

Membership Profile Survey

A SURVEY OF COVID-END MEMBERS TO UNDERSTAND THE PROFILE OF THE MEMBERSHIP AS WELL AS THEIR KEY INTEREST AREAS

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Response Profile

Survey Response

All members registered with the JISC Listserv were sent a link to the member survey and approximately 2 weeks later, a link to the Top 5 Questions Survey. Members were reminded to complete, and new members were also included within this correspondence. A total of 277 members were sent the membership survey link and a total of 285 members were send the Top 5 Questions survey link, as new members were added as the surveys progressed. The response rate for the membership survey was 33% (91/277), which is a reasonable response for this type of survey. The participation rate for the Top 5 Questions survey was 30% (86/285), but with a complete response rate of only 35% (30/86) of those who participated in the survey. Therefore, the Top 5 Questions survey had an incompletion rate of 65%, which may be due to the fact that the survey was predominately open text fields, which often yields a lower response rate.

Respondent Profile

The respondent profile was fairly similar across both surveys. Respondents within the Membership survey were predominately from the **Academic/Research** and **Government** sectors (82%), with most respondents being based in the **WHO PAHO region** (51%) and **Canada** being 29% of the overall response. There was a slightly higher response from the NGO sector than the Government sector in the Top 5 Questions survey, but the Academic sector remained the highest with a 44% response. Respondents in both surveys indicated they were experienced to very experienced (60%-65%) within Evidence Informed Policy Making (EIPM), while a further 20%-32% of respondents indicated some experience across the two surveys. Half of all respondents listed that they had found COVID-END through a professional contact or colleague.

Assumptions

Member Profile/Representativeness

Although the response was reasonable for this type of survey, the respondent profile is likely skewed to sector, region and experience level. The assumption is two-fold.

- 1) The first assumption being that in a listserv community there are likely to be a smaller proportion of information generators compared to consumers. Those who are information generators are likely to be the more experienced and engaged members. It is assumed that the more engaged members are likely to fall within the majority sectors and experience level indicated within the member survey.
- 2) The second assumption is that marketing and communication about the listserv has been more targeted at the engaged membership that falls within the majority sectors, region and experience level indicated within the member survey.



Professional Role in EIPM

Within the Membership survey, respondents were given the option to respond to multiple categories. They were asked to indicate if their professional role for Covid-19 included: *Scoping; Summarizing; Engaging; Synthesizing; Recommending; Packaging; Sustaining;* and/or *Digitizing*. The majority indicated they were involved in **Recommending** and **Packaging**. The WHO AFRO Region had a slightly higher indication of a role in **Engaging** than Packaging. There were limited responses from the WHO Regions of SEARO, EMRO and WPRO.

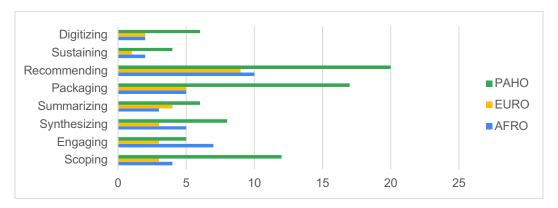


Figure 1: Role in EIPM by WHO Region (n)

Areas of Interest

Within the Membership survey respondents were given the option to respond to their top five areas of interest within the following broad categories: *Public-health measures; Clinical management; Economic and social responses; Health-system arrangements; Evidence synthesis; Horizon scanning; Priority setting; Communication;* and *Equity*. The majority indicated areas of interest predominately within **Evidence Synthesis** and **Public-Health Measures**. **Economic and Social Responses** had a higher rate of response in AFRO. **Horizon Scanning** was of more interest in EURO comparatively. There were limited responses from the WHO Regions of SEARO, EMRO and WPRO.

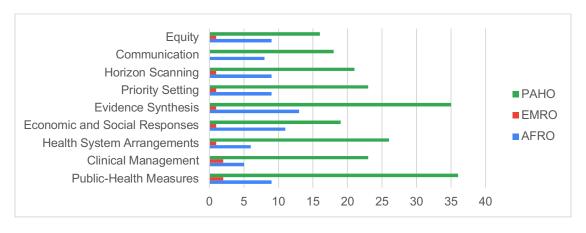


Figure 2: Area of Interest by WHO Region (n)



Top 5 Questions

Respondents were asked to state the Top 5 Questions they had for both the next 12-month period, as well as the next 24-month period in regards to COVID-19. Data was collected from 30 respondents and coded initially using the broad areas of interest stated above in Figure 2. Sub-coding was applied based initially on the categories discussed within the COVID-END Horizon Scanning Working Group, and additional sub-codes were applied as required based on the emerging themes within the survey. Table 1 below indicates the areas of interest and sub-themes which emerged in the survey and were applied to the qualitative analysis using QDA Miner Lite.

Table 1: Emerging Themes and Sub-Themes

	Balance of Public Health with Economic and Social
Public Health Measures	Communication and Behavioural Strategy
	Testing and Tracing
	Adoption and Adherence
	Future Preparedness
	Social Determinants of Health
	Prevention and Wellness
	Collaboration and Research
	Transmission
	Treatment
	Comorbidity
Clinical Management	Mental Health
	Medium to Long Term Effects
	Concurrent Management of COVID and other seasonal
	infections
	Vaccination
	Equity
	Pre-exiting system challenges
	Healthcare Workers
Health System Arrangement	Private Sector Involvement
ricaltii oystelli Arrangement	LMIC specific
	Virtual Care
	Supplies and Equipment
	Restoration of Non-COVID services
	Infection Prevention and Control
	Employment and Labour Market
Economic and Social Postance	Childcare and Schools
Economic and Social Response	Vulnerable Populations
	Democracy and Governance



There was a lot of repetitive responses in both the 12- and 24-month top question responses. Therefore, the findings have been grouped together and were relevant have been indicated.

