# WHO consultation to adapt influenza sentinel surveillance systems to include COVID-19 virological surveillance

Virtual meeting

6 – 8 October 2020



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ISBN 978-92-4-005042-6 (electronic version)

ISBN 978-92-4-005043-3 (print version)

This publication was originally published under WHO reference number WHO/WHE/GIH/GIP/2021.1.

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Cataloguing-in-Publication (CIP) data. CIP data are available at <a href="http://apps.who.int/iris.">http://apps.who.int/iris.</a>

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#### Acknowledgements

WHO wishes to acknowledge the experts and country representatives who contributed to the development of Maintaining surveillance of influenza and monitoring SARS-CoV-2 – adapting Global Influenza surveillance and Response System (GISRS) and sentinel systems during the COVID-19 pandemic: Interim guidance<sup>1</sup> before, during and after the WHO consultation to adapt influenza sentinel surveillance systems for including COVID-19 held virtually from 6 to 8 October 2020.

Contribution is acknowledged from experts of the influenza/SARS-CoV-2 interface working groups. Experts of case definitions group include Luzhao Feng, Siri Hague, Jean-Michel Heraud, Gianfranco Spiteri, Sheena Sullivan, and Weigong Zhou. Experts of epidemiology considerations group include Cornelia Adlhoch, Yuzo Arima, Imad Cherkaoui, Cheryl Cohen, and Sonja Olsen. Experts of laboratory considerations group include Ian Barr, Eeva Broberg, Rodrigo Fasce, Erik Karlsson, Rebecca Kondor, Angeliki Melidou, Catherine Thompson, Dominic NC Tsang, Sylvie van der Werf, Xiyan Xu, and Thedi Ziegler.

Acknowledgements go to the following experts and institutions that contributed data in the pre-consultation workshop: Departamento de Epidemiología, de la División de Planificación Sanitaria del Ministerio de Salud de Chile, Hospitales Centinelas para la vigilancia de IRAG y el Instituto de Salud Pública, Chile; Ministerio de Salud de Costa Rica, INCIENSA, CCSS, Costa Rica; Ministerio de Salud Pública de Paraguay; Sibongile Walaza, Centre for Respiratory Diseases and Meningitis, National Institute for Communicable Diseases of the National Health Laboratory Service, South Africa; Andrew Hayward, Institute of Epidemiology and Health Care, University College London, United Kingdom; Thulani Ashcroft, Emma Gillette, Durga Kulkarni, and You Li, Usher Institute, University of Edinburgh, United Kingdom; Scott A. Nabity, Centers for Disease Control and Prevention, United States of America.

Special thanks to the consultation chair, Rahman Mahmudur, and co-chairs, Ian Barr and Cheryl Cohen; to Thedi Ziegler and Shoshanna Goldin who served as meeting rapporteur and to all presenters and discussion leads.

The following WHO staff and consultants are gratefully acknowledged for their support in the preparation of the consultation and contributions to the development and finalization of the interim guidance: Abdinasir Abubakar, Maya Allan, Tomas John Allen, Amal Barakat, Silvia Bertagnolio, Hitesh Chugh, Paula Couto, Vanessa Cozza, Janet Diaz, Hien Doan, Amgad A. Elkholy, Julia Fitzner, Aspen Hammond, Siddhivinayak Shriram Hirve, Belinda L. Herring, Francis Inbanathan, Jorge Jara, Kazunobu Kojima, Frank Konings, Henry Laurenson-Schafer, Sandra Jackson, Juliana Leite, Maja Lievre, Bikram Maharjan, Awandha Mamahit, Marie-jo Medina, Ann Moen, Piers Andrew Nicholas Mook, Karen Nahapetyan, Richard Pebody, Dmitriy Pereyaslov, Anne Perrocheau, Angel Rodriguez, Magdi Samaan, Soe Thwin, Katelijn A.H. Vandemaele, Andrea Vicari, Karin Von Eije, Pushpa Wijesinghe, and Wenqing Zhang.

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<sup>&</sup>lt;sup>1</sup> World Health Organization. (2020). Maintaining surveillance of influenza and monitoring SARS-CoV-2: adapting Global Influenza Surveillance and Response System (GISRS) and sentinel systems during the COVID-19 pandemic: interim guidance, 8 November 2020. World Health Organization.

