



香港社會醫學學院
HONG KONG COLLEGE OF COMMUNITY MEDICINE
founder College of the Hong Kong Academy of Medicine
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ADMINISTRATIVE MEDICINE

Part I Examination

Thursday 6 June 2024

10:30 – 13:00 (2½ hours)

Paper IIA

Candidates must answer all parts of these questions

Style, clear grammatical English and legibility will be taken into consideration by the Examiners. Answers should be written in a form appropriate to the audience specified in the question.

The weighting of marks for each part of the question is shown in parentheses.

**DO NOT OPEN THE PAPER UNTIL THE
INVIGILATOR INSTRUCTS YOU TO BEGIN**

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Referring to the article: Goh, O. Q., Xin, X., Lim, W. T., Tan, M. W., Kan, J. Y., Osman, H. B., ... & Graves, N. (2023). Economic Evaluation of Novel Models of Care for Patients with Acute Medical Problems. JAMA Network Open, 6(9), e2334936-e2334936., please answer the following questions (**Total 100 marks**).

1. This is a cost-minimization study. What other economic evaluation methods do you know and how do they differ from the cost-minimization study? Why did the authors choose to conduct a cost-minimization study instead of a cost-effectiveness study? (**15 marks**)
2. What is TDABC in the context of this research? What factors were considered in the cost analysis? What factors were NOT considered in the cost analysis which might limit the validity of the study? (**15 marks**)
3. On the selection of patient types and medical care models, the authors chose two conditions that were non-severe, predictable, and unlikely to have adverse outcomes. What are the potential biases in selecting these two types of patients? What are “ambulatory care sensitive conditions” and do the two selected conditions fall under this? (**10 marks**)
4. Can the new models of care be extended to other types of patients or conditions? What are the conditions for extending to other conditions? (**10 marks**)

QUESTION CONTINUES

5. The authors pointed out the uncertainties in the cost estimates as stemming from the variability in time estimates for tasks. How were they taken into account in the study? What are the advantages and disadvantages of TDABC? **(12 marks)**

6. In the HaH model, there was an increase in the medical personnel time. What are the reasons behind the increase, and what are the implications? **(10 marks)**

7. In the ACT Model, how does it compare with (a) the Emergency Ward Model in Hong Kong public hospitals; and (b) the co-located Primary Care Clinic beside Emergency Departments? **(10 marks)**

8. For scaling up of the new models, how would the national cost estimates be calculated? What factors might affect the estimates of national cost savings? **(8 marks)**

9. The new models were introduced during the Covid-19 pandemic. To sustain the models after the pandemic, what are the sustainable benefits? How feasible are the models be introduced in Hong Kong? **(10 marks)**

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