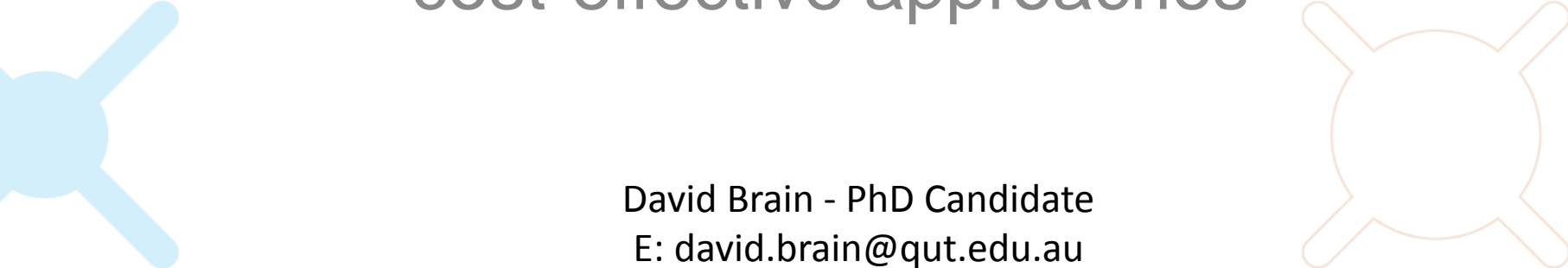




Costs matter too

Managing *Clostridium difficile* with
cost-effective approaches

David Brain - PhD Candidate
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Why have I undertaken this project?

- It's not for the money
- It's not because it is easy



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What don't we know?

- The most CE approach to managing *Clostridium difficile*
- Where the value in the work on the ground actually lies





In the spotlight



Scrutiny --- Critical Review --- Change (?)



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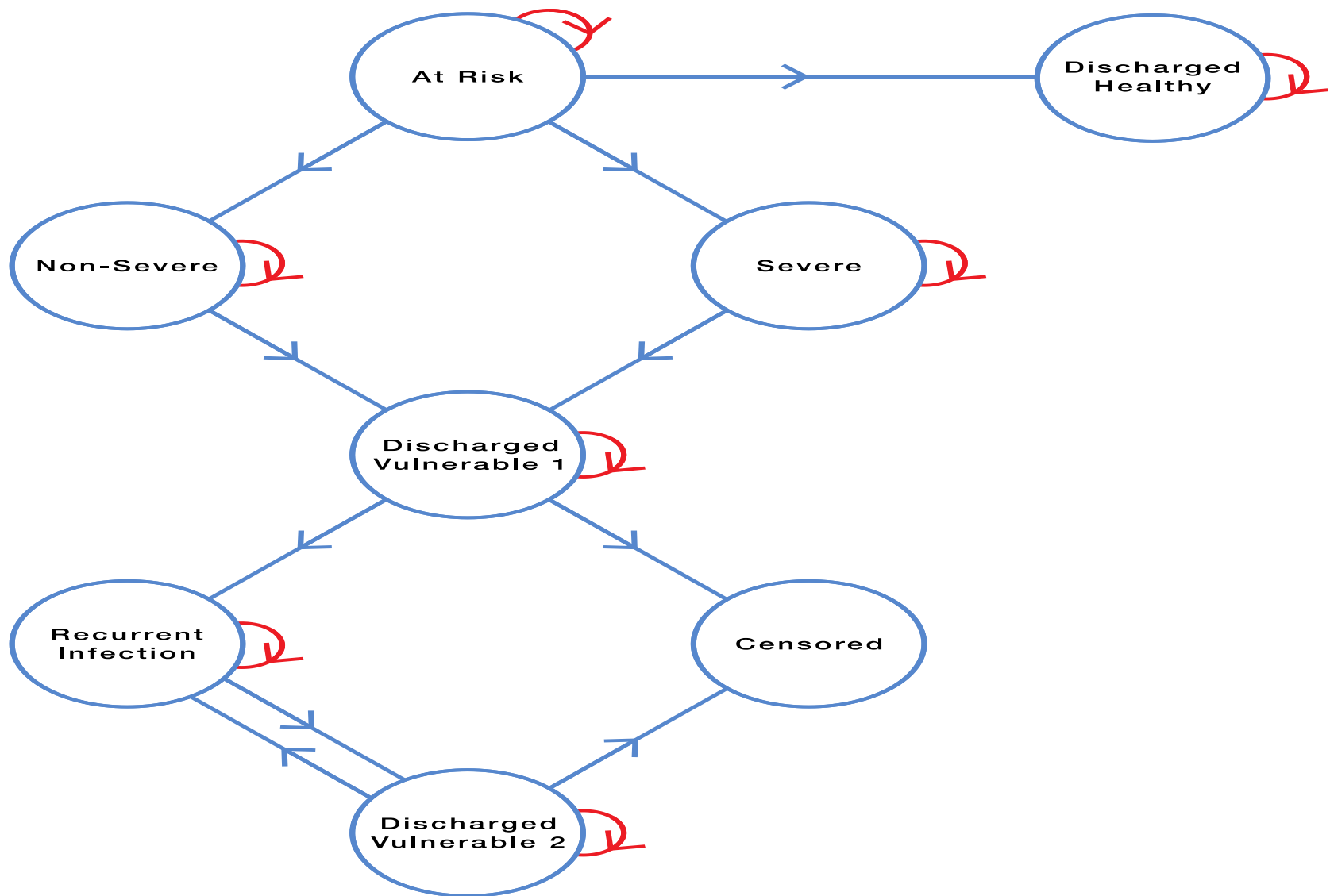
How does health economics fit?



