

Survey Questions for ISPOR Members Knowledge of and Interest in Open Source Models (OSM) for Health Economic Decision-Making

Open source models (OSMs) are those for which all data and programming associated with the model are made openly available to enhance transparency and, perhaps, facilitate replication and ongoing modifications of the model. OSMs have the potential to enhance the acceptance of model-based cost-effectiveness analyses and allow for faster access to critical knowledge. ISPOR has developed numerous guidances in the field and is well-positioned to explore these ideas via the Open Source Model Special Interest Group (SIG). To be able to effectively examine and address concerns on many of these issues, we have initiated this survey and would be grateful if you would complete it.

1. How familiar are you with the following aspects of open source models (OSMs)?

	Very familiar	Somewhat familiar	Not at all familiar
Their technical specifications			
Practical challenges for their development			
Secondary use of existing OSMs			
Barriers to their wider adoption			

2. To what extent do you agree or disagree with the following statements about OSMs?

	Strongly agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Strongly disagree
They improve transparency in healthcare modeling					
They improve efficiency in healthcare modeling					
They facilitate model updating/recycling using different data sources, perspectives, etc.					

They promote confidence in using healthcare models in decision making					

3. How important do you consider each of the following indicators that OSMs may be useful in healthcare decision making?

	Very important	Somewhat important	Neutral	Not very important	Not at all important
There are several private or public/private partnerships that support development of OSMs.					
NICE and other influential bodies that advise country health technology assessment (HTA) authorities require and use open-source and other models as the basis of their reimbursement decisions.					
Increasing influence of the Institute of Clinical and Economic Review proprietary models on pricing and coverage decisions in the US healthcare system					
They promote transparency, access and efficiency of model construction and underlying data.					

4. How important do you consider each of the following potential uses of OSMs?

	Very important	Somewhat important	Neutral	Not very important	Not at all important
In support of HTA decision making regarding reimbursement					
As the basis for development of “new” models, e.g., with changes in structure or use of data to update the science underlying the models					
During the peer review process for manuscripts based on models					
To aid in formulary decisions					
Reduce redundancies and wastage of resources in evidence development					
To increase the reliability of models					

5. How important do you consider each of the following potential barriers to the development and use of OSMs?

	Very important	Somewhat important	Neutral	Not very important	Not at all important
Legal concerns					
Need for remuneration to innovator					
Lack of Interest from developers					
Lack of interest from decision-makers					
Insufficient confidentiality/security					
Lack of storage facilities					
Ability to transfer underlying/related data					
Updatability of models					
Model platforms/”language”					

in which model was built					
Need for broad access					
Concerns about their generalizability					

6. Do you think development of an OSM interactive repository is a good idea?
Yes/no/unsure

If answered no, you skipped to answer 8

7. How important do you consider the following reasons for development of an OSM interactive repository:

	Very important	Somewhat important	Neutral	Not very important	Not at all important
Increase availability of models					
Facilitate the transaction/ability to procure the model					
The novelty					
Significant improvement to healthcare decision making					
Other: please elaborate:					

8. How important do you consider each of the following issues, which could be the subject of a webinar or conference session on the topic of OSMs?

	Very important	Somewhat important	Neutral	Not very important	Not at all important
Legal concerns					
Remuneration to innovator					
Confidentiality/security					
Storage					
Use of multiple underlying data sources					
Updatibility of models					
Model platforms/"language" in which model was built					
Other: please elaborate:					

9. Please share any other topics or comments you have below:

10. In what healthcare sector/setting are you primarily engaged?

- a. Academia
- b. Managed Care/Pharmacy Benefit Manager
- c. Clinical Practice/Hospital
- d. Patient Representative
- e. Health Research/Consulting
- f. Government/HTA Agency/Nonprofit
- g. Industry/Pharmaceutical/Medical Device/Diagnostic
- h. Health Care Communications
- i. Biotech
- j. Student
- k. Other: please elaborate: _____

11. If you interested in becoming a member of the Open Source Models Special Interest group, please provide:

Name

Email address

Reason for interest in this SIG

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