

Weekly Evidence Report



Health Technology Assessment Philippines

17 to 23 APRIL 2021

Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 17 to 23 April 2021. The HTA Unit reviewed a total of 11 studies for the said period.

Evidence includes 3 studies on Epidemiology; 1 study on Transmission; 2 studies on Drugs; 1 studies on Vaccines, 1 study on Equipment and Devices; 0 studies on Medical and Surgical Procedures; 0 studies on Traditional Medicine; and 3 studies on Preventive & Promotive Health.

The following report notes that 1 study has not been peer-reviewed, each highlighted accordingly.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
20 Apr 2021	WHO	Coronavirus Disease 2019 (COVID-19) External Situation Report	WHO (Situation Report)	<ul style="list-style-type: none"> Globally, 5.2 million new cases were reported in the past week. 83,000 new deaths were noted compared to the past week The highest number of cases were noted from India, USA, Brazil, Turkey, and France
21 Apr 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"> 143.7 million cases and 3 million deaths are attributed to COVID-19 Thailand decided on adopting a vaccine passport which may be used for travelling Singapore is reassessing border controls with regards reinfection among recovered COVID-19 patients

Evidence on Vulnerable Population Epidemiology

Date	Author/s	Title	Journal/ Article Type	Summary
6 Apr 2021	Pizarro-Pennarolli, C., et al 2021	Assessment of activities of daily living in patients post COVID-19: a systematic review	PeerJ Journals (Systematic review)	<ul style="list-style-type: none"> 9 studies out of 1,005 reviewed were included. The Barthel Index and ADL score were the most commonly used assessment tools Worsening physical function and ADLs were noted in all post-COVID-19 patients

Evidence on Transmission

Date	Author/s	Title	Journal/ Article Type	Summary
15 Apr 2021	Barcelos, IDE. et al	Vertical Transmission of SARS-CoV-2: A Systematic Review	RBGO (Systematic Review)	<ul style="list-style-type: none"> 177 records were evaluated with 9 suspected cases and one case with sufficient evidence of vertical transmission The risk of vertical transmission for SARS-CoV-2 is probably low

Evidence on Drugs

Date	Author/s	Title	Journal/ Article Type	Summary
16 Apr 2021	Bhowmick, S., et al	Safety and Efficacy of Ivermectin and Doxycycline Monotherapy and in Combination in the Treatment of COVID-19: A Scoping Review	Drug Safety (Scoping Review)	<ul style="list-style-type: none"> 19 studies with 8,745 patients at various COVID-19 stages were included in the review The evidence is not enough to promote or refute the efficacy of ivermectin, doxycycline, or the combination for COVID-19 management
19 Apr 2021	Chaudhuri, Di, et al	Corticosteroids in COVID-19 and non-COVID-19 ARDS: a systematic review and meta-analysis	Intensive Care Medicine (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> 18 RCTs were included in the review which includes 2,826 patients An RR of 0.82 (95%CI: 0.72-0.95), ARR 8.0% (95%CI: 2.2-12.5, moderate certainty) were noted for corticosteroid use Those who received a course over than 7 days, had higher survival rates compared to those with shorter courses

Evidence on Vaccines

Link to HTA Living Database: <https://bit.ly/3gOOSmG>
 LAST UPDATE: 19 MARCH 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
7 Apr 2021	Hitchings, M.T.	Effectiveness of CoronaVac in the setting of high SARS-CoV-2 P.1 variant transmission in Brazil: A test-negative case-control study	MedRxiv (Case-control Study)	<ul style="list-style-type: none"> 53,176 HCWs were included in the study 88% received at least one dose of CoronaVac and 5% underwent RT-PCR testing. Of which, 2% turned out positive Vaccination with at least one dose led to a 0.50-fold reduction in the odds of getting symptomatic SARS-CoV-2 infection 14 days after dose 1 of the vaccine

Evidence on Equipment & Devices

Date	Author/s	Title	Journal/ Article Type	Summary
12 Apr 2021	Fonhus, MS, et al	Facemasks to prevent transmission of respiratory illness, such as COVID-19	NIPH (Rapid Review)	<ul style="list-style-type: none"> A systematic review on 43 studies were conducted to analyze the effectiveness of facemasks but only one systematic review was noted to be high quality A thorough mapping of relevant primary studies should be included in studies

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
21 Apr 2021	Stefanoff, P, et al	Final report from a one-year evaluation of diseases surveillance during the COVID-19 epidemic	NIPH (Report)	<ul style="list-style-type: none"> The implementation of the Norwegian Surveillance System Communicable Diseases (MSIS) was monitored gradually over 12 months 145 physicians participated and 28% noted that they do not always notify diagnosed cases to MSIS

Evidence on Personal Measures

Date	Author/s	Title	Journal/ Article Type	Summary
15 Apr 2021	Chowdhury, AI, et al	Does higher Body Mass Index increase COVID-19 severity?: a systematic review and meta-analysis	Obesity Medicine (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> 12 studies were included in the review COVID-19 severity was 1.31 times higher based on both fixed and random effect model among overweight individuals Obesity and overweight are risk factors for the severity of COVID-19 among patients

Evidence on Community Measures

Date	Author/s	Title	Journal/ Article Type	Summary
20 Apr 2021	Moore, KS, et al	The Impact of COVID-19 on the Latinx Population: A Scoping Literature Review	Public Health Nursing (Scoping Review)	<ul style="list-style-type: none"> 16 studies were included in the review with meta-analyses and community-based assessments, and health records Due to its multifactorial nature, more research is needed to study them in detail