



THE ECOSYSTEM
OF EVIDENCE

Lessons learned in the pandemic
era and future challenges

10th International Conference for EBHC Teachers and Developers
10th Conference of the International Society for EBHC
Taormina, 25th - 28th October 2023

#EBHC2023



Improving patients' & consumers' involvement in healthcare decisions



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Disclosures

No financial conflicts of interest.



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EXPERIENCE CAN JUST MEAN
MAKING THE SAME MISTAKE WITH
INCREASING CONFIDENCE.



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THINGS GOT TENSE FOR THE TOWNSFOLK
WHEN THE THIRD META-ANALYST GANG
RODE INTO TOWN.



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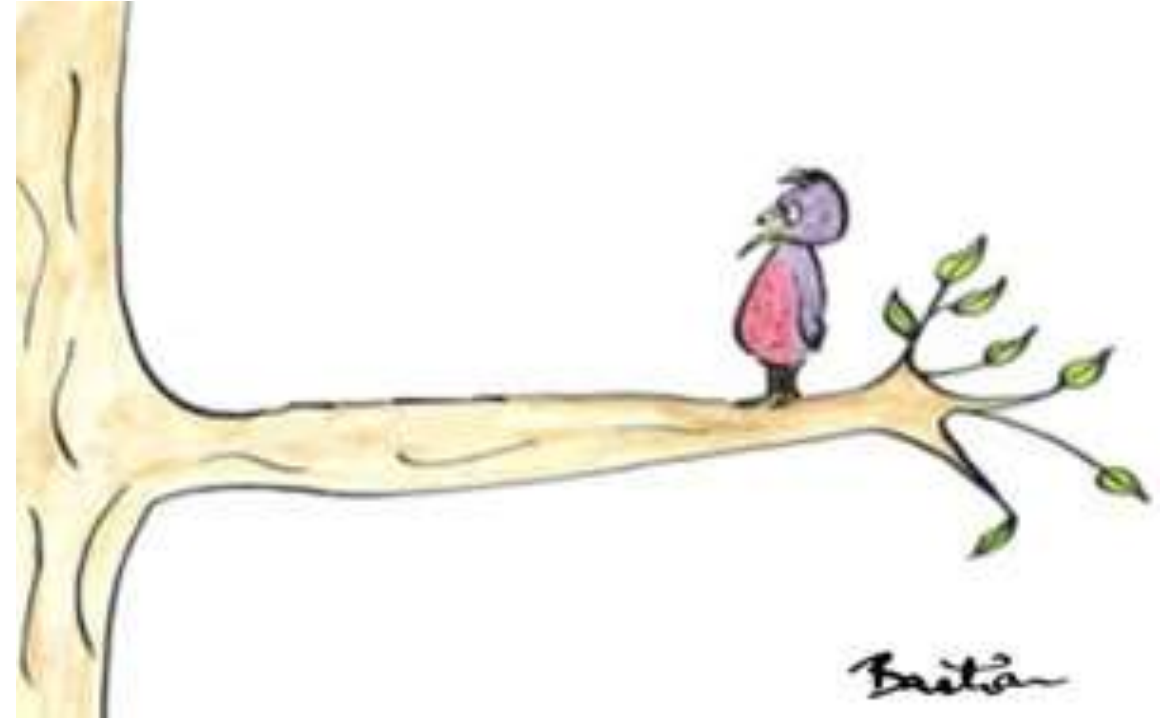
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- Quality & transparency issues with the interventions



* Reporting on interventions: TIDieR Checklist (via EQUATOR Network).

Hoffmann et al (2014). DOI: 10.1136/bmj.g1687



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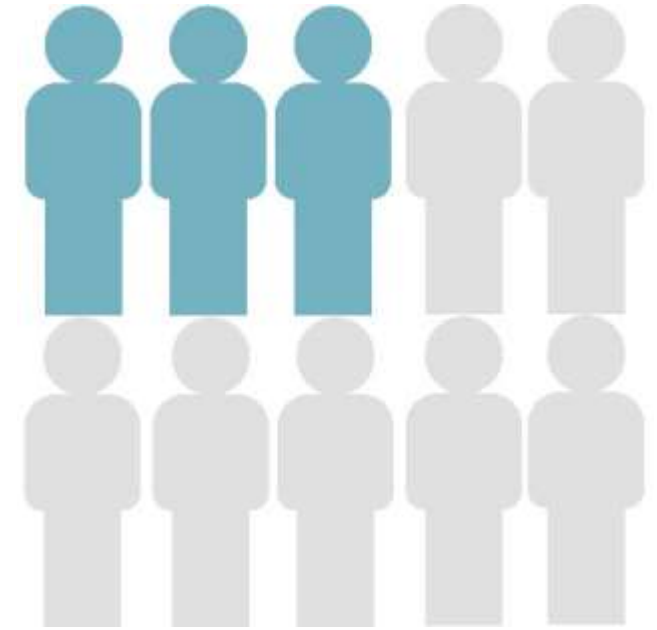
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“Where the outcome is $<100/1000$, pictographs were better understood and processed more quickly than bar charts, particularly if the difference between event rates was small...However, for more common outcomes ($>100/1000$), bar charts were better, possibly because the icon arrangement was more complicated. In addition, the role of shading in processing the part-to-whole relationship of icon arrays is still not well understood.”