- Powerful tool to show evidence of value
- Follows an agreed, rational framework for decision-making



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Which interventions?

- Start by comparing to 'usual care'
- Stand-alone and bundled interventions
- Plan to compare 9 interventions in total



Costing methods

- Infection costs
 - Diagnosis
 - Treatment
 - Recovery
- Intervention costs
 - Staff
 - Equipment
 - Consumables



Effectiveness estimates



Charlie soon learned that a smile is not a very effective umbrella.

- Derived from Yakob et al
- Long standing collaboration



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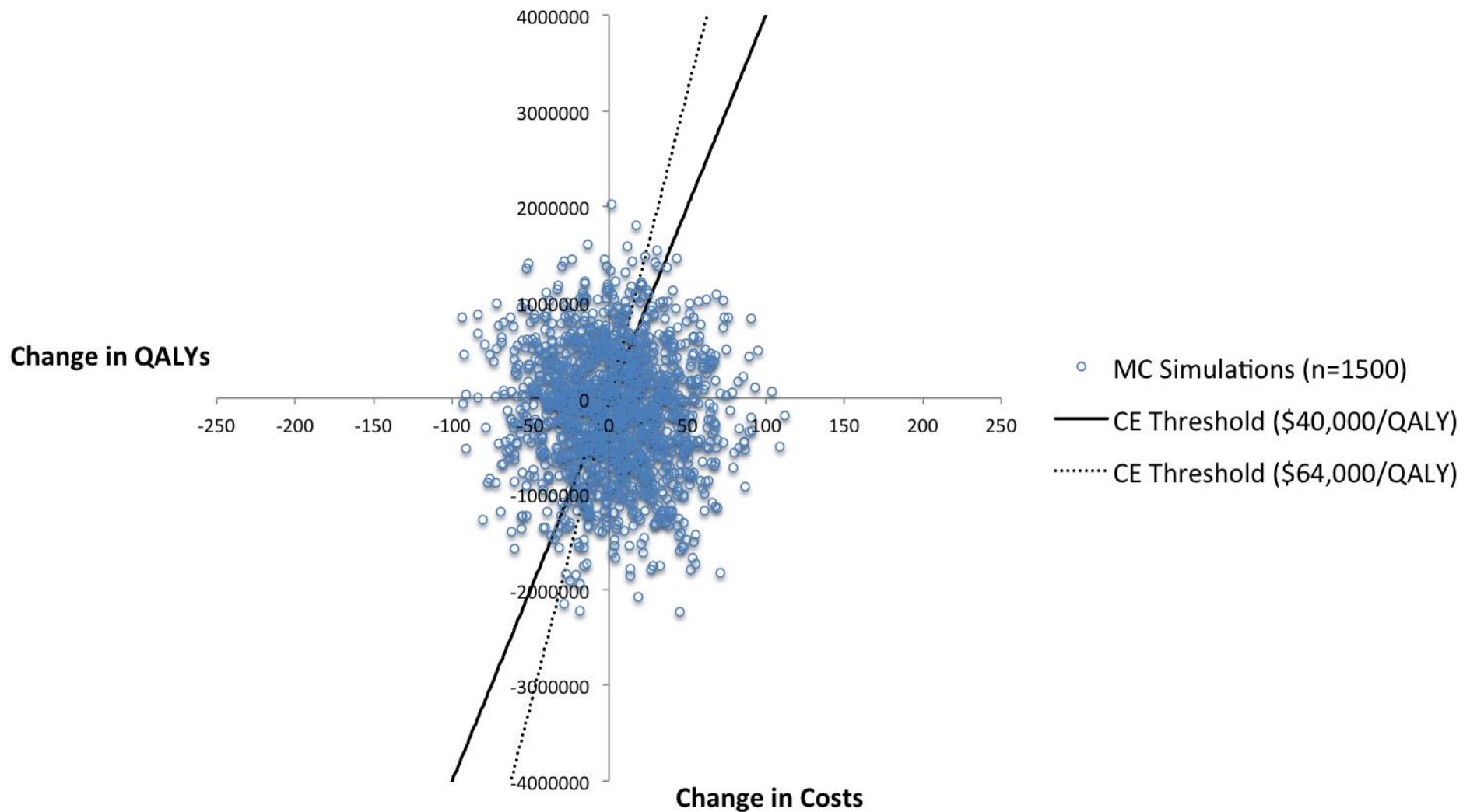
Results