## Abbreviations and acronyms

ARI	Acute respiratory infection
COVID-19	Coronavirus disease 2019
EQAP	External quality assessment project
GIP	Global Influenza Programme
GISRS	Global Influenza Surveillance and Response System
GISAID	Global Initiative on Sharing All Influenza Data
ICD	International Statistical Classification of Diseases and Related Health
	Problems
ILI	Influenza-like illness
IRR	International reagent resource
PCR	Polymerase chain reaction
NIC	National Influenza Centres
SARI	Severe acute respiratory infection
SARS-CoV-2	Severe acute respiratory syndrome coronavirus 2
US CDC	United States Centers for Disease Control and Prevention
WHO	World Health Organization
WHO CC	WHO Collaborating Centre for reference and research on influenza

#### **Executive summary**

Sentinel surveillance for influenza and COVID-19 is a resource-effective approach to gathering critical information about both viral infections in patients seeking medical attention and meeting influenza surveillance case definitions. The COVID-19 pandemic has reinforced the value of sentinel surveillance systems for providing timely information on epidemiologic and virus trends, detecting co-circulation of influenza and COVID-19 and evaluating the impact of these two diseases on health systems. Adaptation of influenza sentinel surveillance systems to include COVID-19 can guide national, regional and global responses to the COVID-19 pandemic and has important public health value for influenza and COVID-19 preparedness and response.

To provide guidance to countries on using existing influenza sentinel surveillance systems, WHO initiated the development of interim guidance on maintaining influenza surveillance and adapting these systems for monitoring COVID-19 in August 2020. WHO and external experts in three workstreams developed the guidance, a draft of which was then reviewed and discussed during the virtual consultation that is the subject of this report. The interim guidance, Maintaining surveillance of influenza and monitoring SARS-CoV-2 - adapting Global Influenza surveillance and Response System (GISRS) and sentinel systems during the COVID-19 pandemic: Interim guidance<sup>2</sup>, was finalized with input from the consultation, and published on WHO's website in November 2020. It is hereafter referred to as 'the interim guidance' in this report. It is intended to be piloted during the coming northern hemisphere influenza season to address the system disruptions caused by repurposing of resources, changes in health seeking behaviour and other factors that may impede timely and high-quality testing and reporting. Experiences garnered during the next six to twelve months will improve global understanding of how countries can reduce disruptions and adapt existing systems to conduct robust sentinel surveillance for influenza and COVID-19 simultaneously.

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<sup>&</sup>lt;sup>2</sup> World Health Organization. (2020). Maintaining surveillance of influenza and monitoring SARS-CoV-2: adapting Global Influenza Surveillance and Response System (GISRS) and sentinel systems during the COVID-19 pandemic: interim guidance, 8 November 2020. World Health Organization. <a href="https://apps.who.int/iris/handle/10665/336689">https://apps.who.int/iris/handle/10665/336689</a>. License: CC BY-NC-SA 3.0 IGO

#### Introduction

The Global Influenza Surveillance and Response System (GISRS) and its associated disease and virological surveillance systems constitute a well-established network for surveillance of influenza and other respiratory viruses. Since the beginning of the COVID-19 pandemic, the GISRS network has been engaged in the COVID-19 response.

- More than 90% of National Influenza Centres (NICs), WHO H5 reference laboratories and other public health laboratories under the GISRS network are testing for SARS-CoV-2.
- Syndromic and virologic information from existing influenza sentinel surveillance systems have been used in many countries to understand COVID-19 community transmission trends and inform national responses to the pandemic.
- Existing influenza reporting systems have become the primary platforms for sharing COVID-19 data to regional and global levels.
- A rapid global external quality assessment programme (EQAP) for COVID-19, conducted in mid-2020, was based on the influenza EQAP of GISRS with 164 countries (233 labs) participating in the project.
- Sharing of genetic sequence data continues to be facilitated through publicly accessible databases (such as GISAID).
- The GISRS mechanism has been used for shipping SARS-CoV-2 virus materials to WHO COVID-19 reference laboratories.

Although pairing influenza surveillance with that of SARS-CoV-2 has had indisputable benefits, it has caused a range of disruptions to influenza sentinel surveillance systems as staff, supplies, sites, and laboratories were repurposed for the COVID-19 response. A decrease in reporting of data to FLUNET and FLUID in 2020 compared to previous years has been observed. WHO, at various levels, has continued to stress the importance of continued surveillance and monitoring for the continuing influenza threat.

