

Weekly Evidence Report



Health Technology Assessment Philippines

19 - 29 December 2020

Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 19 to 29 December 2020. The HTA Unit reviewed a total of 14 studies for the said period.

Evidence includes 4 studies on Epidemiology; 3 studies on Transmission; 1 study on Drugs; 0 studies on Vaccines, 1 study on Equipment and Devices; 2 studies on Medical and Surgical Procedures; 0 studies on Traditional Medicine; and 3 studies on Preventive & Promotive Health.

The following report notes that 0 studies have not been peer-reviewed, each highlighted accordingly.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
23 Dec 2020	WHO WPRO	External Situation Report #34	WPRO (Situation Report)	<ul style="list-style-type: none"> New cases were reported in 16 Western Pacific Region (WPR) countries including the Philippines with 10,976 Seven countries report no new cases in the past seven days while 12 countries have no cases to date
20 Dec 2020	ECDC	Threat Assessment Brief: Rapid increase of a SARS-CoV-2 variant with multiple spike protein mutations observed in the United Kingdom	ECDC (Threat Assessment Brief)	<ul style="list-style-type: none"> South East England has shown a rapid increase in this new variant of the virus noted to have a reproductive number by 0,4 or an estimated increased transmissibility of up to 70% No increased infection severity has been found Testing and proper precautions are asked to be implemented

Evidence on Vulnerable Population Epidemiology

Date	Author/s	Title	Journal/ Article Type	Summary
23 Dec 2020	Jorge, A. et.al.	Temporal trends in severe COVID-19 outcomes in patients with rheumatic disease: a cohort study	Lancet (Comparative cohort study)	<ul style="list-style-type: none"> TiNetX, a large multicenter electronic health record network was used to conduct the cohort study with 8,540 COVID-19 diagnosed patients with rheumatic and musculoskeletal diseases Risks for severe COVID-19 outcomes bettered in the longer cohort but still remained substantial
23 Dec 2020	McGurnaghan, S.J., et.al.	Risks of and risk factors for COVID-19 disease in people with diabetes: a cohort study of the total population of Scotland	Lancet (Cohort Study)	<ul style="list-style-type: none"> As a whole, there are 319,349 diabetic people in Scotland, 1,082 of whom developed COVID-19 Overall risk for fatal or critical status in COVID-19 are seen to be substantially elevated for those with Type 1 and Type 2 Diabetes Mellitus

Evidence on Transmission

Date	Author/s	Title	Journal/ Article Type	Summary
21 Dec 2020	FHI	Effectiveness of targeted screening strategies in limiting COVID-19 transmission	NIPH (Rapid Review)	<ul style="list-style-type: none"> Several cross-sectional studies have been included showing unclear extent in detection of non-infectious cases and if cases are caught early enough. Therefore, further studies are needed to conclude on targeted testing and screening
22 Dec 2020	AHPPC	AHPPC Statement on New Variant of the Virus that causes COVID-19	Australian Government Department of Health (News Statement)	<ul style="list-style-type: none"> A noted variant of concern mutation was noted recently in the UK to which the country has been monitoring Currently, four noted cases of the variant is documented in Australian, equally distributed between NSW and Victoria but has not been noted to have community spread
23 Dec 2020	Birgand, G. et.al.	Assessment of Air Contamination by SARS-CoV-2 in Hospital Settings	JAMA (Systematic Review)	<ul style="list-style-type: none"> 24 cross sectional studies were included in the review with 84 out of 471 air samples tested positive for SARS-CoV-2 RNA with higher rates in intensive care units compared to non-intensive care units 17% of the air samples tested positive with 9% of cultures with viability of the virus. High viral loads were found in toilets, bathrooms, staff areas, and public hallways

Evidence on Drugs

Date	Author/s	Title	Journal/ Article Type	Summary
23 Dec 2020	CADTH	Ongoing Trials for Drugs in the Prevention and Treatment of COVID-19	CADTH (Evidence Summary)	<ul style="list-style-type: none"> Addition of Azithromycin, paracetamol, and ribaroxaban with or without ivermectin in clinical trial list with estimated completion date of early February 2021 Addition of Methylprednisolone and Fenofibrate clinical trials estimated to complete by April 2021

Evidence on Vaccines

Link to HTA Living Database: <https://bit.ly/3gOOSmG>

LAST UPDATE: 29 December 2020

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-jd66qllxnUkfzXWKqiD0mkVvgy_VvJ

ASEAN Vaccine Tracker:

<https://www.aseanbriefing.com/news/covid-19-vaccine-roll-outs-in-asean-asia-live-up-dates-by-country/>

Date	Author/s	Title	Journal/ Article Type	Summary
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Evidence on Equipment & Devices

Date	Author/s	Title	Journal/ Article Type	Summary
24 Dec 2020	Malaysia Ministry of Health	COVID-19 BREATHANALYSER Screening Tools	Malaysia MoH (Rapid Review)	<ul style="list-style-type: none"> • Several breathanalysers have been used in countries such as Finland and Singapore. The health technology shows promise in early detection of the virus in large population screening • However, with the limited studies on it, further evaluation, validation, and verification is needed

Evidence on Medical & Surgical Procedures

Date	Author/s	Title	Journal/ Article Type	Summary
18 Dec 2020	NICE	COVID-19 rapid guideline: naming the long-term effects of COVID-19	UK NICE (Rapid Guideline)	<ul style="list-style-type: none"> The guideline has been set up for the care for symptomatic people up to 4 weeks from illness. The guideline is living in that it shall be updated as new evidence appears
Updated 22 Dec 2020	CADTH	Ongoing Trials of Plasma-based therapies for the treatment of COVID-19	CADTH (Evidence Summary)	<ul style="list-style-type: none"> Update included an additional clinical trial for TY027 (humanized IgG) versus placebo expected to complete by August 2021 and currently recruiting Two trials included in the list have also been published

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
23 Dec 2020	Armstrong, S.	COVID-19: Tests on students are highly inaccurate, early findings show	BMJ (News Article)	<ul style="list-style-type: none"> Plans for community testing in the UK experienced a downturn with a sensitivity of 3% and 58% false positive findings in testing students in University of Birmingham and Universities in Scotland. Overall estimate sensitivity is computed at 3.2% according to Mr. Jon Deeks, the leader of the Cochrane Collaboration COVID-19 test evaluation activities in University of Birmingham

Evidence on Personal Measures

Date	Author/s	Title	Journal/ Article Type	Summary
Updated 24 Dec 2020	Center for Evidence-based Practice	COVID-19: Protecting Health care workers' (HCW) families at home	University of Pennsylvania (Rapid Guidance Summary)	<ul style="list-style-type: none"> Public health agencies, evidence reviews, and multi center guidances have been utilized in the review Sanitizing items prior leaving the healthcare facility and upon arrival at home, showering upon arrival, and proper distancing is recommended for health care workers

Evidence on Community Measures

Date	Author/s	Title	Journal/ Article Type	Summary
24 Dec 2020	Australian Health Protection Principal Committee	Statement on Australia's National Hotel Quarantine Principles	Australian Government Department of Health (News Article)	<ul style="list-style-type: none"> Hotel quarantine programs are still used in the country but would be under stringent approach set by the department of health Testing, screening, and surveillance is crucial for guests and staff Additional requirements are added such as tools for monitoring like CCTV and/or QR codes