Trevena et al (2013). DOI: 10.1186/1472-6947-13-S2-S7



- Selection bias



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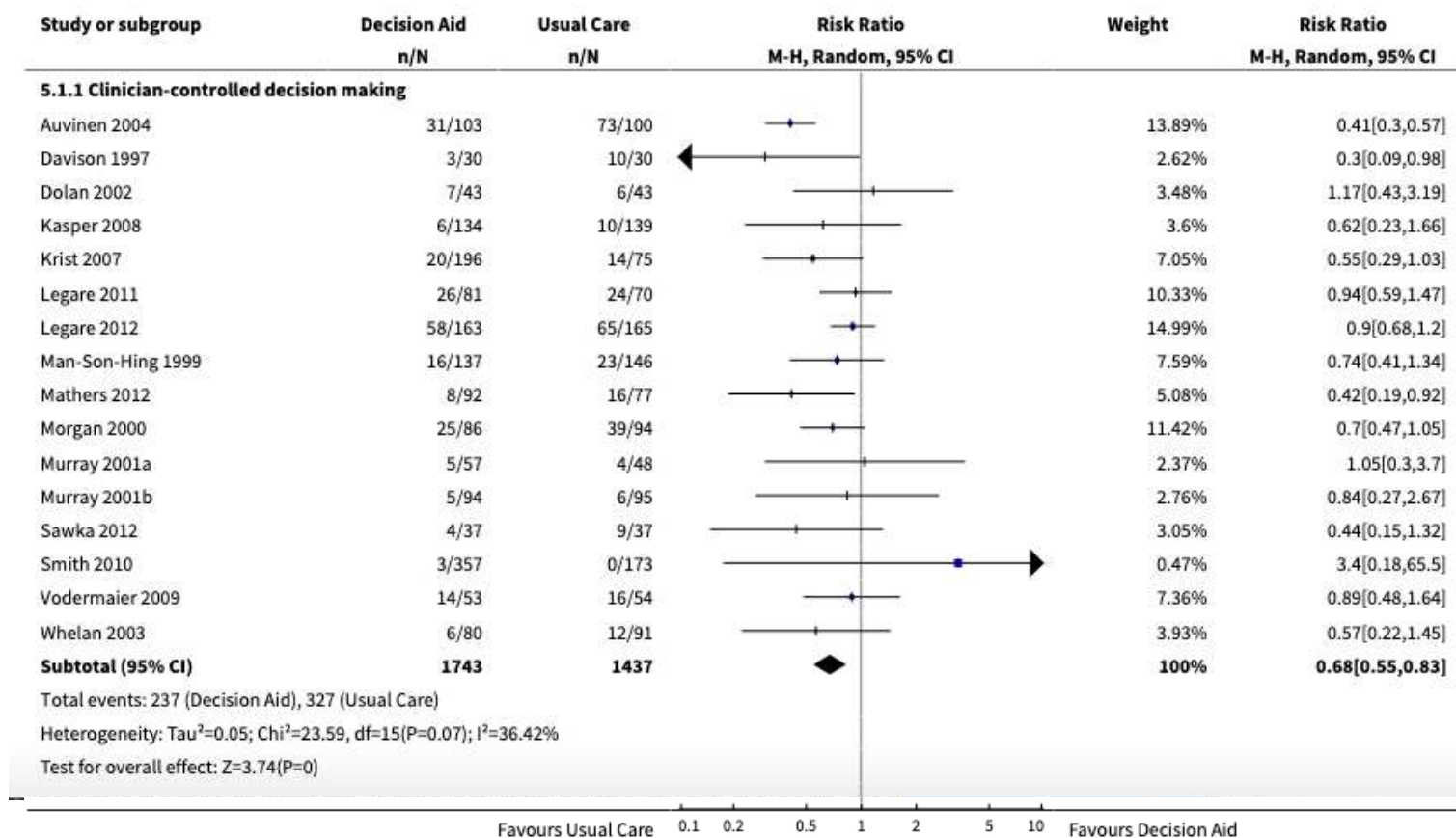
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Analysis 5.1. Comparison 5 Participation in decision making, Outcome 1 Participation in decision making - all studies.



