Evidence-Based Decision Making In Healthcare

Evidence to Decision Scenarios

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Overview of GRADE Approach

1. Frame a question

2. Choose critical and important outcomes

3. Rate the confidence in effect estimates for each outcome

4. Rate the confidence in effect estimates across all outcomes

Overview of GRADE Approach

5. Create an evidence profile and a summary of findings table

6. Describe other factors – affordability, acceptability, feasibility, ethics, and values

7. Categorize, label, and word health care recommendations based on evidence and other factors

Questions to Ask

1. Is the problem a priority?

2. Is there important uncertainty about how much people value the outcome?

3. What is the overall certainty of the evidence of effectiveness?

4. How substantial are the [un]desirable anticipated effects?

Questions to Ask

5. Do the desirable effects outweigh undesirable effects?

6. Is it acceptable to key stakeholders? (acceptability)

7. Is it feasible to implement? (feasibility)

8. How large are resource requirements? (affordability)

9. How large is incremental cost vs. net benefit? (affordability)

10. What would be the impact on health inequities?How does it align with our values? (ethics and justice)

Should the US adopt a universal health insurance system to increase life expectancy compared to the current system?

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3. What is overall certainty of evidence of effectiveness?
4. How substantial are desirable effects?
5. Do the desirable effects outweigh undesirable?
6. Is it *acceptable* to key stakeholders?
7. Is it *feasible* to implement?
8. How large are resources required? (affordability)
9. Incremental cost vs. net benefit? (affordability)
10. What would be impact on inequities? Does it align with our values? (ethics & justice)

In the United States, should the government set the price of insulin to a level that is affordable to all Americans to reduce diabetes-related illness compared with current policy of no price controls?

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In New York City, should government involuntarily hospitalize people who are unhoused and have severe mental illness to improve their mental health and reduce violent crime compared with current policy?

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In the United States, should the government impose a tax on sugar-sweetened beverages to reduce consumption of beverages linked to obesity and diabetes compared with no current tax?

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In New York State, should public elementary schools allow parents to opt-out of their children being vaccinated against measles to reduce vaccine-related harms compared with current policy?

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In the United States, should government restrict social media access to teenagers to reduce anxiety and depression among children compared with current policy?

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In the United States, should government require that health insurance programs re-imburse telehealth services at the same rate as in-person services to improve access to healthcare services?

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In the United States, should the government prevent adults from purchasing cannabis products for recreational use to reduce mental health complications of cannabis?

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In the US, should government restrict advertising of tobacco products on television to reduce tobacco-related illness in adults?

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[insert your question]

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Should all health insurance plans be required to provide comprehensive dental coverage?

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Should public schools only provide non-meat (vegetarian or vegan) food options?

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Should seatbelts be mandated for all passengers to wear in cars?

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