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# Evaluating the Performance of Health Supply Chains Using Network Data Envelopment Analysis Model Under Uncertainty Conditions in Selected Tehran Hospitals

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#### 1. Round 1

#### 1.1. Reviewer 1

Reviewer:

Clearly articulate the challenges or gaps in existing evaluations of health supply chain performance, especially under uncertainty conditions.

Highlight specific issues faced by Tehran hospitals that make the study particularly relevant and timely.

Include a synthesis of how previous research has approached similar problems, the limitations of existing methodologies, and how this study proposes to advance the field.

The document's title suggests the use of a Network Data Envelopment Analysis (NDEA) model under uncertainty conditions, but the methodology is not detailed in the provided text. Describe the NDEA model's structure, the data sources, and how uncertainty is modeled and incorporated into the analysis. Clarify how this approach is suited to address the identified challenges in evaluating health supply chain performance.

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Authors revised the manuscript.

## 1.2. Reviewer 2

#### Reviewer:

A key contribution of this study could be its approach to dealing with uncertainty in health supply chains. Elaborate on the types of uncertainty considered (e.g., demand variability, supply disruptions) and discuss how the model helps in making more robust decisions under such conditions.

The conclusion should succinctly summarize the key findings and their implications for healthcare management and policy. Outline the practical benefits of using the NDEA model for hospital administrators and policymakers, emphasizing improvements in supply chain efficiency and patient care.

The study opens up avenues for further exploration. Identify potential limitations of the current study and propose future research directions, such as extending the model to other types of hospitals or incorporating additional dimensions of supply chain performance.

Authors revised the manuscript.

## 2. Revised

Editor's decision: Accepted.

Editor in Chief's decision: Accepted.

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