The virtual consultation from 6-8 October provided an opportunity for GISRS members, national influenza surveillance focal points, WHO and partners to review and discuss:

- countries' challenges in maintaining routine influenza sentinel syndromic and virologic surveillance
- countries' experiences using influenza sentinel surveillance systems for COVID-19
- opportunities and potential limitations for influenza and COVID-19 sentinel surveillance in the coming 6-12 months
- the draft interim guidance, developed in the several months before the consultation, for adapting national sentinel surveillance systems to maintain high quality influenza sentinel surveillance and incorporate COVID-19 surveillance, where possible.

The expected outcome of the consultation was to finalize and publish the interim guidance.

#### Preparatory activities before the meeting

Preparations started two months before the consultation. Three teams, each with between eight and 15 members, were tasked with drafting the interim guidance sections on 1) case

definitions for sentinel surveillance, 2) epidemiological considerations and 3) laboratory considerations. A planning group oversaw the progress of the three workstreams and the development of the meeting agenda. The work on case definitions and laboratory considerations was informed by evidence reviews. An online survey for national surveillance focal points conducted before the consultation provided information on how national influenza surveillance systems have been affected by the COVID-19 pandemic response. The information gathered from the survey contributed to the teams' discussions and the draft interim guidance. Finally, country representatives attending the consultation were invited to share their experiences, including challenges, successes and future plans by developing slide decks made available to all participants ahead of the consultation.

#### Considerations for the interim guidance

The consultation focused on the scope of the draft interim guidance, considerations for maintaining routine sentinel surveillance for influenza and for meeting selected COVID-19 surveillance objectives. General and specific epidemiological and laboratory considerations for the interim draft guidance were highlighted and discussed through presentations, panel sessions, and small breakout group discussions.

#### Scope of the interim guidance

Participants agreed that the interim guidance should cover no more than the next twelve months, considering that the COVID-19 pandemic will continue to evolve. It was agreed that the focus of this interim guidance should be on sentinel surveillance only, while acknowledging that epidemiological and virological information from non-sentinel sources often contributes significantly to influenza surveillance. With careful adaptations, influenza sentinel surveillance systems can continue to contribute to the COVID-19 response while retaining their core functions of influenza preparedness and response.

It was agreed that the final interim guidance should emphasize that the existing influenza epidemiological and virological surveillance system — and the comprehensive COVID-19 surveillance many countries are currently heavily engaged in — have different objectives; and that testing of sentinel samples for surveillance objectives is different from the testing of samples for clinical management and diagnostic purposes.

#### Maintaining routine sentinel surveillance for influenza

Assessing and addressing disruptions to routine sentinel surveillance for influenza were agreed to be priorities for GISRS and associated surveillance systems. There was positive feedback on these topics within the draft interim guidance with some suggested revisions for WHO to consider, such as:

- providing guidance on a rapid assessment of the surveillance system rather than a thorough evaluation, considering time and resource limitations
- refining the table of example disruptions and solutions to address the most commonly encountered issues
- highlighting opportunities from the COVID-19 response that can be leveraged for influenza surveillance, such as the digitalization of health information registries (e.g.

the increased use of ICD codes for surveillance) and the development of additional non-sentinel data sources such as real-time mortality monitoring.

#### COVID-19 surveillance objectives

Some of the surveillance objectives for influenza and COVID-19 are aligned. It was proposed that using existing sentinel surveillance systems would be likely to achieve or contribute to certain objectives common to influenza and COVID-19 surveillance. There was general agreement on the proposed categorization of objectives for COVID-19 surveillance, with some suggestions:

- provide additional clarity on what sentinel ARI/ILI/SARI syndromic surveillance can and cannot achieve for COVID-19 surveillance
- provide additional clarity on which COVID-19 surveillance objectives the existing sentinel systems can likely achieve and which objectives the data from sentinel surveillance (as one of several data sources) can help achieve
- include the caveat that the likelihood of meeting COVID-19 surveillance objectives depends on the COVID-19 transmission scenario in the country
- include the caveat that sentinel surveillance for COVID-19 could likely be used for early detection of community transmission but not outbreaks.

