

Peer Review Report

Review Report on Development of the United States Environmental Protection Agency's Facilities Status Dashboard for the COVID-19 Pandemic: Approach and Challenges

Original Article, Int J Public Health

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EVALUATION

Q 1 Please summarize the main findings of the study.

Good summary of EPA's facility status information about COVID-19 related information such as indicators of symptoms, case, test and capacity, using newly developed dashboard. And also this paper describes the reason why this kind of dashboard is needed including limitation of CDC information.

Q 2 Please highlight the limitations and strengths.

Again, it is good to provide EPA's facility status information using web based easy-access system. But, there is no sophisticated visualized information in this system. Looks like only signal type information (red, yellow and green). In addition, there is not much function to overlay those information with available GIS information.

Q 3 Please provide your detailed review report to the authors. The editors prefer to receive your review structured in major and minor comments. Please consider in your review the methods (statistical methods valid and correctly applied (e.g. sample size, choice of test), is the study replicable based on the method description?), results, data interpretation and references. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

It is good paper to justify the needs of this kind of dashboard using web based system. However, for me, it is difficult to understand how to evaluate this system's usefulness such as improve risk mitigation to access EPA's facilities by EPA's and essential social workers.

In addition, I wonder how to linkage with GIS system to overlay information shown in table 1. I believe that it is very important to show not only table 1 information but also socio information and human moving information on GIS.

For me, unfortunately, it is very difficult to understand the scientific outcome of this EPA's facilities dashboard development. Maybe, it is not advanced scientific research paper but it maybe also good to show why we need this kind of dashboard to promote socio-economic scientific research.

PLEASE COMMENT

Q 4 Is the title appropriate, concise, attractive?

Yes, it is attractive.

Q 5 Are the keywords appropriate?

Yes

Q 6 Is the English language of sufficient quality?

Yes

Q 7 Is the quality of the figures and tables satisfactory?

Yes.

Q 8 Does the reference list cover the relevant literature adequately and in an unbiased manner?)

Yes

QUALITY ASSESSMENT

Q 9 Originality



Q 10 Rigor



Q 11 Significance to the field



Q 12 Interest to a general audience



Q 13 Quality of the writing



Q 14 Overall scientific quality of the study



REVISION LEVEL

Q 15 Please make a recommendation based on your comments:

Major revisions.