

# Weekly Evidence Report



Health Technology Assessment Philippines

15 to 21 MAY 2021

## Overview

The following report presents summaries of evidence the Department of Health (DOH) - Health Technology Assessment (HTA) Unit reviewed for the period of 15 to 21 May 2021. The HTA Unit reviewed a total of 10 studies for the said period.

Evidence includes 2 studies on Epidemiology; 0 studies on Transmission; 1 study on Drugs; 1 study 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The following report notes that 1 study has not been peer-reviewed, each highlighted accordingly.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/<br>Article Type                           | Summary                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|----------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 May 2021 | WHO                              | <a href="#">Coronavirus Disease 2019 (COVID-19) External Situation Report</a>                   | WHO (Situation Report)                             | <ul style="list-style-type: none"> <li>4.8 million cases and 86,000 deaths have been reported which are at the highest levels since the start of the pandemic.</li> <li>However, a 12% and 5% decrease overall respectively were noted</li> <li>In the Western Pacific Region, a 4% increase in both cases and deaths have been noted</li> </ul>                                                       |
| 14 May 2021 | ASEAN Biodiaspora Virtual Center | <a href="#">Risk Assessment for International Dissemination of COVID-19 to the ASEAN Region</a> | ASEAN Biodiaspora Virtual Center (Risk Assessment) | <ul style="list-style-type: none"> <li>Singapore has been noting new community cases. Testing has been noted to be heightened due to this.</li> <li>The travel bubble between Singapore and Hong Kong will be reviewed in lieu of the rise in cases</li> <li>The Royal Brunei Airlines joins in the IATA initiative to use a Travel Pass app for checking COVID testing and other documents</li> </ul> |

## Evidence on Vulnerable Population Epidemiology

| Date | Author/s | Title | Journal/<br>Article Type | Summary |
|------|----------|-------|--------------------------|---------|
| ---  | ---      | ---   | ---                      | ---     |

## Evidence on Transmission

| Date | Author/s | Title | Journal/<br>Article Type | Summary |
|------|----------|-------|--------------------------|---------|
| ---  | ---      | ---   | ---                      | ---     |

## Evidence on Drugs

| Date        | Author/s        | Title                                                                                                                  | Journal/<br>Article Type                       | Summary                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------|-----------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17 May 2021 | Chen, CX, et al | <a href="#">Systematic review and meta-analysis of tocilizumab in persons with coronavirus disease-2019 (COVID-19)</a> | Leukemia (Systematic Review and Meta-analysis) | <ul style="list-style-type: none"> <li>32 studies with 11,487 participants were included in the review.</li> <li>Tocilizumab was seen to decrease the risk of death (RR=0.74 [95% CI: 0.59-0.93]) but not for the chance of ICU admissions (RR= 1.40 [95% CI: 0.64-3.06]), invasive mechanical ventilation (RR= 0.83 [95% CI: 0.57-1.22]), or secondary infections (RR=1.30 [95% CI: 0.97-1.74])</li> </ul> |

## Evidence on Vaccines

### 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/](https://vac-lshtm.shinyapps.io/ncov_vaccine_landscape/)

### ACIP Files:

[https://drive.google.com/drive/u/0/folders/1v-jd66qllxnUkfzXWKqiD0mkVvqy\\_VvJ](https://drive.google.com/drive/u/0/folders/1v-jd66qllxnUkfzXWKqiD0mkVvqy_VvJ)

| Date        | Author/s               | Title                                                                                                                                       | Journal/<br>Article Type    | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19 May 2021 | Eshun-Wilson, I, et al | <a href="#">Strategies that make vaccination easy and promote autonomy could increase COVID-19 vaccination in those who remain hesitant</a> | MedRxiv (Qualitative Study) | <ul style="list-style-type: none"> <li>• A survey was conducted among 2,895 people in the US between March 15 and 22, 2021</li> <li>• On average, ease in terms of the number of vaccines given and the frequency of visits needed for vaccination has been a priority</li> <li>• Control aversion was also noted to increase vaccine hesitancy especially among the young African American/Black or Republicans.</li> <li>• Providing ease and autonomy in the masses was found to be elements that could decrease vaccine hesitancy</li> </ul> |