## Epidemiological considerations for maintaining influenza surveillance and meeting COVID-19 surveillance objectives

During the consultation, many countries shared their experiences on adaptations made to maintain routine influenza sentinel surveillance and incorporate the virological surveillance of COVID-19. Actions included expanding sentinel surveillance systems through the addition of new sites and changing the case definitions to include ARI surveillance during the COVID-19 pandemic period.

It was generally agreed that summarizing and presenting these important experiences in the interim guidance would be useful and practical. Additionally, countries expressed a need for guidance on how to pilot adaptation of their influenza sentinel surveillance systems to ensure high quality data and timely reporting. In particular, WHO can reinforce the importance on data quality over quantity to ensure that sentinel surveillance can capture useful information on virus trends.

Regarding case definitions for sentinel syndromic surveillance, the evidence review done prior to the consultation and presented to the wider group during the consultation, indicated that the ILI and SARI case definitions have reasonable specificity and sensitivity for sentinel surveillance conducted to monitor trends in COVID-19.

There was general agreement during the consultation that the minimum sample size considerations in the interim guidance (test a minimum of 50 sentinel samples per week but up to 150 per week if resources allow) were achievable.

#### Laboratory considerations

The laboratory considerations discussed during the consultation highlighted the value of GISRS for the COVID-19 response. Countries' regular use of real-time PCR for influenza surveillance has led to tremendous national, regional and global growth in testing experience and capacity. NICs' and other laboratories' experiences with seasonal and pandemic influenza has provided countries with a robust platform for COVID-19 national and subnational testing. This capacity is demonstrated by the fact that 96% of participating GISRS laboratories scored 100% on the first global COVID-19 EQAP conducted early in the COVID-19 pandemic.

The draft interim guidance emphasizes that real-time PCR remains the gold standard testing approach for all GISRS laboratories. Prior to the consultation, the laboratory group also reviewed current evidence on the following:

- types of specimens
- storage and transport of clinical specimens to the laboratory
- handling of clinical specimens in the laboratory.

An additional important topic during the consultation was the laboratory testing algorithm for samples obtained from syndromic sentinel surveillance. In March 2020, WHO provided countries with algorithms for influenza and SARS-CoV-2 testing<sup>3</sup> to use based on their national context. Up until the consultation, the majority of countries were testing samples sequentially, first for SARS-CoV-2 and then for influenza. In mid-2020, the United States Centers for Disease Control and Prevention (CDC) published information about a multiplex PCR assay for the simultaneous detection of influenza viruses and SARS-CoV-2. This test was developed and thoroughly validated by the CDC. While influenza and SARS-CoV-2 multiplex tests will streamline testing processes, they were not widely available for many countries to use for their surveillance systems at the time of the consultation.

Shortly before the consultation, the International Reagent Resource (IRR) anticipated making a limited number of the CDC-designed multiplex tests available to countries. They would include primers, probes, and controls but not enzymes and other ancillary reagents. Thus, the laboratory group included in the interim guidance considerations on testing sentinel specimens either in parallel for influenza and SARS-CoV-2 by performing multiplex (preferred) or in single-plex assays using the tests provided through GISRS or in-house or commercial assays. Regarding the implementation of a new assay, it was agreed that laboratories should conduct proper validation of the assay.

Participation in EQA programmes for influenza and SARS-CoV-2 was discussed as an important opportunity for countries to validate their laboratories' successful identification of both of these viruses. Laboratories need to maintain high quality standards for their

<sup>&</sup>lt;sup>3</sup>World Health Organization. (2020). Operational considerations for COVID-19 surveillance using GISRS: interim guidance, 26 March 2020. World Health Organization.

https://apps.who.int/iris/rest/bitstreams/1273099/retrieve. Licence: CC BY-NC-SA 3.0 IGO

<sup>&</sup>lt;sup>4</sup> United States of America Centers for Disease Control and Prevention (US CDC) Influenza SARS-CoV-2 Multiplex Assay and Required Supplies. Available at: <a href="https://www.cdc.gov/coronavirus/2019-ncov/lab/multiplex.html">https://www.cdc.gov/coronavirus/2019-ncov/lab/multiplex.html</a>

supplies and testing practices even though the COVID-19 pandemic has led to shortages of resources for testing, limited staff capacity and shipping challenges.

The participants recommended that the final interim guidance clearly include the potential for the monitoring of co-infections of influenza and SARS-CoV-2 in testing algorithms and reporting processes. This information could be useful to report to WHO for an improved global understanding of co-infection rates.

