

Weekly Evidence Report



Health Technology Assessment Philippines

13-19 FEBRUARY 2021

Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 13 to 19 February 2021. The HTA Unit reviewed a total of 9 studies for the said period.

Evidence includes 4 studies on Epidemiology; 0 studies on Transmission; 1 study on Drugs; 0 studies on Vaccines, 1 study on Equipment and Devices; 1 study on Medical and Surgical Procedures; 0 studies on Traditional Medicine; and 2 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The following report notes that 1 study have not been peer-reviewed, each highlighted accordingly.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
16 Feb 2021	WHO	COVID-19 Weekly Epidemiological Update	WHO (Epidemiological Report)	<ul style="list-style-type: none"> Globally, a 16% decline in new cases and 10% decline in deaths related to COVID-19 has been observed The top five countries with the highest number of cases are the following: USA, Brazil, France, Russian Federation, and the UK In the Western Pacific region, the countries with the highest number of cases and deaths are the following: Malaysia, the Philippines, and Japan
17 Feb 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"> Vietnam returned to high alert as local transmission is noted after nearly two months without local transmission cases. Thailand is set to receive its first shipment of vaccines from Sinovac to launch their vaccination program

Evidence on Vulnerable Population Epidemiology

Date	Author/s	Title	Journal/ Article Type	Summary
12 Feb 2021	Griffin, DE	Comorbidities in SARS-CoV-2 Patients: a Systematic Review and Meta-Analysis	mBio (Systematic Review)	<ul style="list-style-type: none"> 345 studies were included for full text review in the systematic review and meta-analysis Most common comorbidities include hypertension, obesity, and diabetes The meta-analysis showed that Chronic kidney disease, hypertension, and diabetes were associated with COVID-19 mortality Hypertension and Diabetes were the most common comorbidity in cases with

Date	Author/s	Title	Journal/ Article Type	Summary
11 Feb 2021	Chang, R., Elhusseiny, KM, Yu-Chang, Y., Sun, WZ	COVID-19 ICU and mechanical ventilation patient characteristics and outcomes--A systematic review and meta-analysis	Plos One (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> 28 studies were included in the review with 16 of which are peer-reviewed, 11 pre-prints, and one online report Pooled ICU admission rate was 21% [95% CI 0.12–0.34] and 69% of cases needed IMV [95% CI 0.61–0.75]. ICU mortality correlated with the following diseases: IMV [pOR 16.46, 95% CI 4.37–61.96], acute kidney injury (AKI) [pOR 12.47, 95% CI 1.52–102.7], and acute respiratory distress syndrome (ARDS) [pOR 6.52, 95% CI 2.66–16.01].

Evidence on Transmission

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

Date	Author/s	Title	Journal/ Article Type	Summary
17 Feb 2021	Kheyami, ZA et al	Systemic Steroids and Mortality Rate in Severe COVID-19 Infection: A Systematic Review and Meta-analysis	Annals of Medical and Health Sciences Research (Systematic Review and Meta-analysis)	<ul style="list-style-type: none"> 7 studies with a total of 2,583 patients were included in the review Steroids have shown usefulness for critical COVID-19 patients but efficacy and dosage have yet to be resolved

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

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Evidence on Equipment & Devices

Date	Author/s	Title	Journal/ Article Type	Summary
16 Feb 2021	Kumar, D. & Severn, M.	Respiratory Personal Protective Equipment for Female Presenting Individuals	CADTH (Technology Review)	<ul style="list-style-type: none"> No relevant literature or evidence-based guidelines were found regarding the matter

Evidence on Medical & Surgical Procedures

Date	Author/s	Title	Journal/ Article Type	Summary
16 Feb 2021	Reynolds, J.	What is the evidence for virtual early supported discharge of patients following COVID-19?	HSE (Evidence Summary)	<ul style="list-style-type: none"> Remote post-discharge monitoring may decrease the risk of hospital readmission of COVID-19 patients In Cohen et al, a cohort study, 25% of hospitalized COVID-19 patients had increased care needs at discharge Comorbidities may put patients at higher risk for adverse events post-discharge

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
16 Feb 2021	Garcia-Esquin as, E., et al	Changes in health behaviors, mental and physical health among older adults under severe lockdown restrictions during the COVID-19 pandemic in Spain	MedRxiv (Cohort study)	<ul style="list-style-type: none"> 3,041 participants\ prospective data were used from four cohorts of 65 year olds and older in Spain retrieved through questionnaires, a pre-pandemic face-to-face interview, and telephone interview Minor health behaviors were observed but with moderate mental health changes. Social isolation, poor housing, and mobility should be addressed in future lockdowns

Evidence on Community Measures

Date	Author/s	Title	Journal/ Article Type	Summary
15 Feb 2021	Desborough, J., Dykgraaf, S.H., Phillips, C., Wright, M., Maddox, R., Davis, S., Kidd, M.	Lessons for the global primary care response to COVID-19: a rapid review of evidence from past epidemics	Family Practice (Rapid Review)	<ul style="list-style-type: none"> 31 publications from 11 countries were included in the review Key lessons found were the following: improve collaboration, communication and integration between public health and primary care; strengthen the primary care system; define the role of primary care in the pandemic; protect the primary care workforce and community' and evaluate intervention effectiveness