## Evidence on Medical and Surgical Procedures

| Date        | Author/s          | Title                                                                                                              | Journal/<br>Article Type                                 | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 May 2021 | Hampson, G, et al | <a href="#">Diagnosis and Management of Osteoporosis During COVID-19: Systematic Review and Practical Guidance</a> | Calcified Tissue International (Systematic Review)       | <ul style="list-style-type: none"> <li>• 36 studies were included in the review</li> <li>• New recommendations have been made to continue the monitoring and delivery of healthcare for osteoporosis patients such as remote consultations, telehealth medicine, and better coordination between primary and secondary care</li> </ul>                                                                                                                                                                                |
| 18 May 2021 | Dhar, D., et al   | <a href="#">Systemic inflammatory syndrome in COVID-19 SISCOV study: systematic review and meta-analysis</a>       | Pediatric Research (Systematic Review and Meta-analysis) | <ul style="list-style-type: none"> <li>• 18 studies with 833 publications were included</li> <li>• The following findings were noted: higher gastrointestinal symptoms (84.3%), myocarditis (61.8%), left ventricular dysfunction (45.0%), pericardial symptoms (31.0%), and neurological symptoms (22.9%)</li> <li>• A sensitivity of 65.8% compared to RT-PCR testing at 36.4% were noted as well</li> <li>• Early diagnosis and treatment is crucial once the constellation of symptoms have been noted</li> </ul> |

## Evidence on Equipment & Devices

| Date        | Author/s  | Title                                                                               | Journal/<br>Article Type | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|-----------|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17 May 2021 | Clark, M. | <a href="#">At-Home Testing for Severe Acute Respiratory Syndrome Coronavirus 2</a> | CADTH (Horizon Scan)     | <ul style="list-style-type: none"> <li>• Certain at home test kits have been given authorization in Canada and the US. However, Antigen test kits have not been as frequently utilized as other tests</li> <li>• Human error still poses as the main concern with testing done outside a laboratory</li> <li>• Providing the people with more frequent test results despite lower sensitivity may better the behavior of people in such that a compliance</li> </ul> |

## Evidence on Traditional Medicine

| Date | Author/s | Title | Journal/<br>Article Type | Summary |
|------|----------|-------|--------------------------|---------|
| ---  | ---      | ---   | ---                      | ---     |

## Evidence on Preventive & Promotive Health

### Evidence on Screening

| Date | Author/s | Title | Journal/<br>Article Type | Summary |
|------|----------|-------|--------------------------|---------|
| ---  | ---      | ---   | ---                      | ---     |

### Evidence on Personal Measures

| Date        | Author/s                | Title                                                                                                                                                                   | Journal/<br>Article Type                      | Summary                                                                                                                                                                                                                                                                                                                         |
|-------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14 May 2021 | HSE                     | <a href="#">Do men between the ages of 18-65 years of age with depression experience difficulty accessing mental health services and support?</a>                       | HSE (Evidence Summary)                        | <ul style="list-style-type: none"> <li>Gender roles and the conformity with a preconceived notion of masculinity is a barrier to men with depression for accessing mental health services and support</li> <li>General practitioners may help in addressing and acknowledging experiences of depression and anxiety.</li> </ul> |
| 15 May 2021 | Campbell, H, & Wood, AC | <a href="#">Challenges in Feeding Children Posed by the COVID-19 Pandemic: a Systematic Review of Changes in Dietary Intake Combined with a Dietitian's Perspective</a> | Current Nutrition Reports (Systematic Review) | <ul style="list-style-type: none"> <li>38 studies were included in this review</li> <li>The studies were described as low quality wherein children were not fully represented</li> <li>No conclusions were made from the included studies</li> </ul>                                                                            |

### Evidence on Community Measures

| Date        | Author/s | Title                                                                                                                                                                                   | Journal/<br>Article Type            | Summary                                                                                                                                                                                                                                                                                                                     |
|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14 May 2021 | NIPH     | <a href="#">Scandinavian research about the consequences of COVID-19 on welfare, equality, social conditions, and quality of life: systematic literature search with categorisation</a> | NIPH (Systematic Literature Search) | <ul style="list-style-type: none"> <li>81 studies were included in the systematic search.</li> <li>59% are cross-sectional studies and 25% involved the youth with a varied array of topics</li> <li>None have been reviewed in full text but the sources have been categorized by type based on study abstracts</li> </ul> |