It was also agreed that the interim guidance should emphasize e the importance of confirmatory tests for SARS-CoV-2 when possible using different PCR gene targets or a second sample from the patient, especially when circulation of SARS-CoV-2 is low.

Weekly reporting of influenza and SARS-CoV-2 results supports national, regional, and global preparedness and response, and participants agreed it is an important aspect of virological surveillance that should be clearly addressed in the interim guidance. Influenza reporting, virus sub-typing and lineage determination are key to understanding the landscape of circulating viruses and for maintaining vigilance in the identification of influenza viruses with pandemic potential.

#### Other considerations

Engagement with policy makers was considered critical for successful adaptation of sentinel surveillance systems. It was agreed that the interim guidance has the potential to enhance policy makers' appreciation for the value of influenza sentinel surveillance systems for the COVID-19 pandemic as well as for influenza epidemic and pandemic preparedness.

#### Supplementary activities

The participants recommended that WHO offer additional support to countries through the following approaches.

- WHO should collect country experiences and lessons learned from sentinel surveillance system challenges and successes during the COVID-19 pandemic. The collated best practices could be summarized and shared as case studies for countries and the global community. These examples would be useful in illustrating how case definitions have been adapted, how countries have made their system more flexible and how they have approached the expansion of case definitions, if applicable. This pooling of experiences will also provide WHO with an understanding of the impact these disruptions have had and the types of support that are needed at national, regional and global levels.
- WHO should develop a brief list of the most common causes and solutions for disruptions to national influenza sentinel surveillance systems. This list could be developed from the above-mentioned collection of country experiences and would be used by countries for timely and resource-effective assessments and rebuilding of their national influenza sentinel surveillance system.

#### **Conclusions**

Additional comments on the draft interim guidance from GISRS members, national influenza surveillance focal points, WHO colleagues across the global, regional and country levels, and partners were provided shortly after the consultation. The interim guidance was finalized, based on discussions during the consultation and during the post-consultation review, and was published on 8 November 2020<sup>5</sup>.

The interim guidance is intended to be a resource for countries looking for practical and globally standardized approaches to maintaining, strengthening and adapting high-quality influenza sentinel syndromic and virological surveillance systems that meet existing and emerging public health needs for both influenza and COVID-19.

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<sup>&</sup>lt;sup>5</sup> World Health Organization. (2020). Maintaining surveillance of influenza and monitoring SARS-CoV-2: adapting Global Influenza Surveillance and Response System (GISRS) and sentinel systems during the COVID-19 pandemic: interim guidance, 8 November 2020. World Health Organization. <a href="https://apps.who.int/iris/handle/10665/336689">https://apps.who.int/iris/handle/10665/336689</a>. License: CC BY-NC-SA 3.0 IGO

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27	Sandra Jackson	HQ/WPE/GIH/GIP
28	Kazunobu Kojima	HQ/WPE/GIH/BSI
29	Franciscus Konings	EM/RGO/DCD
30	H. Laurenson-Schaffer	HQ/WPE/GIH/GIP
31	Juliana Leite	AM/PAHO
32	Maja Lievre	HQ/WPE/GIH/GIP
33	Bikram Maharjan	HQ/WPE/GIH/GIP
34	Jaouad Mahjour	HQ/WPE/EPA
35	Awandha Mamahit	HQ/WPE/GIH/GIP
36	Marie-jo Medina	HQ/WPE/GIH/GIP
37	Ann Moen	HQ/WPE/GIH/IPR
38	Piers Mook	EU/RGO/WHE
39	Pamela Mrad	EM/ACO/LEB
40	Karen Nahapetyan	WP/RGO/WHE
41	Boris Pavlin	HQ/WRE/HIM
42	Richard Pebody	EU/RGO/WHE
43	Dmitriy Pereyaslov	HQ/WPE/GIH/GIP
44	Anne Perrocheau	HQ/WRE/HIM
45	Angel Rodriguez	AM/PAHO
46	Mohammad Sahak	EM/ACO/AFG
47	Magdi Samaan	HQ/WPE/GIH/GIP
48	Ahmed Thabit	EM/ACO/YEM
49	Soumia Triki	EM/ACO/MOR
50	Katelijn Vandemaele	HQ/WPE/GIH/GIP
51	Andrea Vicari	AM/PAHO
52	Pushpa Wijesinghe	SE/RGO/WHE
53	Wenqing Zhang	HQ/WPE/GIH/GIP

#### Annex 2: Declarations of interest

The WHO consultation to adapt influenza sentinel surveillance systems for including COVID-19 was held on 6-8 October 2020 as a virtual meeting.