Emerging Themes Overview

Emerging Themes	Key Findings	
Public Health Measures		
Balance of Public Health with Economic and Social	Respondents were very interested predominately in the effectiveness of public health interventions , both prevention and reduction of transmission. There was mention of looking for comparative evidence of different types of interventions, duration and social and economic impacts of these,	
	There were a few key questions around the 'new normal' and what this would look like for both the individual and the collective. This raised the social and economic impacts on issues like education and employment.	
	One question raised which was when to stop interventions, when to return to certain activities – likely looking for guidance on what the end of a pandemic may look like.	
Communication and	The way in which information is communicated through media and	
Behavioural Strategy	managing misinformation were stated.	
	The underpinning result being communicating to influence behavioural	
	change being a key question – with influencing vaccine uptake being a	
	consistent query that carried over into the adoption and adherence subtheme.	
Testing and Tracing	The main questions around testing and tracing were accuracy of tests,	
resting and tracing	early detection and routine testing, cost and effectiveness of testing and	
	tracing.	
Adoption and Adherence	This theme is a combination of the effectiveness of public health	
·	interventions and the communication strategies to influence behaviour.	
	Questions raised here are similar to in previous emergent themes around	
	effectiveness of interventions.	
Future Preparedness	This is a broad collection of questions, but highlight the phrasing of the	
	questions raised. There was emphasis on the learning aspect of what	
	worked. Most questions focused on the strategic level of compressing	
	what worked from both disease control, but also social and economic interventions.	
	There were also several questions focused on governance, collaboration	
	and finance – indicating a more global deconstruction of what worked.	
Social Determinants of	There were few questions, but they focused on the more vulnerable or key	
Health	populations – and if the health system was able to respond to the needs	
	of these populations	
Prevention and Wellness	The questions raised were predominately understanding the effectiveness	
	of prevention interventions.	
	There was also mention of better understanding the needs of vulnerable	
	and key populations.	



Collaboration and Research	There were a few key areas of research that were indicated, but they were along the lines of effectiveness and knowing what works .	
	There was mention of global collaboration and how best to engage – which leans to the aforementioned global deconstruction of what worked.	
Clinical Management		
Transmission	Most of the issues raised were around effectiveness of interventions for prevention of transmission. However, there were questions raised around child vs. adult transmission as well as understanding transmission in vulnerable populations.	
	A question was raised around reinfection and evidence that exists to better understand this.	
Treatment	Most queries are around therapeutic efficacy of treatments available, both pre- and post-exposure. The cost-effectiveness and affordability of these therapeutics was also raised. The role of complimentary and alternative therapies was also mentioned. Beyond 12 months, questions were focuse on the drug approval process.	
	The need for hospitalization as well as treatment of severe Covid-19 was indicated as a key area to better understand. Vulnerable populations again are raised as a key area within treatment.	
Comorbidity	There is a need for more information on chronic disease, co- and multimorbidity with Covid-19. Questions raised were not only around the effectiveness of treatment, but also within the health system mechanisms for care delivery.	
Mental Health	There are questions which include mental health as a sub-theme within the impact of public health interventions, more from a psychological impact of the pandemic on mental health. However, there is a clinical question raised around mental health having a confounding relationship to the high Covid-19 mortality rate at the beginning of the pandemic.	
Medium to Long Term	There are several general questions around the epidemiology and	
Effects	treatment of long-term clinical impacts of Covid-19.	
Concurrent Management of COVID and other seasonal infections	Limited questions, but important considerations around current capacity as well as the effectiveness for care delivery of chronic diseases and multi-morbidity for Covid-19 vulnerable populations . These issues were raised more predominately under health system arrangements.	
Health System Arrangement	more predominately drider neutricognetic drivingements.	
Vaccination	Vaccination does not sit purely in health system arrangement, but across public health measures as well. There is interest in Covid-19 vaccination, but across many interest areas. From effectiveness and immunity to the availability and cost-effectiveness. There are also practical considerations around distribution and prioritization as well as the barriers and facilitation of uptake. Beyond 12-months there are queries around the vaccine approval process.	
Equity	The broad question around equity is as expected around considerations for vulnerable populations.	
Pre-exiting system challenges	The pandemic has raised expected questions around access, effectiveness, financing and human resources for health related to Covid-19. The issues	