- Preliminary
- Unpublished

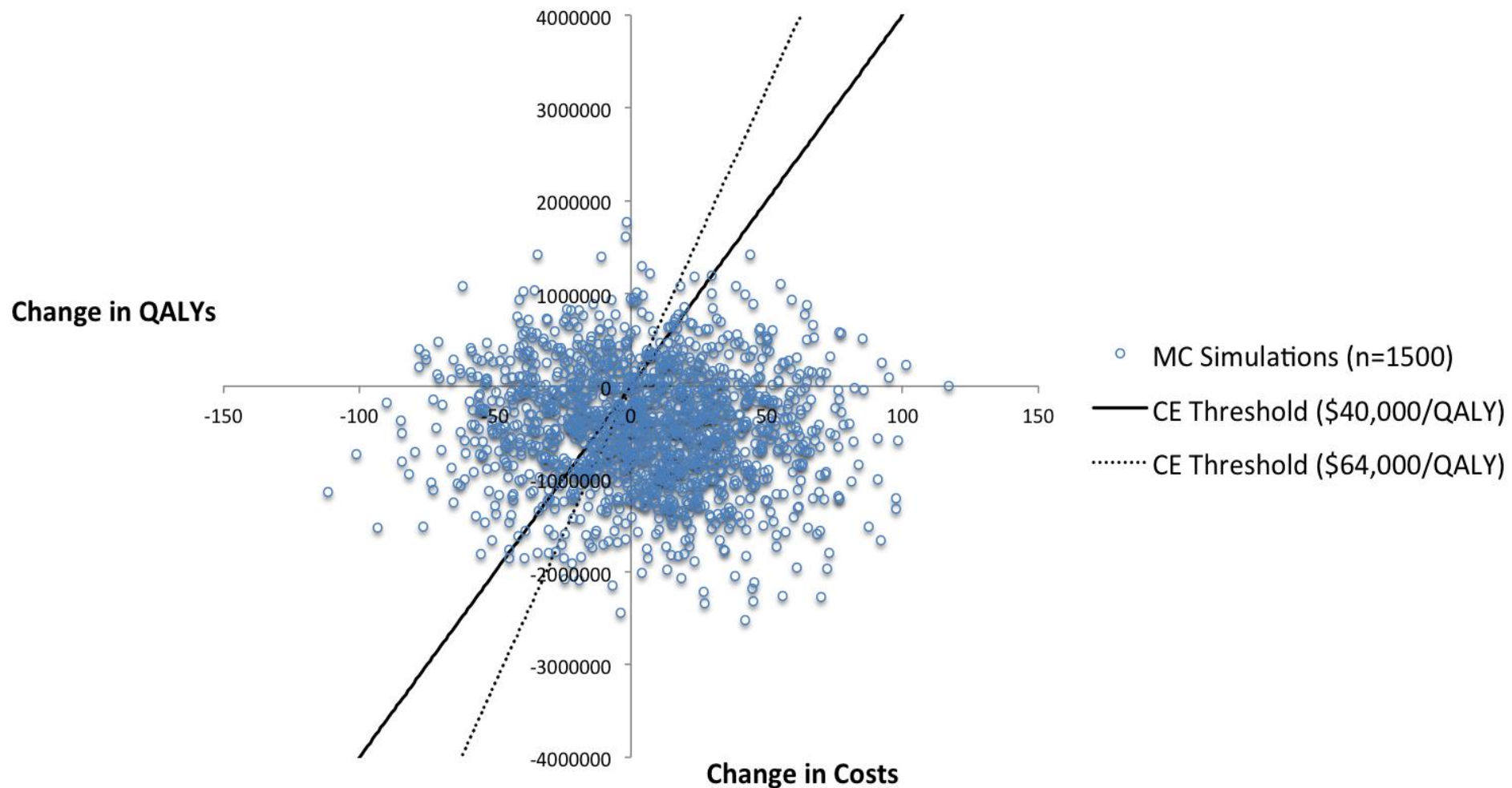


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ICER cloud - Std Care vs AMS (10% less patients exposed to ABs)

