

Pillar 2

Interventions and Evidence

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Non-Pharmacological Interventions: Working Pillars and Cross-Cutting Themes

Cross-cutting Themes	Pillar 1 Diagnostics and Transmission	Pillar 2 Interventions and Evidence	Pillar 3 Practice and Policy
<p>Theme 1: Definitions and Nomenclature Glossary of terms Taxonomy Classifications</p> <p>Theme 2. Data Challenges Inputs to transmission models Outcomes - mortality, morbidity, infection, hospitalisations, other Data veracity Data sharing</p> <p>Theme 3. Methodological Issues</p>	<p>Diagnostic Criteria Testing methods-PCR, lateral flow, rapid tests, serology, WGS Testing strategies</p> <p>Modes of Transmission</p> <ul style="list-style-type: none"> • Animal-animal studies • Human-animal studies • Human challenge studies <p>Study Quality and Standards A framework for evidence assessment, synthesis, and adjudicating study quality</p> <p>Access to data with bias assessments Setting minimum methodological standards Reporting methods</p>	<p>Types of NPIs: Individual vs community vs population based settings Identifying and applying NPIs to various s- Developing, testing and applying Novel NPIs in a pandemic</p> <p>Assessing the benefits and harms of NPIs</p> <p>Developing a framework for evidence synthesis Developing evidence during and outside of pandemics</p> <p>Study design for high quality: RCTs, CRTs, cohort studies and others Outcomes - mortality, infections, hospitalizations, morbidity</p> <p>Role of the Environment and infrastructure Waste in the scientific literature Role of laboratory studies Use of models and predictive modelling</p>	<p>Assessing the cost-effectiveness of interventions in pandemics Assessing waste during pandemics and impact on policy</p> <p>Developing a framework for grading policy Developing effective policy</p> <p>Policy for intervening in individuals and populations Adjudicating study quality for policy Reporting criteria Role of Journals</p> <p>Role of media and dissemination in effecting policy Behavioural tactics in setting policy</p>
<p>Theme 4. Funding</p>	<p>Short term/ long term sustainable/internal and external grants, conference revenue, leveraging</p>		

Effect of Air Purifiers in Long-Term Care Facilities to Prevent Respiratory Viral Infections

- Setting: Long-term care facilities
- Multi-country randomized trial

Other methodological considerations:

- Match facilities on their characteristics (e.g., bed size, resident populations)
- Stepped wedge design
- Pilot to inform platform trial



Protocol 1

Cost-effectiveness of Air Purifiers in Long-Term Care Facilities to Prevent Respiratory Viral Infections

- Modelled evidence
- Setting: Long-term care facilities

Other methodological considerations:



Protocol 2

N95 vs Medical Masks

- Setting: Community
- Multi-country randomized trial

Other methodological considerations:



Protocol 3

Vitamin D to Prevent the Incidence of Respiratory Viral Infections/Symptoms

- Setting: Community

Other methodological considerations:

- Overview of systematic reviews
- Consider the populations that would benefit the most



Review 1

Vitamin D to Prevent Incidence of Respiratory Viral Infections/Symptoms

- Setting: Community
- Multi-country randomized trial

Other methodological considerations:

- Pilot to inform platform trial of supplements



Protocol 4

Personal Preferences in Public Messaging Regarding NPIs for Public Health Emergencies

- Survey where participants are randomized to one type of messaging vs another

Other methodological considerations:



Protocol 5

Selection of Covariates and Designs in Observational Studies addressing Effectiveness of NPIs: Relationship to Positive vs Neutral vs Negative Findings

Other methodological considerations:

- Length of NPI follow-up



Review 2

Catalogue of Benefits and Harms: Systematically Map the Benefits and Harms of Different NPIs

Other methodological considerations:

- Consider environmental harms

Systematic Review of Persons' Weight/Value on Benefits and Harms from NPIs

Other methodological considerations:

- If identify lack of evidence, then consider primary research of person preferences