	to be considered more specific to Covid-19 may be around building resiliency to respiratory outbreaks, emergency services for respiratory outbreaks and essential service delivery by non-physician health workers .	
	An issue raised which may be addressed under the global deconstruction of what worked may be the impact specific weak health systems had on the pandemic .	
Healthcare Workers	The issue around the availability of human resources for health is expected. The specifics were skill acquisition, training and use of non-physician and community health workers.	
	The issue of safety and infection prevention and control adherence of health workers was raised. Also, the capability of health workers to address the social and behavioural aspects of health and illness .	
Private Sector Involvement	There was only one query in the 24-month top questions around the engagement of public private partnerships in Covid-19 – again probably a good theme in the global deconstruction of what worked.	
LMIC specific	The specific issues to LMICs mentioned were around equity and cost- effectiveness. There were concerns of the safety for health workers , the ability to access virtual care and desire to better understand how to support health systems in LMICs .	
	In regards to testing and treatment, there were queries around the effectiveness of testing and treatment in LMICs.	
Virtual Care	Given the massive increase in virtual service delivery, there were only a few queries regarding strategies for remote care for chronic conditions. Of those queries, there was interest in regard to equity and accessibility of virtual care.	
Supplies and Equipment	There was only one query around the redistribution of Covid-19 related infrastructure and resources into the broader health system – presumably post-Covid. Also, beyond 12-months there was a query around the equitable use of resources meant for Covid-19.	
Restoration of Non-COVID services	There were few queries with the focus being on strategies for maintaining non-Covid services. Within the 24-month top questions there was a key question around dealing with the backlog and urgency of non-Covid health service post-Covid.	
Infection Prevention and Control	The questions were focused on effectiveness of and adherence to IPC guidelines.	
Economic and Social Respons	e	
Employment and Labour Market	Queries were broad around the social and economic impacts of Covid-19 and what this means for the 'new normal'. Safe return to work was also mentioned.	
Childcare and Schools	One question raised around the effectiveness of long-term closure of schools on Covid-19, also the effectiveness of virtual classrooms vs. inperson classrooms.	
Vulnerable Populations	Vulnerable populations were a sub-theme throughout, predominately around equity and access, as well as effectiveness of interventions and care targeted for vulnerable populations.	



Democracy and Governance	There were no issues raised here within the 12-month top questions.
	Within the 24-month top questions there were queries around political
	drivers of the Covid-19 response, corruption and equitable use of Covid-
	19 intended resources. There was also a query around the impact of
	Covid-19 on the general election process , specifically in LMICs.

Recommendations

Membership Management

Map linkages between sectors, ensuring connections between evidence producers and evidence users.

There is interest to further understand if the membership is containing both producers and users of evidence, and the sectors that would lead to EIPM for Covid-19. COVID-END aims to fosters these linkages, so it would be worth exploring if there are active relationships within the membership.

Focus on the regional reach of COVID-END to improve representativeness as a global membership, as well as responding to unique regional needs.

Further strategies should be considered to extend the COVID-END reach to include a more regional approach, as there appears to be some potential differences in priority areas of interest. A communication and marketing strategy should include improving global representativeness.

Target the offering of COVID-END by experience level – or alternately focus efforts on experienced members and refer less experienced members to other groups.

The member survey did not capture significant input from the limited- to no-experience member group. It is assumed that this group may be consumers of COVID-END information due to their inexperience, therefore the low response from this group. COVID-END would need to develop a different strategy for the lesser experienced membership compared to the more experienced membership – as their needs are likely to be different. It is likely that COVID-END may not have the resources to expend on both groups, therefore the recommendation to focus on the more experienced membership and refer less experienced members to other groups that can provide the introduction to evidence informed policy making.

Areas of Interest

Generally, the membership wants evidence for what works – effectiveness and how to present what works

The majority of questions focused around better understanding what worked. There was a keen interest in evidence of what impact interventions had on Covid-19 both from a disease control and clinical management perspective, but also from a social and economic perspective. The questions tended to be phrased around also understanding key risk areas, both of individuals as well as systems to be able to cope and/or respond to Covid-19.



Public Health Measures is again around effectiveness, but also about improving the understanding of communication and behavioural strategies.

There was interest in public health interventions and not only what had the better outcomes on disease control, but also interest in understanding the social and economic impacts of the interventions on education, employment and vulnerable populations. Communication strategies was also another key theme around uptake and adherence, which brings the behavioural aspects of public health forward as a key theme.

Clinically there is interest in the long-term impacts of Covid-19, co-morbidity and mental health.

Clinically, there was interest also in therapeutic efficacy, including comorbidity. Also looking to the clinical management of Covid-19 impacts in the longer-term, as well as clinical management of chronic conditions within the pandemic. Mental health also featured as an area of interest, both clinical management but also the broader psychological impacts of the pandemic on mental health.

Health system arrangements were focused on the capacity and resilience of the health system to respond to a respiratory outbreak, as well as the potential of a new vaccine.

Within health system arrangements, there were the standard areas of concern, access, effectiveness, financing and human resources for health. Within each of these, there were Covid-19 considerations, but more questions spoke to the resiliency of the health system to adapt and the effectiveness of the response. There was considerable interest in a vaccine that spans across public health measures, but specific to health system arrangements is the ability to distribute and prioritize the vaccine once available.

Economic and social responses appeared focused on vulnerable populations, as well as schools and the workplace.

Within economic and social responses there was a focus on equity for vulnerable populations, but also interest in the impact and effectiveness of interventions in schools and the workplace. Democracy and governance were raised only beyond 12-months where political influence, corruption and the impact of Covid-19 on the political election process was indicated.



Annexure A – Complete List of Top 5 Questions

*Questions are alphabetized in no particular order.