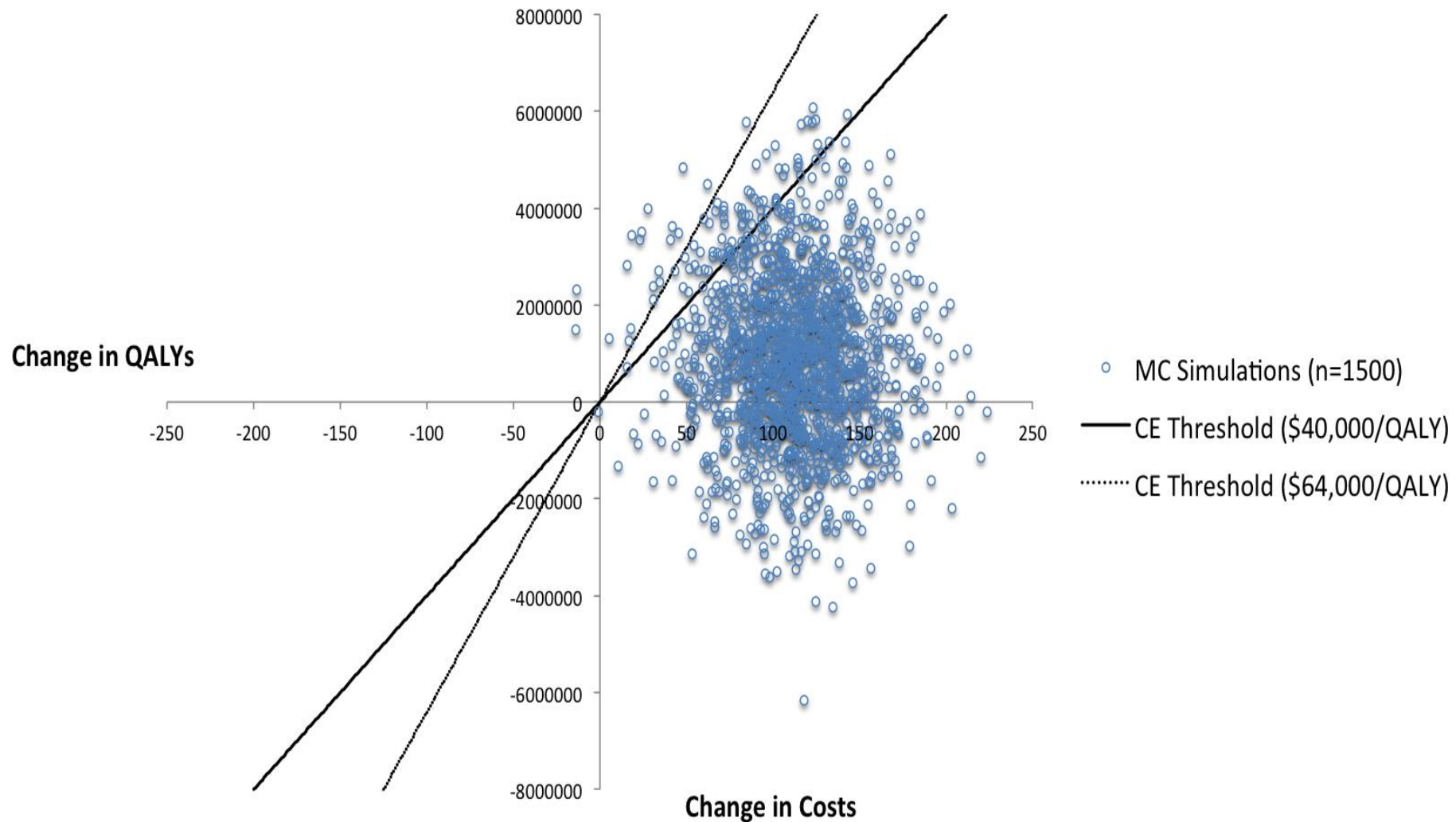


ICER cloud - Std Care v AMS (50% reduction in patients exposed to ABs)

