

Weekly Evidence Report

Health Technology Assessment Philippines



16-22 January 2021

Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 16 to 22 January 2021. The HTA Unit reviewed a total of 12 studies for the said period.

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

The following report notes that 3 studies have not been peer-reviewed, each highlighted accordingly.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
20 Jan 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"> 91.8 million cases and 1.9 million deaths related to COVID-19 are recorded globally The Philippines recorded its first case of the UK variant from a traveler from UAE last January 7. Contact tracing up to the third generation shall be implemented with close contacts to be quarantined in a facility for 14 days. Those positive will undergo genome sequencing
19 Jan 2021	WHO	Weekly epidemiological update-19 January 2021	WHO (Epidemiologic Report)	<ul style="list-style-type: none"> The Philippines, Malaysia, and Japan have the highest cases for the week as the whole western pacific region showed an increase overall with cases rising by 14% and deaths by 35%

Evidence on Vulnerable Population Epidemiology

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

Date	Author/s	Title	Journal/ Article Type	Summary
21 JAN 2021	ecdc	Risk related to the spread of new SARS-CoV-2 variants of concern in the EU/EEA--first update	ECDC (Rapid Risk Assessment)	<ul style="list-style-type: none"> Based on new information on the new variant, risk associated to introduction and community spread have been raised to high/very high Increased monitoring is advised and that countries increase their capacity for screening and sequencing

Evidence on Drugs

Date	Author/s	Title	Journal/ Article Type	Summary
1 May 2020 Updated 20 Jan 2021	Ferner, RE & Aronson, JK	Drug Vignettes: Tocilizumab	CEBM (Drug Vignette)	<ul style="list-style-type: none"> REMAP-CAP preliminary results and some information from the RECOVERY trial were added Bayesian analysis of the former trial showed tocilizumab and sarilumab to be significantly better than usual care A meta-analysis was included by RECOVERY investigators where a treatment with an anti-IL6 receptor antibody reduced odds of dying when compared with usual care. (Absolute risk reduction of 4.6% and Odds Ratio 0.83 (0.66-1.04), P=0.11)
18 Jan 2021	Ferner, RE & Aronson, JK	Baricitinib	CEBM	<ul style="list-style-type: none"> An emergency use authorization (EUA) to Eli Lilly and Company for the drug is given in combination with remdesivir to treat suspected or laboratory-confirmed COVID-19 in admitted individuals 2 years of age or older who are in need of supplemental oxygen, mechanical ventilation, or ECMO

Evidence on Vaccines

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

LAST UPDATE: 22 JANUARY 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-jd66qllxnUkfzXWKqiD0mkVvgy_VvJ

ASEAN Vaccine Tracker:

<https://www.aseanbriefing.com/news/covid-19-vaccine-roll-outs-in-asean-asia-live-updates-by-count-ry/>

Date	Author/s	Title	Journal/ Article Type	Summary
20 Jan 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"> • Dr. Fauci announced that for herd immunity to occur in the USA, 85% of the population should be vaccinated • 21% of the Israeli population has been inoculated with the vaccine at a rate of 150,000 people per day • 20 vaccine candidates are being studied in Phase 3 or Phase 2/ 3, among new trials are the Phase 2/ 3 of GSK./Clover/Dynanax, and Phase 3 of Zydus

Evidence on Equipment & Devices

Date	Author/s	Title	Journal/ Article Type	Summary
14 Jan 2021	CADTH	Saliva-Based Testing as an Alternative to Traditional COVID-9 Testing Techniques	CADTH (Evidence Report)	<ul style="list-style-type: none"> There is currently unclear evidence on the accuracy of saliva-based testing but the method would make testing safer and more comfortable for HCWs and those getting tested As of early December 2020, Health Canada has not authorized the use of saliva sample testing. But, if it is offered in a lab for research purposes, authorization is not required Currently, several ongoing clinical trials are happening in Canada
20 Jan 2021	Watson, AM, et al	The Association of COVID-19 Incidence with Sport and Face Mask Use in United States High School Athletes	MedRxiv (Experimental Study)	<ul style="list-style-type: none"> Out of the 991 schools that have restarted their sports programs, 15,484 athletes on 5,584 teams became active. 2,565 cases of COVID-19 were reported with a case rate of 1,682 cases per 100,000 athletes. Incidence was lower among outdoor sports (IRR=0.78 [0.70-0.87], $p<0.001$) Face mask use were noted to have been associated with decreased incidence in girls' volleyball (IRR=0.53 [0.37-0.73], $p<0.001$), boys' basketball (IRR=0.53 [0.33-0.83], $p=0.008$), and girls' basketball (IRR=0.36 [0.19-0.63], $p<0.001$). Statistical significant results were observed in football (IRR=0.79 [0.59-1.04], $p=0.10$) and cheer/dance (IRR=0.75 [0.53-1.03], $p=0.081$)
18 Jan 2021	ECDC	ECDC rapid assessment of laboratory practices and needs related to COVID-19	ECDC (Technical Report)	<ul style="list-style-type: none"> Increased testing capacity in member states have been noted to be sufficient until end of Q1 for 2021 Rapid Antigen Detection Tests have been included in several countries' COVID-19 case definition RADTs have been noted to be used to test symptomatic persons, investigate clusters or outbreaks, screening, and sentinel surveillance

Note. Studies that have not been peer-reviewed are highlighted in red.

Back to [Sections](#) page

Evidence on Medical & Surgical Procedures

Date	Author/s	Title	Journal/ Article Type	Summary
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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
8 Jan 2021	Salaman, D.,	Returning to physical activity after covid-19	BML (News Article)	<ul style="list-style-type: none"> • A risk stratification approach to patients after covid-19 should be done • Exercise is advised only after at least 7 days of being asymptomatic and begin with at least two weeks of minimal exertion • Preliminary studies on physical activity after covid-19 shows a risk for potential cardiac injury, thromboembolic complications, and primary psychiatric phenomena

Evidence on Community Measures

Date	Author/s	Title	Journal/ Article Type	Summary
20 Jan 2021	De Castro Mendez, A., et al	<u>Overcrowding and Exposure to Secondhand Smoke Increase Risk for COVID-19 Infection Among Latinx Families in Greater San Francisco Bay Area</u>	MedRxiv (Longitudinal Cohort Study)	<ul style="list-style-type: none"> 1,875 people in 383 households were included in the study. The study included a 15-minute telephonic interview Crowding increases the risk for COVID-19 infection in Latinx families. Exposure to secondhand smoke may increase the risk for COVID-19 due to increased coughing
20 Jan 2021	Shayak, B, et al	<u>Impact of Immediate and Preferential Relaxation of Social and Travel Restrictions for Vaccinated People on the Spreading Dynamics of COVID-19: A Model-based Analysis</u>	MedRxiv (Model-based Study)	<ul style="list-style-type: none"> A delay differential equation model was used in the study Vaccines with an efficacy of 80 percent or greater showed that the people inoculated may be immediately cleared for normal life with no significant increase in case counts