Category	Code	Question (spelling is not corrected)
Health System Arrangement, Public Health Measures	LMIC specific, Testing and Tracing	Acceptability of testing in LMICs
Public Health Measures	Testing and Tracing	accuracy (PCR, antibody) + effectiveness of different test strategies
Clinical Management	Medium to Long Term Effects, Mental Health	Adjusting systems to address long-term health effects of COVID-19 (including mental health)
Public Health Measures	Balance of Public Health with Economic and Social, Future Preparedness	ANALYTIC STUDY: What are the relative effects and cost/disruptions of measures to reduce community transmission (beyond FTTIS) - such as various distancing rules, ventilation, masks, etc. This is needed to weigh up the minimal set that can be introduced when community transmission levels are not controlled by FTTIS.
Health System Arrangement, Public Health Measures	Healthcare Workers, Social Determinants of Health	Are health care workers adequately trained on social and behavioural aspects of health and illness?
Economic and Social Response	Childcare and Schools	Are in-person schools a good idea?
Public Health Measures, Health System Arrangement	Future Preparedness, Infection Prevention and Control	Are there components of the enhanced use of PPEs or other practices that should continue past the resolution of the pandemic to ensure appropriate infection control practices? In other words, similar to the changes that followed AIDS and SARS what are the lessons learned from this pandemic that change health care on a go forward basis?
Public Health Measures	Adoption and Adherence, Communication and Behavioural Strategy	BEHAVIOURAL QUESTIONS: What messaging is most effective to improve adherence to the set of behaviours prioritized in Q2?
Clinical Management	Comorbidity, Treatment	Comparative effectiveness of treatment interventions for COVID-19 patients with different medical and social comorbidities
Public Health Measures	Adoption and Adherence, Balance of Public Health with Economic and Social, Future Preparedness	comparison of different lengths and models of quarantine



	1	·
Public Health	Balance of Public Health with	comparison of different lock-down protocols
Measures,	Economic and Social, Future	(naturalistic studies across countries)
	Preparedness, Prevention	
	and Wellness	
Public Health	Communication and	Correct and clear health communication
Measures	Behavioural Strategy	
Health System	LMIC specific, Testing and	Cost and cost effectiveness of COVID-19
Arrangement,	Tracing	testings in LMICs
Public Health		
Measures		
Clinical	Comorbidity, Mental Health	Could the mental health factors associated with
Management		COVID 19 explain the high mortality rate at the
-		beginning of the pandemic?
Clinical	Transmission	COVID transmission among kids (nursey, pre-
Management		school age) and kids - adults
Health System	Vaccination	COVID vaccine
Arrangement		
Public Health	Communication and	data interpretation an comparison (within
Measures	Behavioural Strategy, Testing	country/ across country)
	and Tracing	,, ,,
Public Health	Testing and Tracing,	DESCRIPTIVE Q: What are the relative size of
Measures, Clinical	Treatment	the failure points in the Find, Test, Trace,
Management		Isolate, Support (FTTIS) system? Reducing these
		failures is vital for an effective FTTIS system, so
		research and improvement is needed on the
		largest failure points. (eg See the i-sense
		Dashboard on this - https://covid.i-
		sense.org.uk/).
Public Health	Testing and Tracing	Diagnostic test accuracy of COVID -19 tests
Measures		,
Health System	Healthcare Workers,	Dissemination interventions to improve
Arrangement	Infection Prevention and	healthcare workers' adherence with infection
J	Control	prevention and control (IPC) guidelines for
		respiratory infectious diseases in the workplace
Public Health	Collaboration and Research,	Do we need to invest in more research?
Measures	Future Preparedness	
Health System	Pre-exiting system challenges	Do weak institutions prolong crises?
Arrangement	and the second s	a constitution of the configuration of the configur
Clinical	Treatment	drug approval
Management		
Public Health	Testing and Tracing	Early detection of infection
Measures	. coming and mading	Larry deceasion of infection
Clinical	Treatment	effective therapeutics in critical care
Management	Treatment	checuve therapeatics in chitical care
Health System	Virtual Care	Effectiveness of alternative care delivery
Arrangement	viituai Care	methods (e.g. telemedicine)
Allangement		methous (e.g. telemedicine)



Health System	Vaccination	Effectiveness of mandatory vs. voluntary
Arrangement		receipt of SARS-CoV-2 vaccines
Clinical	Transmission	Effectiveness of masks in controlling COVID -19
Management		spread
Health System	Healthcare Workers,	effectiveness of postprophylaxis for health
Arrangement,	Infection Prevention and	personnel
Public Health	Control, Prevention and	
Measures	Wellness	
Public Health	Adoption and Adherence,	effectiveness of public health interventions
Measures	Balance of Public Health with	(masks, protection of elderly, lockdown)
	Economic and Social,	
	Communication and	
	Behavioural Strategy,	
	Prevention and Wellness	
Clinical	Treatment	effectiveness of therapeutics in hospitalized
Management		patients
Public Health	Balance of Public Health with	Effects of Lock down on Education Sector
Measures,	Economic and Social,	
Economic and	Childcare and Schools	
Social Response		
Public Health	Future Preparedness,	Efficacious and affordable drug treatment for
Measures, Clinical	Treatment	Covid vs other diseases
Management		
Public Health	Collaboration and Research,	Efficacy and types of treatments used in non
Measures, Health	LMIC specific, Treatment	clinical trials settings in LMICs
System		
Arrangement,		
Clinical		
Management		
Health System	Equity, Pre-existing systme	Ensuring health and social needs of older adults
Arrangement,	challenges, Prevention and	are met
Public Health	Wellness, Social	
Measures	Determinants of Health	5 :: 11
Health System	Equity, Supplies and	Equitable use of resources meant for COVID-19
Arrangement	Equipment	5. Helder of the control of COMB 40
Economic and	Democracy and Governance	Equitable use of resources meant for COVID-19
Social Response		Question of corruption and embezzlement in
Dublic Health	Adoption and Adbassas	LMICs
Public Health	Adoption and Adherence,	Factors that influence compliance with SARS-
Measures	Communication and	CoV-2 prevention strategies
Lloolth Custons	Behavioural Strategy	Financing NUC III
Health System	Pre-exiting system challenges	Financing NHS !!!!
Arrangement	David and a second a second and	Cararel alastiana and COVID 40, Effect
Economic and	Democracy and Governance,	General elections and COVID-19 Effects on
Social Response,	LMIC specific	democracy in LMICs
Health System		
Arrangement		