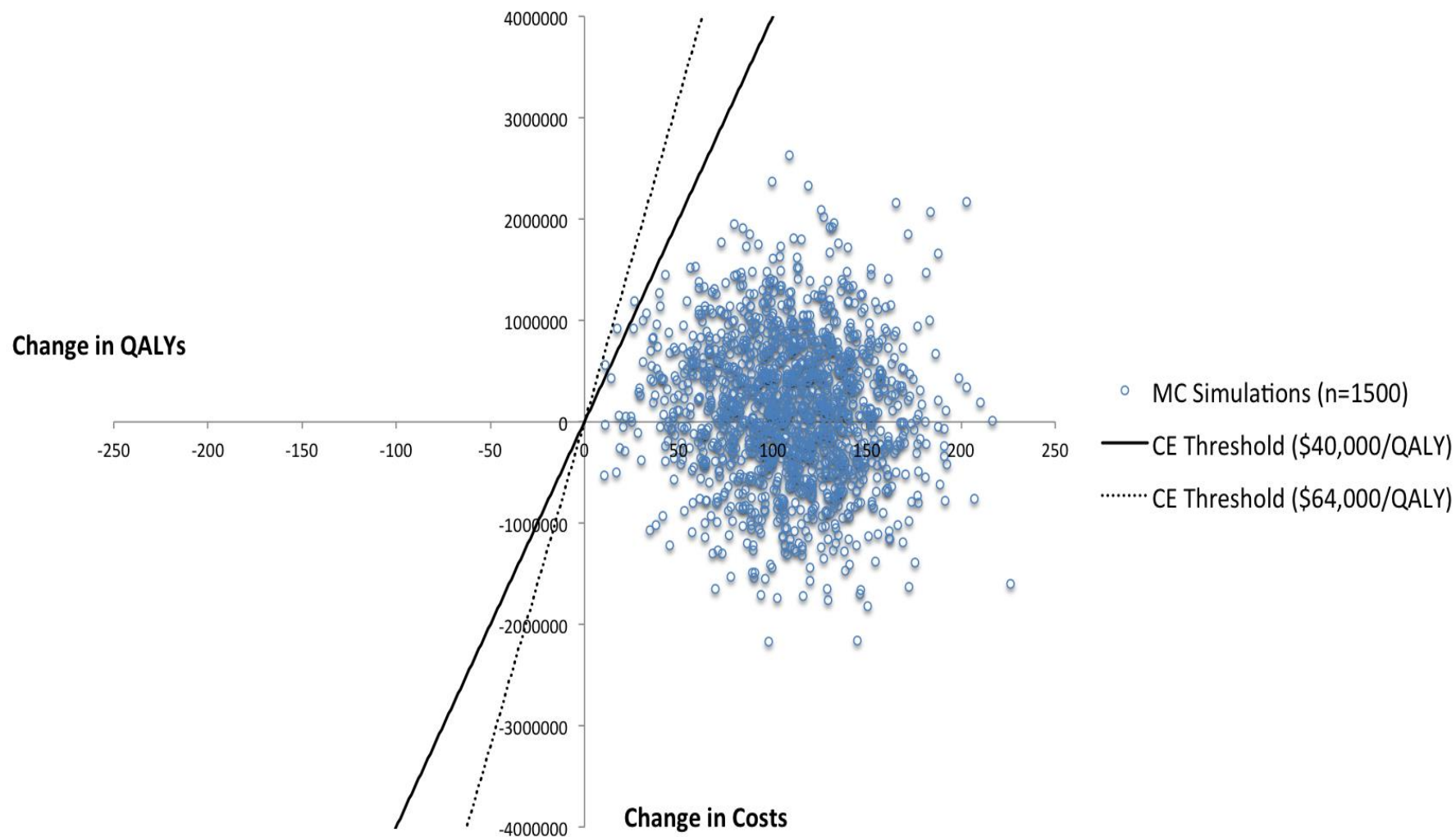


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ICER cloud - Std Care v FMT (gut recovery rate halved)

