (BRWG Activity 4), Functional Exercise in collaboration with UNODA	2022	Q1

**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

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.

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: 67 AARs

- **2021 (2 AARs):** Democratic Republic of the Congo – EVD (7-10 June), Côte d’Ivoire – EVD (1-16 September)
- **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: Guinea (26 November – 1 December)

After Action Reviews in the pipeline: 7 AARs

REGION	COUNTRY	EVENT	DATES	
AFRO	Comoros	Cyclone IDAI	2021	TBC
AFRO	Guinea	EVD, Yellow Fever and Marburg	2021	26 November – 1 December
AFRO	Lesotho	Measles	2021	TBC
AFRO	Niger	Cholera	2021	TBC
AFRO	South Sudan	Yellow Fever	2021	TBC
EMRO	Pakistan	HIV	2021	TBC

SEARO	India	CCHF	2021	TBC
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**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: 36 NBWs

- **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: 6 NBWs

REGION	COUNTRY	DATES	
AFRO	Ghana	2021	TBC
EURO	Tajikistan	2021	TBC
EURO	Uzbekistan	2021	TBC
SEARO	Sri Lanka	2021	TBC
SEARO	Timor-Leste	2021	TBC
WPRO	Philippines	2021	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*: 32 JRAs

- **2021 (12 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)
- **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: 11 JRAs

REGION	COUNTRY	DATES	
AFRO	Benin	2021	TBC
AFRO	Burkina Faso	2021	TBC
AFRO	Chad	2021	TBC
AFRO	Guinea	2021	TBC
AFRO	Mali	2021	TBC
AFRO	Mauritania	2021	TBC
AFRO	Niger	2021	TBC
AFRO	Zambia	2021	TBC
EMRO	Iran	2021	TBC
EMRO	Kingdom of Saudi Arabia	2021	TBC
EMRO	UAE	2021	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: 1 MCM OT pilot

2021 (1 pilot workshop): Kazakhstan (27-29 October)

Next scheduled MCM OT pilot workshop: Kenya January 2022 TBC

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

REGION	COUNTRY	DATES	
AFRO	Kenya	2022	January TBC
EURO	Azerbaijan	2022	TBC
EURO	Bulgaria	2022	TBC
EURO	Ukraine	2022	February TBC

SIS OT pilot workshops completed to date: 1 SIS OT pilot

2021 (1 pilot workshop): Indonesia (4-8 October)

Next scheduled SIS OT pilot workshop: Jordan (January 2022 TBC)

SIS OT pilot workshops in the pipeline: 3 SIS OT pilots

REGION	COUNTRY	DATES	
AFRO	Uganda	2021	TBC
EMRO	Jordan	2022	January TBC
EURO	Romania	2021	TBC

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 purpose of the Strategic Tool for Assessing Risks (STAR) is to engage multisectoral stakeholders around a risk assessment developed for health sector planning; to provide a systematic, transparent and evidence-based approach to identify and classify priority hazards by level of risk and; for each hazard, to define the level of national preparedness and readiness required to mitigate health consequences.

Risk analyses done or risk profiling workshops completed to date: 74 workshops

- **2021 (10 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)
- **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): TBC

Risk profiling workshops in the pipeline: 5 workshops

REGION	COUNTRY	DATES	
AFRO	Algeria	TBC	TBC
AFRO	Rwanda	TBC	TBC
AFRO	Zimbabwe	TBC	TBC
EURO	Bosnia and Herzegovina	2021	TBC
EURO	Uzbekistan	2021	TBC

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

WHO would like to acknowledge the active participation of national experts from volunteering countries, the members of the international roster of experts, and the invaluable partnerships with governments including the governments of Finland, Germany, The United Kingdom and the United States; with other Intergovernmental organizations, particularly the Food and Agriculture Organization of the United Nations (FAO), the World Organisation for Animal Health (OIE) and the International Civil Aviation Organization (ICAO); many public health institutions such as the US Centers for Disease Control (CDC), the European CDC and Public Health England; private entities such as the Bill and Melinda Gates Foundation, Resolve to Save Lives and many other partners, including the members of the Global Health Security Agenda and of the JEE Alliance. WHO would like to acknowledge the continuing support and commitment of all of these to the implementation and principles of the International Health Regulations (2005).