Health work safety and decent work in LMICs
How best can trust in reliable health
promotional messages be built to combat
rumors?
How best to manage the COVID-19-induced
mental health issues, post-COVID-19
How best to setup healthcare to deal with the
post-COVID-19 health issues for those who
didn't have COVID-19 but other health
conditions
How best to setup healthcare to deal with the
post-COVID-19 health issues for those who had
COVID-19
how can countries adapt their systems to be
more receptive to pandemics and major
emergencies
How can countries better prepare to face
another pandemic in the next decades?
How can COVID-19 testing and management
become more affordable? Cost-effectiveness
strategies
h, How can the countries better prepare to
another pandemic in the next decades?
how can we support low income and
developing countries in upgrading health
systems to be more responsive and equitable
when facing pandemics
h, How critical is research to COVID 19?
How do communities play a critical role in the
after care of COVID-19 patients?
How do we best support health systems so they
can fight this significant crisis
ith How do we live as an individuals and
collectively in the new normal?
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ith How do we live as an individuals and
collectively?
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Public Health	Collaboration and Research,	How do we target key populations for all
Measures,	Vulnerable Populations	pandemics including COVID-19 within a
Economic and		multisector-, integrated, and MIT (multi-, inter-
Social Response		and transdisciplinary) approach?
Public Health	Collaboration and Research,	How does health care contribute to stigma
Measures,	Vulnerable Populations	related to COVID-19? How should social
Economic and		sciences collaborate on this?
Social Response		
Economic and	Childcare and Schools,	How effective and safe (long term) is to close
Social Response,	Prevention and Wellness	schools iduring the pandemic?
Public Health		
Measures		
Health System	Vaccination	How effective are the candidate vaccines
Arrangement	Vaccination	Thow effective are the candidate vaccines
Clinical	Comorbidity, Concurrent	How effective are the current mechanisms of
	Management of COVID and	care delivery for populations with chronic
Management,	other seasonal infections,	diseases or multimorbidity at high risk of
Health System	-	
Arrangement,	Pre-existing system	severe COVID-19 for preventing COVID-19?
Economic and	challenges, Vulnerable	
Social Response	Populations	
Clinical	Pre-exiting system	How effective are the current mechanisms of
Management,	challenges, Treatment,	care delivery for the older populations at high
Health System	Vulnerable Populations	risk of severe COVID-10 for preventing COVID-
Arrangement,		19?
Economic and		
Social Response		
Health System	Vaccination, Vulnerable	How effective are the vaccines for COVID-19 in
Arrangement,	Populations	preventing COVID-19 in the general population
Economic and		and vulnerable population?
Social Response		
Health System	Equity, LMIC specific, Pre-	How equitable is access to quality health care
Arrangement	existing system challenges	across Africa?
Health System	Vaccination	How long does vaccine-produced immunity
Arrangement		last?
Clinical	Transmission	How much do children actually transmit COVID-
Management		19 to other children and adults
Health System	Vaccination	How safe are candidate vaccines
Arrangement		
Health System	Pre-exiting system challenges	How should health care be strengthened for
Arrangement	2 2	continuous care post-COVID-19?
Health System	Healthcare Workers, Supplies	How to best (cost-effectiveness) transition
Arrangement	and Equipment	COVID related health infrastructure/human and
Arrangement	and Equipment	material resources throughout the health
		systems?
Public Health	Collaboration and Research	How to build impactful global collaborations.
	Collaboration and Research	How to build impactful global collaborations.
Measures		