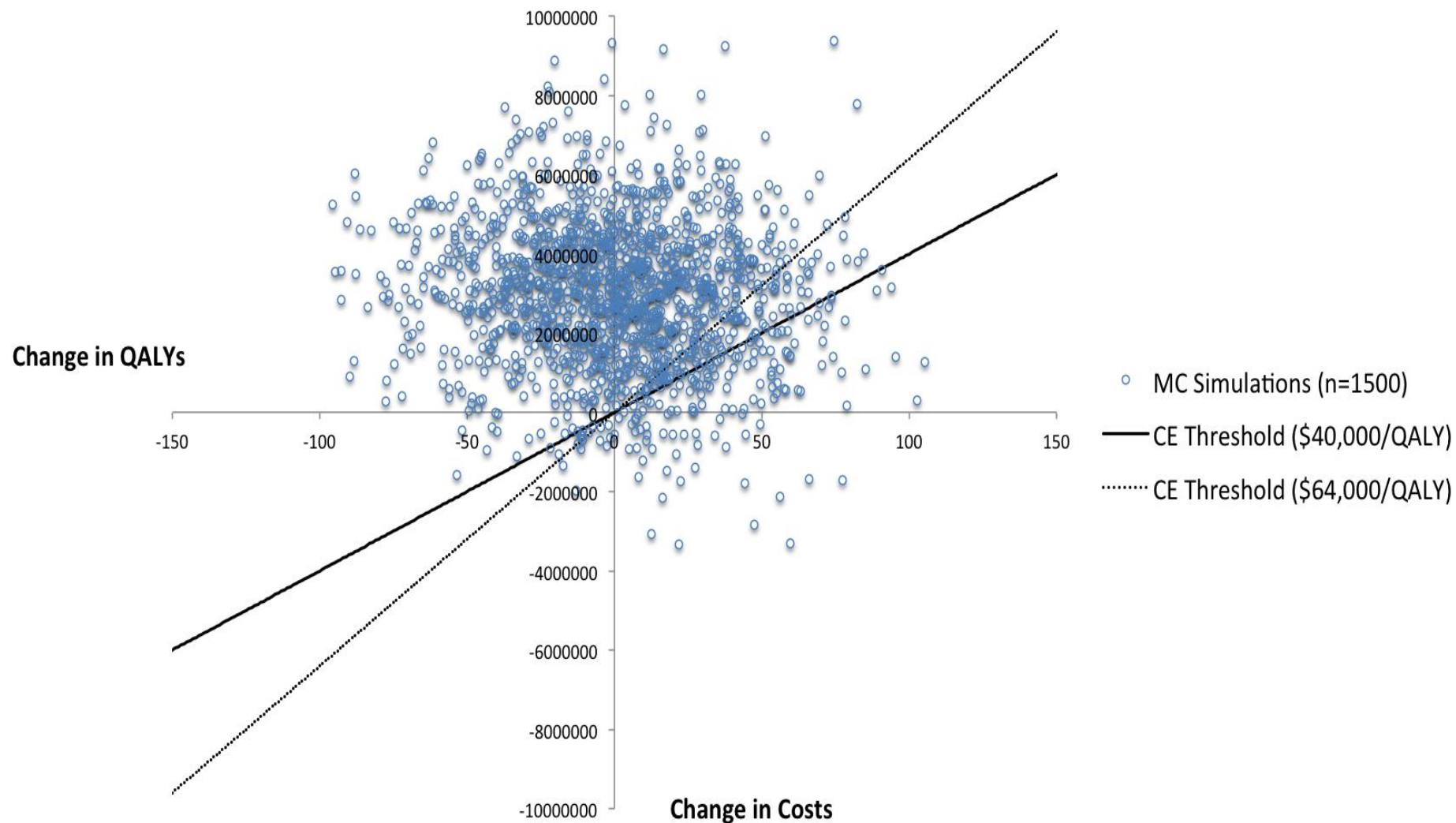


ICER cloud - Std Care v Hygiene Improvement (25% improvement)

