

Measures to Guide The Distribution of Internal Medicine Physician

A RAPID REVIEW PROTOCOL

PREPARED FOR REGISTRATION

SUBMITTED: 23RD AUGUST 2022

Clinical Research Centre (CRC)

Contact:

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REVIEW TITLE AND TIMESCALE

1. Review title:

Measures to Guide The Distribution of Internal Medicine Physician

2. Anticipated or actual start date:

15 August 2022

3. Anticipated completion date:

30 November 2022

4. Stage of review at time of time submission:

This review has not yet started

5. Named contact

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9. Organisational affiliation of the review

Clinical Research Centre (CRC) Hospital Sultanah Bahiyah, Setar, Kedah

10. Review team member, knowledge user panel members, and their organisational affiliations.

[Give the title, first name, last name, role and organisational affiliations of each individual.]

First name	Last name	Credentials	Role	Affiliation
Khairul Azlan	Abdul Aziz	MBBS, MMed	Research Coordinator	Jabatan Perubatan, Hospital Teluk Intan
Mohd Azri	Mohd Suan	MBBS, MSc	Principal Investigator	Clinical Research Centre (CRC),

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				Hospital Sultanah Bahiyah
Rosilawati	Abdul Rani	MB,MPH	Research Coordinator	Clinical Research Centre (CRC), Hospital Taiping
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Shahrul Aiman	Soelar	BSc, MSc	Research Coordinator	Clinical Research Centre (CRC), Hospital Sultanah Bahiyah
Nur Anisah	Md Anuar	BSc	Research Assistant	Clinical Research Centre (CRC), Hospital Taiping

11. Funding sources/sponsors

Self-funding

12. Conflicts of interest

The researchers declare there is no conflict of interest

13. Review question(s):

Lack of standardization and justification in physician distribution in Malaysia

14. Literature search:

Using PUBMED and EMBASE OVID for search strategy by reviewing all the published journals, books, guideline etc to find the methods to distribute physicians.

15. Condition or domain being studied:

- Equity in physician distribution

16. Participants/Population:

Physician/Medical specialist

17. Intervention(s)/Exposure(s):

Not relevant

18. Comparator(s)/Control:

No comparator group

19. Types of Study

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Primary and secondary studies

20. Context:

Methods used in other countries for fair physician distribution

21. Primary outcome(s):

Measures to guide distribution of internal medicine physician

22. Secondary outcome(s):

Variables involved to measure distribution of internal medicine physician

23. Data extraction (selection and coding):

Study Selection – We will pilot test study selection using eligibility criteria on 10% of the identified citations. Each individual citation (title and abstracts) will be screened independently and each individual article full text screening and abstraction will be done by two reviewers. Revision of eligibility criteria will be done if necessary and uncertainties will be clarified by a third member. Verification will be done by a third member on 10% of citations.

Data Abstraction – A data abstraction form will be created with pre-defined eligibility criteria, including other supportive information that can help contextualization of findings. The form will be piloted on 10 documents among 3 reviewers. Data abstraction of the included documents will be done independently by 2 reviewers. Verification of 10% of data abstraction of each reviewer will be done by a third reviewer.

24. Risk of bias (quality) assessment:

Risk of bias assessment not done

25. Strategy for data synthesis:

Narrative knowledge synthesis will be produced on relevant evidence.

Conclusion, recommendation or implication for policy will be developed with additional stakeholder involvement.

26. Analysis of subgroup or subsets:

Any subgroup analysis will be conducted if deemed appropriate by the team.

27. Type of review

Select one of the following:

Review Type

Scoping review ☐

Rapid review ☒

Systematic review ☐

Other: _____ ☐

28. Language

English

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29. Country

Malaysia

30. Other registration details

This proposal will be submitted and registered with the National Medical Research Register (NMRR) to obtain approval from the Medical Research Ethics Committee (MREC), Ministry of Health, Malaysia.

31. Reference and/or URL for published protocol

Not relevant

32. Dissemination plans:

Final Deliverables:

Presentation of review findings and final report.

Do you intend to publish the review on completion?

Yes ☒

No ☐

33. Keywords

Distribution, allocation, placement, planning, equity, fairness, tool, method, index, physician, doctor, specialist, subspecialist

34. Details of any existing review of the same topic by the same authors.

Not relevant.

35. Current review status

Not started yet.

36. Any additional information:

None

37. Details of final report/publication(s):

[This field should be left empty until details of the completed review are available. Give the full citation for the final report or publication of the systematic review. Give the URL where available.]

Additional information

38. Physician Distribution

Physician distribution refers to the allocation and transfer of human resource to a health department of healthcare facility. The distribution of physician should focus on ensuring the healthcare of the local community as well as improving quality of life.

39. How will the review be used to address the issue?

At the moment, no one fixed method that can be used as a guide to distribute a physician to a location. In Malaysia, Workload Indicator Staffing Needed (WISN), is used to report on the need of healthcare workers in

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a facility. This indicator is based on workload burden which obviously defer from one hospital to the other. This review will help to find the best method to be used cut across the whole country.