Public Health	Collaboration and Research	How to collaborate internationally in
Measures		pandemics?
Public Health	Communication and	How to deal with misinformation for lay
Measures	Behavioural Strategy	people?
Public Health	Collaboration and Research,	How to develop and to disseminatie rapid
Measures	Future Preparedness	guidelines on pandemics?
Health System	Vaccination	How to distribute vaccination in the
Arrangement		population?
Health System	Private Sector Involvement	How to find the best balance between public
Arrangement		and private initiatives?
Health System	Vaccination	How to guarantee vaccination coverage (both
Arrangement		in terms of awareness and engagement,
		security and availability)?
Public Health	Collaboration and Research	How to integrate Indigenous Knowledge
Measures		Systems within the existing COVID-19 response
		at national and continental levels?
Health System	Restoration of Non-COVID	How to keep healthcare running for non
Arrangement	services	COVID-19 patients?
Clinical	Medium to Long Term Effects	How to manage long COVID-19?
Management		
Public Health	Future Preparedness	How to predict and prepare for virus mutations
Measures		and new pandemic waves?
Health System	Pre-exiting system	how to prepare primary care services for the
Arrangement	challenges, Vaccination	administration of the vaccine for covid-19?
Health System	Healthcare Workers,	How to prevent COVID-19 in healthcare
Arrangement,	Prevention and Wellness	workers?
Public Health		
Measures		
Clinical	Treatment	How to prevent hospital admissions in patients
Management		with COVID-19?
Public Health	Communication and	How to reduce fake news?
Measures	Behavioural Strategy	
Health System	Equity	How to reduce inequity in pandemics?
Arrangement		
Public Health	Balance of Public Health with	How to return to work safely
Measures,	Economic and Social,	The way to
Economic and	Employment and Labour	
Social Response	Market	
Health System	Healthcare Workers	How to train community health workers?
Arrangement	The state of the s	The to dam community fledidi workers.
Public Health	Communication and	How to train the media about Covid-19?
Measures	Behavioural Strategy	The to train the media about covid 15.
Public Health	Future Preparedness	Identify the most effective strategies to
Measures	Tatare Frepareuriess	develop health policies
Clinical	Mental Health	individuals and collectively in the new normal?
Management	TVICITUAL FICALUIT	marviduais and conectively in the new normal!
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Public Health	Prevention and Wellness,	Interventions for the prevention of COVID-19
Measures, Clinical	Treatment	
Management		
Health System	Equity, Testing and Tracing,	Interventions supporting testing, case
Arrangement,	Vulnerable Populations	identification and referral systems to include
Public Health		lower income populations in medically
Measures,		underserved areas
Economic and		
Social Response		
Public Health	Communication and	Interventions to engage people in getting the
Measures, Health	Behavioural Strategy,	COVID-19 vaccine
System	Vaccination	
Arrangement		
Public Health	Adoption and Adherence,	Interventions to improve uptake of vaccines
Measures, Health	Communication and	(especially with multi-dose vaccines)
System	Behavioural Strategy,	
Arrangement	Vaccination	
Health System	Equity, Virtual Care,	Interventions to reduce disparities in access to
Arrangement,	Vulnerable Populations	telehealth and other digital health resources
Economic and		including but not limited to limited access to
Social Response		appropriate devices (computers, tablets, smart
		phones) and connectivity (broad band access
		in the home)
Public Health	Adoption and Adherence,	Interventions/policies to minimize risk of
Measures, Clinical	Future Preparedness,	transmission in the school setting (by level of
Management	Transmission	education: primary to university)
Clinical	Medium to Long Term	-long haul covid and mental health issues
Management	Effects, Mental Health	
Clinical	Medium to Long Term Effects	long term clinical consequences
Management		
Clinical	Mental Health	-mental health issues
Management		
Public Health	Social Determinants of	Monitoring of social determinants of health
Measures	Health	and its changes and impacts on communities.
Health System	Pre-exiting system challenges	Permanent changes in logistics of NHSs
Arrangement		
Public Health	Balance of Public Health with	policies to balance the benefits of COVID
Measures	Economic and Social	transmission with the psyco-social harms of
		lockdown procedures
Public Health	Prevention and Wellness,	pre-/postexposure therapies
Measures, Clinical	Treatment	
Management		
Public Health	Balance of Public Health with	Preventive medicine/public health priorities
Measures	Economic and Social,	
	Prevention and Wellness	1



Health System Arrangement	Vaccination	Prioritization of vaccine implementation given expected high demand and low shortage of
		effective vaccines
Clinical Management	Mental Health	psychologial impact of the pandemic
Public Health Measures	Adoption and Adherence, Balance of Public Health with Economic and Social, Communication and Behavioural Strategy, Future Preparedness, Testing and Tracing	public health interventions to contain spread (school closure, events, etc.)
Public Health Measures	Balance of Public Health with Economic and Social	-public health measures
Public Health Measures	Adoption and Adherence, Communication and Behavioural Strategy, Testing and Tracing	-public health related strategies efficacy/effectiveness
Health System Arrangement	LMIC specific	Question of corruption and embezzlement in LMICs
Public Health Measures	Collaboration and Research	Reducing these failures is vital for an effective FTTIS system, so research and improvement is needed on the largest failure points.
Clinical Management	Transmission	reinfection - genomic evidence
Public Health Measures	Collaboration and Research	research in Covid
Clinical Management	Treatment	Role of Complementary and Alternative Medicines in Post COVID Health management.
Public Health Measures	Testing and Tracing	Routine laboratory testing to determine if a patient has COVID-19 pneumonia or SARS-CoV-2 infection
Clinical Management, Health System Arrangement	Medium to Long Term Effects, Treatment, Vaccination	Same as previous 5, but would add vaccine uptake and management of long covid
Public Health Measures	Collaboration and Research	Should global collaborations be the way to go or should nations retain their sovereignty when it comes to managing Global health issues?
Health System Arrangement, Public Health Measures	Pre-exiting system challenges, Prevention and Wellness	Should health care be the entry point for COVID-19 prevention?
Public Health Measures, Economic and Social Response	Balance of Public Health with Economic and Social, Employment and Labour Market	-social issues such as schooling, work/employment, income