In accordance with WHO policy, all WHO external participants completed the WHO form for Declaration of Interests for WHO experts before being invited to the consultation. At the start of the consultation, the interests declared were disclosed to all participants.

The interests declared by the participants were reviewed by WHO and determined not to present a conflict of interest with the objectives of the WHO consultation.

#### Annex 3: Meeting agenda



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## WHO consultation to adapt influenza sentinel surveillance systems for including COVID-19

(virtual meeting)

#### **FINAL AGENDA**

Chair: Mahmudur Rahman; Session chairs: Ian Barr, Cheryl Cohen

(Meeting room will open at 10:45 on each day for to allow participants to join in and for sound-check)

#### Day 1: 6 October 2020, 11h00 - 14h00 CET

11:00 – 11:10	Opening	Jaouad Mahjour Assistant Director-General, WHO Emergence Preparedness
11:10-11:20	Objectives and expected outcomes Disclosure of interests declared by experts Selection of chair and co-chairs	Wenqing Zhang
	Housekeeping rules	Aspen Hammond

#### Session 1: Influenza Surveillance and COVID-19 - experiences and Lessons Learnt

11:20 – 11:35	GISRS surveillance and response since day 1 of the identification of SARS-CoV-2	Wenqing Zhang
11:35 – 11:40	Q&A	
11:40 – 11:55	Surveillance objectives for COVID-19 in the upcoming influenza season	Aspen Hammond
11:55 – 12:15	Using influenza surveillance case definitions for COVID-19 – pros and cons	Siddhi Hirve
12:15 – 12:35	Q&A	
12:35 – 12:45	Health break	

#### Session 2: Maintain Influenza Surveillance and add Value to COVID-19

	Meeting the challenge during the COVID-19 pandemic:	
12:45 - 12:55 12:55 - 13:05 13:05 - 13:20	<ul> <li>experiences from South Africa</li> <li>regional response from WHO European Region</li> <li>Q&amp;A</li> </ul>	Sibongile Walaza Richard Pebody
13:20 – 14:00	Panel discussion "Implications, operational considerations for using ILI/ARI/SARI case definitions for COVID-19"	Moderator: Sheena Sullivan Panelists: Weigong Zhou, Luzhao Feng, Siri Hauge, Julia Fitzner
14:00	Close of day 1	

#### Day 2: 7 October 2020, 11h00 – 14h15 CET

13:00 – 13:20 Health Break

11:00 – 11:15 Recap of Day 1 Chair

11:15 – 11:20 Introduction to breakout sessions Aspen Hammond

Parallel session 3A: Epi surveillance aspects co-chair: Cheryl Cohen		Parallel session 3B: Laboratory aspects co-chair: Ian Barr			
11:30 – 11:55	Sentinel surveillance practices - disruptions and considerations	Cornelia Adlhoch	11:30 – 11:45	Laboratory considerations for quality influenza and SARS-CoV-2 surveillance testing – practical aspects	Erik Karlsson
11:55 – 12:10	Data analysis and interpretation	Angel Rodriguez	11:45 – 11:55	Needs, availabilities, and expectations from single and multiplex influenza+SARS-CoV-2 RT-PCR assays	Becky Kondor
12:10 – 12:50	Plenary discussion	Cheryl Cohen	11:55 – 12:05	Laboratory recommendation highlights including algorithm	lan Barr
			12:05 – 12:50	Plenary discussion	Sylvie Van der Werf
12:50 – 13:00	Introduction to break-out sessions	Aspen Hammond	12:50 – 13:00	Introduction to break-out sessions	Marie-Jo Medina

