

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 58509

Title: National preparedness survey of pediatric intensive care units with simulation centers during the coronavirus pandemic

Reviewer's code: 05385069

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoctoral Fellow, Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: United States

Manuscript submission date: 2020-08-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-08-15 04:28

Reviewer performed review: 2020-08-15 04:30

Review time: 1 Hour

Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input checked="" type="radio"/>] Yes [<input type="radio"/>] No
Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No



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SPECIFIC COMMENTS TO AUTHORS

The data of this manuscript are very interesting and can help the scientific groups in covid-19 related issues.

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 58509

Title: National preparedness survey of pediatric intensive care units with simulation centers during the coronavirus pandemic

Reviewer's code: 05418778

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: India

Author's Country/Territory: United States

Manuscript submission date: 2020-08-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-08-21 10:00

Reviewer performed review: 2020-08-26 02:51

Review time: 4 Days and 16 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The paper titled “A National US Survey Of Pediatric Intensive Care Units Coronavirus Pandemic Preparedness” conducted a cross-sectional multicenter national survey of PICU medical director’s across Children’s hospitals in the United States. An established team of researchers designed and analyzed the survey. The survey was conducted between May and June 2020 via E-mail. The survey included 49 questions in multiple parts focusing on six themes. The works show its originality, however: • Spelling mistakes and grammatical error throughout the paper, it needs comprehensive revision. Overall, the work need proof reading. • Tables and references need major re-structure/revision. • Technical support to the studies was not strong enough. • 22 individual survey responses were not enough to make conclusion addressing such Six important theme. • Abstract need major modification, considerable information should be given.

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 58509

Title: National preparedness survey of pediatric intensive care units with simulation centers during the coronavirus pandemic

Reviewer's code: 00503601

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Singapore

Author's Country/Territory: United States

Manuscript submission date: 2020-08-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-09-15 02:56

Reviewer performed review: 2020-09-15 04:05

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This is an interesting survey of PICUs in the US and their responses to the COVID-19 pandemic. The limitations of this study have been appropriately highlighted by the authors in the discussion section. The main limitation would be the way the survey sites were chosen which is linked to a research group started in 2013 studying acute care in paediatrics with special interest in simulation which is primarily an ED type grouping, hence an indirect email forwarding to PICU directors which could explain the response rate of only 63% and also selects a specific segment of hospitals. Otherwise it is an interesting survey that provides a snapshot view of how PICU directors are handling the situation in the US.

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 58509

Title: National preparedness survey of pediatric intensive care units with simulation centers during the coronavirus pandemic

Reviewer's code: 00742209

Position: Editorial Board

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United States

Author's Country/Territory: United States

Manuscript submission date: 2020-08-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-09-11 16:56

Reviewer performed review: 2020-09-17 16:05

Review time: 5 Days and 23 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The authors are appreciated for submitting their manuscript to the Journal for review. Some comments and suggestions regarding the manuscript are provided to the authors in the below section, and these items will enhance the quality of manuscript. Please review the manuscript for typographical (e.g., interprofessional in paragraph one of the discussion) and grammatical errors, such as run on sentences (e.g., see paragraph two in the introduction), and style (e.g., see “the United States” in paragraph three in the introduction). In addition, replace the word “study” with “survey,” and delete the word “diverse” throughout the manuscript.

1. Authors should revise the title to “ A national survey of pediatric intensive care units with simulation centers on preparedness during the coronavirus pandemic” because participants in ImPACTS were included in the survey. There were about +400 PICUs in the United States reported in 2001 (PMID 15805338), and the participants in the survey reported in this manuscript accounted for a small proportion of all PICUs in the country. On the same topic, authors should clarify all references in the manuscript regarding national PICU to PICU with simulation education in the United States (e.g., paragraphs two and four in the discussion).
2. In the abstract, authors should clarify in the aim that PICUs were participants in a simulation-based network
3. in the manuscript, authors should spell out numbers that start a sentence.
4. In the abstract, authors should ddelete “significant” and report the percent decrease in non-Covid patients who were admitted to the PICUs.
5. In the abstract, authors should clarify in the results whether the staff patient ratio increased or decreased by 50%
6. In the abstract, authors should combine into one sentence the two sentences about teaching modalities (hands-on, video-based, simulation-based) that appear in the results (also see Table 2d, item 6)
7. In the core tips, authors should delete “snapshot” and replace “first months” with “early months.” In addition, replace

“and limiting personnel” with “and procedures to limit personnel’s exposure to the contagion.” 8. In the introduction paragraph one, authors can include therapeutic modalities that require PICU care, such as respiratory and hemodynamic support, and ECMO for refractory hypoxemia or hypotension (PMID 32634818). 9. In the methods, authors should clarify which IRB among the participating centers reviewed the ethical handling of the data presented in the manuscript. 10. In the methods, authors should clarify “face and content” in paragraph three. 11. In the methods, authors should delete the section on statistical analysis because the data was not presented in the manuscript. 12. In the results, authors should present the geographic distribution of the centers by region that participated in the survey. 13. In the discussion, authors should review the reasons that members of the training staff, such as medical students, were not permitted to participate in the care of COVID patients. 14. In the discussion, authors should review if visitors were restricted from the PICU and how it was managed during the early months of the pandemic. In addition, how were social services and chaplain services managed at the PICU? 15. In the discussion, authors should replace “between PICUs” with “among PICUs” in paragraph five. 16. In the tables, authors should define the significant digits when reporting the percent . 17. In table one, revise the heading for the line item number of pediatric beds per institution because it is not consistent with the data. For example, the value 4 is not the number of pediatric beds per institution. Four is the number of institutions by bed capacity or resource. 18. In table 2d, authors should define “in situ.”

PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 58509

Title: National preparedness survey of pediatric intensive care units with simulation centers during the coronavirus pandemic

Reviewer's code: 03478911

Position: Editorial Board

Academic degree: PhD

Professional title: Chief Technician, Executive Vice President, Research Assistant Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: United States

Manuscript submission date: 2020-08-14

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-09-11 09:58

Reviewer performed review: 2020-09-18 01:56

Review time: 6 Days and 15 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors surveyed the allocation of medical resources to top-priority patients, including the pediatric population due to the 2019 coronavirus disease epidemic in US. Although this survey well suggested a flexible plan for healthcare services, the description of the clinical benefits and optimal service directions that can be obtained from this survey is missing. This part must be supplemented.