Public Health	Balance of Public Health with	Socio-Economic Ramifications of lock down in
Measures, Health	Economic and Social, LMIC	LMICs
System	specific	
Arrangement		
Health System	Infection Prevention and	Spread of COVID-19 in hospitals - what are the
Arrangement	Control	optimal infection control practices to keep
		health care workers safe and prevent
		nosocomial spread of COVID-19
Public Health	Adoption and Adherence,	Strategies to enforce government
Measures, Clinical	Balance of Public Health with	recommendations based on non-
Management	Economic and Social, Future	pharmacological protective measures directed
Management	Preparedness, Transmission	at the general population in order to prevent or
	Prepareuness, transmission	
		reduce community transmission of pandemic
5 1 11 11 11		respiratory viruses
Public Health	Future Preparedness, Pre-	Strategies to expand emergency services and
Measures, Health	existing system challenges	their sustainability for patient care during
System		respiratory pandemics
Arrangement		
Health System	Healthcare Workers, LMIC	Strategies to improve the salary of health
Arrangement	specific	workers facing the pandemic and post-
		pandemic in low- and middle-income countries
Public Health	Future Preparedness,	Strategies to increase specialists (doctors and
Measures, Health	Healthcare Workers, Pre-	others) for the management of patients related
System	existing system challenges	to respiratory pandemics
Arrangement		, , , ,
Public Health	Adoption and Adherence	SUPPORT: What are the most crucial
Measures	·	components of social support, eg funding for
		sick leave or quarantine, needed for
		maintaining appropriate behaviours?
Public Health	Adoption and Adherence,	The Effectiveness of Quarantine alone or in
Measures	Balance of Public Health with	Combination with Other Public Health
casares	Economic and Social, Future	Measures to Control Coronavirus Disease 2019
	Preparedness, Prevention	Wiedsares to control corollavirus bisease 2015
	and Wellness	
Clinical	Transmission	The rate of re-infection with COVID-19
	Transmission	The rate of re-infection with COVID-19
Management Clinical	Troatmont	troatment officacy/offoctiveness
	Treatment	-treatment efficacy/effectiveness
Management	Add to the second second	To the state of th
Clinical	Medium to Long Term	Treatment of chronic Covid
Management	Effects, Treatment	
Clinical	Treatment	-treatments efficacy/effectiveness
Management		
Public Health	Adoption and Adherence,	Understanding if certain messaging for SARS-
Measures	Communcation and	CoV-2 prevention is more effective for different
	Behavioural Strategy	contexts
Health System	Vaccination	Understanding reasons people choose to
Arrangement		receive and not receive SARS-CoV-2 vaccination
an angement		receive and not receive SARS-COV-2 vaccination



Health System	Vaccination	vaccination
Arrangement		
Health System	Vaccination	vaccine approval
Arrangement		
Health System	Vaccination	vaccine effectiveness in different population
Arrangement		
Health System	Vaccination	-vaccine efficacy/effectiveness
Arrangement		
Public Health	Future Preparedness, Pre-	What additional health care services should be
Measures, Health	existing system challenges,	made available within a comprehensive and
System	Restoration of Non-COVID	integrated service delivery?
Arrangement	services	
Clinical	Medium to Long Term Effects	What are (and how to deal with) the long-term
Management		side-effects of COVID-19 exposure?
Clinical	Medium to Long Term Effects	What are and how to deal with long-term
Management		COVID related side-effects/diseases?
Health System	Vaccination, Vulnerable	What are interventions to improve COVID-19
Arrangement,	Populations	vaccine delivery to the vulnerable population
Economic and	·	and how effective are they?
Social Response		,
Clinical	Medium to Long Term Effects	What are predictors for long COVID-19?
Management		
Health System	LMIC specific, Virtual Care	What are the barriers and enablers to accessing
Arrangement		telemedicine for those living in LMIC?
Health System	Vaccination	What are the barriers and facilitators for
Arrangement	Vaccination	populations regarding COVID-19 vaccination
7 in angement		programmes?
Public Health	Balance of Public Health with	What are the best interventions to control the
Measures, Health	Economic and Social,	spread of the virus, without using lockdown?
System	Infection Prevention and	spread of the virus, without using lockdown:
Arrangement,	Control, Prevention and	
Clinical	Wellness, Transmission	
Management	Weilitess, Transmission	
Clinical	Treatment	What are the best interventions to reduce
Management	i reacinent	mortality in severe Covid?
Health System	Equity, Vaccination	What are the best options for an effective roll-
•	Equity, vacciliation	out of a vaccination program that includes
Arrangement		
		equity and equality across all populations and communities in Canada
Public Health	Balance of Public Health with	
		What are the conditions to safely resume
Measures	Economic and Social	international travel?
Clinical	Comorbidity, Concurrent	What are the current mechanisms of care
Management,	Management of COVID and	delivery for populations with chronic diseases
Health System	other seasonal infections,	or multimorbidity at high risk of severe COVID-
Arrangement,	Pre-existing system	19 for preventing COVID-19?
Economic and	challenges, Vulnerable	
Social Response	Populations	



Health System	Pre-exiting system	What are the current mechanisms of care
Arrangement,	challenges, Prevention and	delivery for the older populations at high risk of
Public Health	Wellness, Treatment,	severe COVID-10 for preventing COVID-19?
Measures, Clinical	Vulnerable Populations	
Management,		
Economic and		
Social Response		
Public Health	Future Preparedness,	What are the digital technologies used to
Measures, Clinical	Treatment, Virtual Care	improve outcomes of COVID-19 care delivery?
Management,	,	,
Health System		
Arrangement		
Health System	Pre-exiting system challenges	What are the effects of different arrangements
Arrangement	The externs system enumeriges	for financing COVID-19 health care services in
Arrangement		the long term?
Clinical	Treatment, Virtual Care	What are the effects of different strategies of
	Treatment, viituai Cale	remote care provided by non-medical staff for
Management,		
Health System		chronic diseases in primary care?
Arrangement		NAME OF THE PARTY
Health System	Healthcare Workers, Pre-	What are the experiences with delivery of
Arrangement	existing system challenges,	COVID and non COVID related essential services
	Restoration of Non-COVID	by non physician health workers.
	services	
Public Health	Prevention and Wellness,	What are the interventions to improve
Measures, Clinical	Treatment, Vulnerable	outcomes in preventing COVID-19 in the
Management,	Population	vulnerable populations?
Economic and		
Social Response		
Public Health	Balance of Public Health with	What are the key socio-economic and - political
Measures,	Economic and Social,	drivers of the prevention of COVID-19?
Economic and	Democracy and Governance,	
Social Response	Prevention and Wellness	
Clinical	Medium to Long Term Effects	What are the long-term sequellae of COVID-19?
Management		
Health System	Equity	what are the major human rights and equity
Arrangement		considerations during pandemics
Health System	Vaccination, Vulnerable	What are the mechanisms for COVID-19
Arrangement,	Populations	vaccine delivery to the vulnerable population
Economic and		and how effective are they?
Social Response		
Public Health	Adoption and Adherence,	What are the most effective communication
Measures, Clinical	Communication and	strategies to improve compliance with
Management	Behavioural Strategy,	measures to reduce the transmission of the
ivialiageillellt	Transmission	
Clinical		pandemic virus in populations?
Clinical	Medium to Long Term Effects	What are the patient reported (important)
Management		outcomes related to SARS-CoV-2 infection and