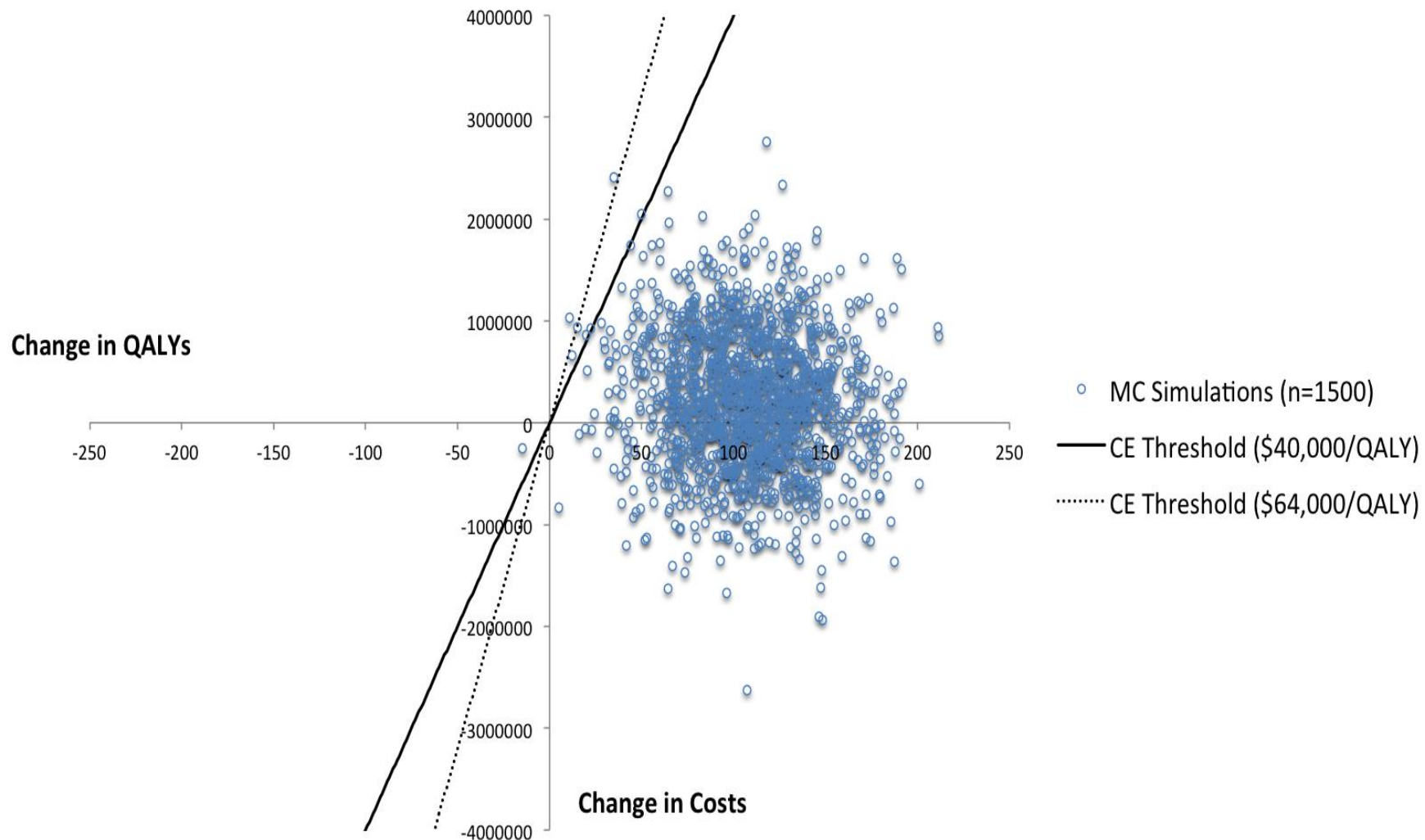


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ICER cloud - Std Care v AMS & FMT Bundle



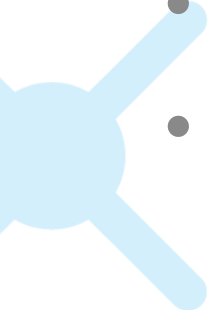
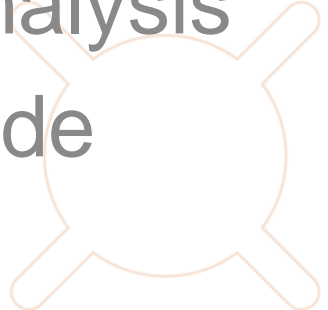
ICER cloud - Std Care vs Hygiene & AMS bundle





Further work



