

Weekly Evidence Report



Health Technology Assessment Philippines

27 FEBRUARY to 5 MARCH 2021

Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 27 February to 5 March 2021. The HTA Unit reviewed a total of 9 studies for the said period.

Evidence includes 3 studies on Epidemiology; 1 study on Transmission; 0 studies on Drugs; 1 study on Vaccines, 0 studies on Equipment and Devices; 1 study on Medical and Surgical Procedures; 0 studies on Traditional Medicine; and 3 studies on Preventive & Promotive Health.

The following report notes that 1 study have not been peer-reviewed, each highlighted accordingly.



Sections

Epidemiology

Transmission

Drugs

Vaccines

Equipment & Devices

Medical & Surgical Procedures

Traditional Medicine

Preventive & Promotive Health

Evidence on Epidemiology

Local COVID-19 Tracker: <https://www.doh.gov.ph/covid19tracker>

Local COVID-19 Case Tracker: <https://www.doh.gov.ph/covid-19/case-tracker>

Date	Author/s	Title	Journal/ Article Type	Summary
2 Mar 2021	WHO	COVID-19 Weekly Epidemiological Update	WHO (Epidemiologic Report)	<ul style="list-style-type: none"> Globally, a 7% increase was found in new cases compared to the previous week a factor being considered to contribute are the variants of concern and relaxation of public health and social measures Countries with the highest number of new cases include the USA, Brazil, France, Italy, and India
1 Mar 2021	ASEAN Biodiaspora Virtual Center	Risk Assessment for International Dissemination of COVID-19 to the ASEAN Region	ASEAN Biodiaspora Virtual Center (Risk Assessment)	<ul style="list-style-type: none"> 114.9 million cases and 2.5 million deaths have been attributed to COVID-19 worldwide The Philippines and Thailand kickstarted their vaccination programs with Sinovac and a mixture of Sinovac and Astrazeneca, respectively No new updates were found for travel advisories in the ASEAN region

Evidence on Vulnerable Population Epidemiology

Date	Author/s	Title	Journal/ Article Type	Summary
1 Mar 2021	Hartmann-Boyce, J	Risks of and from SARS-COV-2 (COVID-19) infection in people with asthma	CEBM (Review)	<ul style="list-style-type: none"> Six systematic reviews and 13 included primary studies were included in the review It is unclear if characteristics affect the link between people with asthma (PWA) and COVID-19 outcomes. Within PWA with COVID-19, COPD patients and those with non-allergic asthma seem more vulnerable to worse outcomes

Evidence on Transmission

Date	Author/s	Title	Journal/ Article Type	Summary
3 Mar 2021	Costa, R, et al	Upper respiratory tract SARS-CoV-2 RNA loads in symptomatic and asymptomatic children and adults	MedRxiv (Experimental study)	<ul style="list-style-type: none"> 1,184 adult and children subjects were included in the study with 424 not requiring hospitalization and were asymptomatic. Median SARS-COV-2 RNA loads between adults and children were similar Children were found to have the same level of transmissibility as adults for this disease

Evidence on Drugs

Date	Author/s	Title	Journal/ Article Type	Summary
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Evidence on Vaccines

Link to HTA Living Database: <https://bit.ly/3gOOSmG>
 LAST UPDATE: 19 FEBRUARY 2021

NYT Coronavirus Vaccine Tracker:

<https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>

Bloomberg Vaccine Tracker:

<https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/>

London School of Hygiene and Tropical Medicine Vaccine Trial Mapper and Tracker:

https://vac-lshtm.shinyapps.io/ncov_vaccine_landscape/

ACIP Files:

https://drive.google.com/drive/u/0/folders/1v-jd66qllxnUkfzXWKqiD0mkVvqy_VvJ

Date	Author/s	Title	Journal/ Article Type	Summary
4 Mar 2021	Kuder, MM; Lang, DM; Patadia, DD	Anaphylaxis to vaccinations: A review of the literature of the COVID-19 mRNA vaccinations	Cleveland Clinic Journal of Medicine (Review of Literature)	<ul style="list-style-type: none"> 21 reported and 10 possible cases of anaphylaxis were noted for the Pfizer and Moderna vaccines. The overall incidence of anaphylaxis related to COVID-mRNA vaccines is very low

Evidence on Equipment & Devices

Date	Author/s	Title	Journal/ Article Type	Summary
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Evidence on Medical & Surgical Procedures

Date	Author/s	Title	Journal/ Article Type	Summary
26 Feb 2021	Janaiaud, P.; Axfors, C.; Schmitt, AM	Association of Convalescent Plasma Treatment With Clinical Outcomes in Patients With COVID-19	JAMA (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> Four peer-reviewed published RCTs including 1,060 patients were included in the review Mortality risk ratio was found to be 0.93 and adjusted to 1.02 when six unpublished RCTs were added. Both were not statistically significant In COVID-19 patients, using convalescent plasma in treatment versus controlled did not show association with improved survival or other positive clinical outcomes

Evidence on Traditional Medicine

Date	Author/s	Title	Journal/ Article Type	Summary
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Evidence on Preventive & Promotive Health

Evidence on Screening

Date	Author/s	Title	Journal/ Article Type	Summary
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Evidence on Personal Measures

Date	Author/s	Title	Journal/ Article Type	Summary
26 Feb 2021	Ernawati, K., et al	Community knowledge, attitudes and behaviors in prevention of COVID-19 transmission: A systematic review	International Journal of Public Health Science (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> Descriptive analysis was done analyzing sociodemographic, knowledge, attitudes, and behaviors in preventing COVID-19 Preventive behavior has been found to be related to knowledge and attitudes in the community

Evidence on Community Measures

Date	Author/s	Title	Journal/ Article Type	Summary
23 Feb 2021	Benzinger, P, et al	Psychosocial Effects of the Pandemic on Nursing Staff and Residents and Their Relatives--A Systematic Review	Journal of Gerontology and Geriatrics (Systematic Review)	<ul style="list-style-type: none"> 756 studies including 15 papers were reviewed in the study Negative psychosocial consequences were reported for residents, relatives, or visitors and employees noting loneliness, sadness, depression, and fear as common themes for the population
2 Mar 2021	Studwick, G., et al	Digital Interventions to Support Population Mental Health in Canada During the COVID-19 Pandemic: Rapid Review	Journal of Medical Internet Research Mental Health (Rapid Review)	<ul style="list-style-type: none"> 31 mobile apps and 114 web-based resources were included in the review Variation in purpose, approach, design, cost, and other considerations were noted among them Further study on these platforms were suggested to be done