		COVID-19, including long-term effects of COVID-19
Public Health	Communication and	What are the programs, models or
Measures, Health	Behavioural Strategy,	interventions to improve health literacy on
System	Prevention and Wellness,	COVID-19 and the associated vaccination
*	Vaccination	programs and how effective are they?
Arrangement	Virtual Care	
Health System	Virtual Care	What are the specialized services that can best
Arrangement		be provided with telehealth in times of
Dulatio Haalkla	Adamtian and Adhanana	pandemic and post-pandemic
Public Health	Adoption and Adherence,	What behaviours within the healthcare system
Measures, Health	Communication and	and within the community at large are barriers
System	Behavioural Strategy, Pre-	to a resolution of the pandemic?
Arrangement	existing system challenges	
Public Health	Prevention and Wellness,	What characteristics of the SARS-COV2 virus
Measures, Health	Restoration of Non-COVID	make the transmission of the virus efficient and
System	services, Transmission	effective and what practical activities can
Arrangement,		effectively counteract transmission particularly
Clinical		in non-hospital or collective living settings to
Management		enable non-essential health care to continue
		within the pandemic.
Public Health	Future Preparedness	What early indicators are there that a country
Measures		is going into another wave
Public Health	Future Preparedness	what have we learned from COVID to better
Measures		prepare us for future (and most likely
		inevitable) pandemics
Clinical	Transmission	What is the contribution of asymptomatic
Management		people with SARS-CoV-2 to spread in hospitals
		and in the community
Public Health	Balance of Public Health with	What is the effectiveness of closing schools
Measures,	Economic and Social,	from a societal perspective? (long term)
Economic and	Childcare and Schools	
Social Response		
Health System	Healthcare Workers	What is the extent of skill acquisition and
Arrangement		knowledge retention by community health
		workers, trained using virtual training
		methods?
Health System	Healthcare Workers, Mental	What is the impact of social distancing in
Arrangement,	Health	mental health? How to properly grieve from
Clinical		the experience (population in general and
Management		health workers)?
Public Health	Prevention and Wellness,	What is the most effective and cost-effective
Measures, Health	Vaccination	vaccine to prevent COVID 19 in high-risk
System		populations in scpeific contexts
Arrangement		paparation in appenie deliterate
Health System	Vaccination	What is the most effective and cost-effective
Arrangement		vaccine?
/ arangement	1	vaccine;



Public Health Measures, Health System Arrangement, Clinical	Balance of Public Health with Economic and Social, Future Preparedness, Infection Prevention and Control, Transmission	What is the most effective intervention to control the spread of the virus, without using stricts lockdowns?
Management Clinical Management	Treatment	What is the most effective treatment for severe COVID19?
Clinical Management	Transmission	What is the outer limit of shedding of contagious virus for patients with asymptomatic SARS-CoV-2, for those with mild symptoms and those with severe symptoms.
Public Health Measures	Future Preparedness	What is the risk and how to prepare for new pandemic waves?
Public Health Measures, Clinical Management	Prevention and Wellness, Transmission	What is the true effect of wearing masks outside of direct clinical care in preventing COVID-19
Public Health Measures	Balance of Public Health with Economic and Social, Future Preparedness	What measures should be implemented and when to reduce the impact at the start of a new wave of infections in a country
Clinical Management	Treatment	What mitigating factors show efficacy in reducing the viral load?
Health System Arrangement, Clinical Management	Healthcare Workers, Infection Prevention and Control, Transmission	what practices and procedures at point of care are reducing the risk of transmission
Health System Arrangement	Equity, Vaccination	What strategies are the best for equitable vaccine implementation? How to help governments to exercise priorities in this regard?
Clinical Management	Mental Health	What strategies from the health services exist to mitigate mental health problems in patients and their families during hospitalization and after discharge or death?
Public Health Measures	Prevention and Wellness	what will it take for oral health to be a pillar of the health care system so that poor oral health is recognized as a contributor to overall ill health and morbidity.
Public Health Measures	Balance of Public Health with Economic and Social, Future Preparedness	What will the next normal look like?
Public Health Measures	Balance of Public Health with Economic and Social	when to stop public health interventions: end of pandemia
Health System Arrangement	Vaccination	When vaccines become available, how long will immunity last?



Public Health	Adoption and Adherence,	Which interventions will be most effective at
Measures	Prevention and Wellness	containing the overall community and regional
		spread of the virus?
Public Health	Collaboration and Research,	Which reservoir did SARS-CoV-2 originate
Measures, Clinical	Transmission	from?
Management		
Public Health	Prevention and Wellness,	Who are the most vulnerable populations that
Measures, Health	Equity, Future Preparedness	future pandemics should seek to protect
System		
Arrangement		
Public Health	Future Preparedness, Testing	Who should be tested when in order to provide
Measures	and Tracing	early detection or prevention of case spread
		(eg screening travellers across borders; checks
		of health care workers, etc).