13:20- 14:15	Break-out group epi-1	Lead: Silke Buda & Kaat Vandemaele Rapporteur: Henry Laurenson-Schafer	13:20 – 14:15	Break-out discussion group lab-1	Lead: Xiyan Xu & Karen Nahapetyan Rapporteur: Sandra Jackson
	Break-out group epi-2	Lead: Sheena Sullivan & Aspen Hammond Rapporteur: Shoshana Goldin		Break-out discussion group lab-2	Lead: <i>Erik Karlsson &amp; Marie-jo Medina</i> ; Rapporteur: <i>Thedi Ziegler</i>
	Break-out group epi-3	Lead: Weigong Zhou & Julia Fitzner  Rapporteur: Vanessa Cozza		Break-out discussion group lab-3	Lead: Angeliki Melidou & Dmitriy Pereyaslov Rapporteur: Catherine Thompson
14:15	Close of day 2				

#### Day 3: 08 October 2020, 11h00 - 14h00

11:00 – 11:05 Chair's remarks Mahmudur Rahman

#### Session 4: Going forward

11:30 – 11:55       Summarizing the discussions and outputs from the laboratory session of day 2       Ian Barr         11:55 – 12:35       Plenary discussion: feasibility, practical challenges for implementing considerations to sustain sentinel surveillance systems for influenza and COVID-19       Abdinasir Abubakar         12:35 – 12:45       Health break         12:45 – 13:10       Panel discussion: Positioning GISRS in the context of COVID-19 – Country perspectives       Moderator: Andrea Vicari Panelist: Fatma Alyaquobi Daouda Coulibaly Kelly-Ann Gordon-Johnson Lyn Sovann Sylvie van der Werf         13:10 – 13:45       Plenary discussion: Way forward of GISRS influenza surveillance in the next 6-12 months       Moderator: Ann Moen         13:45 – 14:00       Summary and closing remarks       Mahmudur Rahman Wenqing Zhang         14:00       Close of meeting	11:05 - 11:30	Summarizing the discussions and outputs from the epidemiology session of day 2	Cheryl Cohen
challenges for implementing considerations to sustain sentinel surveillance systems for influenza and COVID-19  12:35 – 12:45  Health break  Panel discussion: Positioning GISRS in the context of COVID-19 – Country perspectives  Panelist: Fatma Alyaquobi Daouda Coulibaly Kelly-Ann Gordon-Johnson Lyn Sovann Sylvie van der Werf  13:10 – 13:45  Plenary discussion: Moderator: Ann Moen  Way forward of GISRS influenza surveillance in the next 6-12 months  13:45 – 14:00  Summary and closing remarks  Mahmudur Rahman Wenqing Zhang	11:30 – 11:55		Ian Barr
12:45 – 13:10       Panel discussion: Positioning GISRS in the context of COVID-19 – Country perspectives       Moderator: Andrea Vicari Panelist: Fatma Alyaquobi Daouda Coulibaly Kelly-Ann Gordon-Johnson Lyn Sovann Sylvie van der Werf         13:10 – 13:45       Plenary discussion: Way forward of GISRS influenza surveillance in the next 6-12 months       Moderator: Ann Moen         13:45 – 14:00       Summary and closing remarks       Mahmudur Rahman Wenqing Zhang	11:55 – 12:35	challenges for implementing considerations to sustain sentinel surveillance systems for influenza	Abdinasir Abubakar
context of COVID-19 – Country perspectives  Panelist: Fatma Alyaquobi Daouda Coulibaly Kelly-Ann Gordon-Johnson Lyn Sovann Sylvie van der Werf  13:10 – 13:45  Plenary discussion: Way forward of GISRS influenza surveillance in the next 6-12 months  13:45 – 14:00  Summary and closing remarks  Mahmudur Rahman Wenqing Zhang	12:35 – 12:45	Health break	
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Wenqing Zhang	13:10 – 13:45	Way forward of GISRS influenza surveillance in	Moderator: Ann Moen
14:00 Close of meeting	13:45 – 14:00	Summary and closing remarks	
	14:00	Close of meeting	

#### Annex 4: Post-consultation feedback

The results of a feedback survey shared with all participants after the consultation showed that most responders attended all three days of the meeting. Overall, the feedback was very positive. Survey responders agreed that the meeting program was logical and effective, delivered the information they expected and that the panellists' responses were thorough and helpful. Particularly helpful to the responders was hearing about other country experiences, the relevance and timeliness of the topics discussed and the high quality of session chairing and facilitation. Most agreed that the interim guidance document is very likely to help maintain sentinel syndromic surveillance for influenza and other respiratory disease in the next 6-12 months. Responders commented that there was not enough time for better quality discussions because of the virtual method used for the consultation.