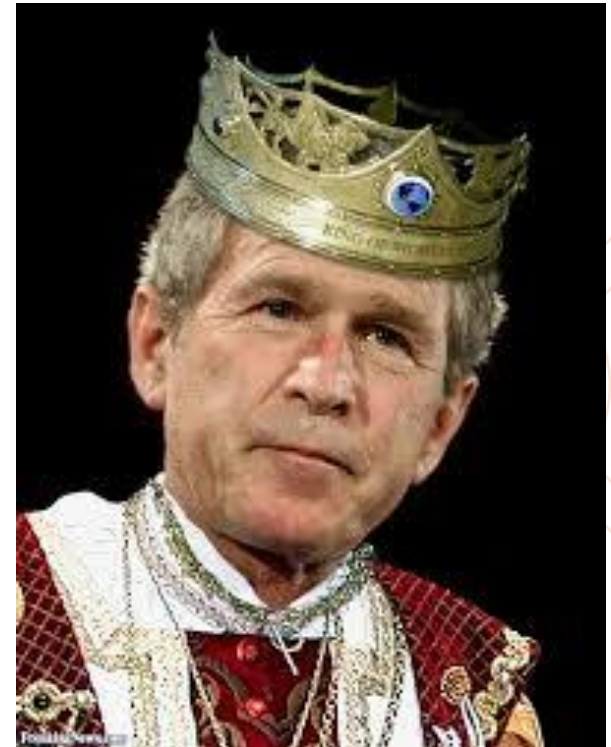
- Use math model to extend the analysis
 - Compare all scenarios side-by-side
- 
- 



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Next steps

- Validate
- Publish
- Action



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