Building Blocks of Comparative Effectiveness
Pratts Healing Ointment
For Man and Beast

We both use it!
“And here, using enhanced sonogram technology, is a computer-generated image of what your baby will look like when he’s 50.”
Who will watch the Watchman®?
Comparative Effectiveness: The Blocks

UK --- NICE

1. Prioritize technologies for evaluation
2. Systematically review existing evidence
3. Fund studies of comparative effectiveness
4. Conduct studies of comparative effectiveness
5. Compare cost-effectiveness or other value measures
6. Create clinical guidelines based on evidence
7. Make recommendations for coverage/funding
8. Make coverage decisions
9. Negotiate prices
Comparative Effectiveness: The Blocks

Australia – PBAC, PBPA

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Comparative Effectiveness: The Blocks

Canada --- CADTH, CDR, CEDAC, COMPUS

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Putting the pieces together in the US

AHRQ, DERP, providers, private tech assessment, payers

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Recent Initiatives

- IOM EBM Roundtable
- EBM Roadmap Group
EBM Roadmap Group: Comparative Clinical Effectiveness

- **High Certainty**:
  - Comparable
  - Incremental
  - Superior

- **Limited Certainty**: Promising*

- **Low Certainty**:
  - Equal Benefit
  - Small net Benefit
  - Large net Benefit

*Promising indicates potential benefit without strong evidence.
“Limited Certainty”

- **Generalizeability**
- **Evidence on benefits and evidence on risks**
  - Internal validity: lesser quality study designs
  - Surrogate outcomes only
  - Lack of longer-term outcomes
  - Conflicting results
Recent Initiatives

- IOM EBM Roundtable
- EBM Roadmap Group
- Center for Medical Technology Policy CMTP
- Institute for Clinical and Economic Review ICER™
ICER

- Objective, rigorous, collaborative, transparent
- Model for public-private organization
- Test new methods for making tech appraisals accessible and actionable
- Support multiple decision-makers’ efforts to improve value
Integrated Value Rating (IVR)™

Comparative Clinical Effectiveness

Superior A

Incremental B

Comparable C

Promising D

Uncertain U

Comparative Value

c Poor

b Reasonable/Comparable

a Superior
Conclusion

- “Comparative Effectiveness” is not one but many
- Global trend is toward centralized review
- Which pieces are cobbled together should frame discussions of structure and funding of an enhanced national effort in the US
- Methods and models to support a more robust comparative effectiveness program in the US are being actively pursued