Stacey et al (2017). Decision aids for people facing health treatment or screening decisions. (Cochrane) DOI: 10.1002/14651858.CD001431.pub5

“Trickle down” thinking is a trap.



Mhaimed et al (2023). Shared decision making with black patients: a scoping review. DOI: 10.1016/j.pec.2023.107646



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“In May, 1754, a complaint as to the meat and beer was judged to be unfounded. The complaining patients were severely reprimanded, and ordered to have toast and water for a week.”

Porter (1990). In *The Hospital in History*, pp 149-78.



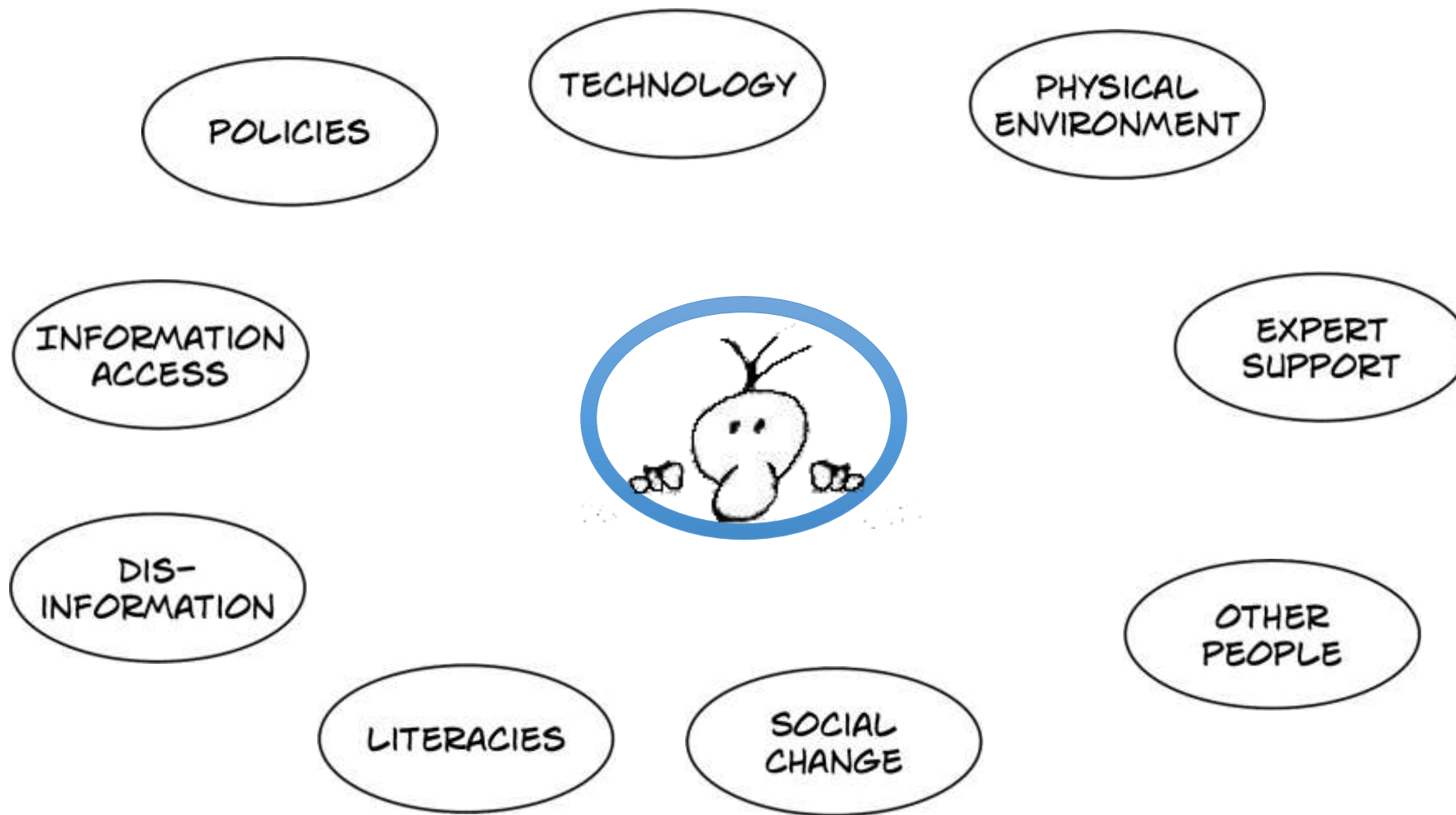
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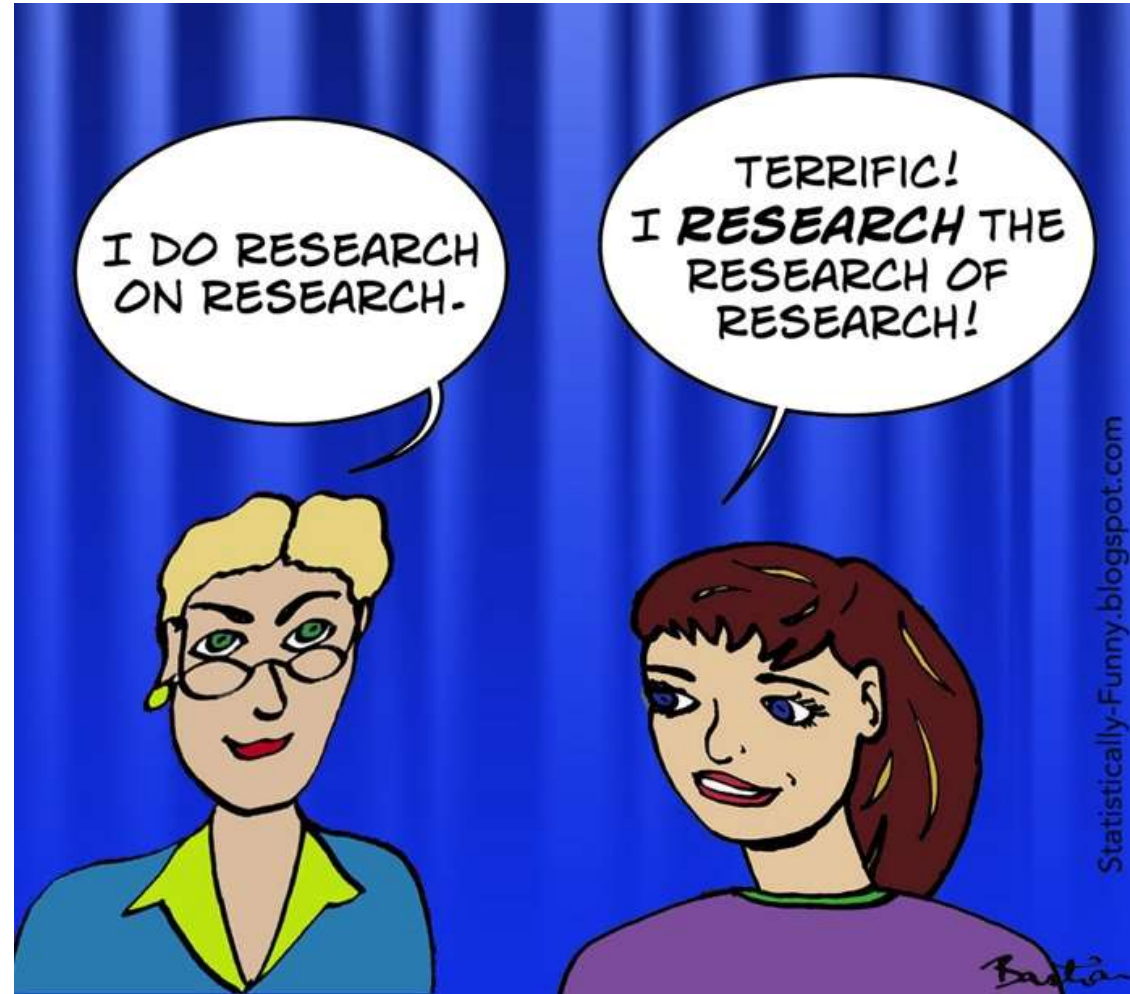
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We need to invest seriously in multiple levels of regularly updated, evidence-based patient information & its popularisation.

Note: Oxman & Paulsen (2019). Who can you trust?

DOI: 10.1186/s12911-019-0772-5



Rights & “patient journey” approach, underpinned by literature reviews, patient interviews, & focus groups

	<i>[Phase]</i>	<i>[Phase]</i>	<i>[Phase]</i>
Daily & social life			
Coping/managing the disease			
Psychological impact			
Knowledge level			
Decisions			
Clinical perspective			
Health professionals			

Bastian et al (2010). *[German]*

<https://www.egms.de/static/en/meetings/ebm2010/10ebm065.shtml>



We need methods for the “consumer” involvement role in policy decisions, & “patient-centeredness” measures for outputs.



Note: Mrklas et al (2022) (Systematic review of current measures)

DOI: 10.1186/s12961-022-00938-8

Not just skills –
power
dynamics,
subcultures, &
norms need to
evolve.



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“[We] have made far more progress in cataloguing cognitive biases than in finding ways to correct them.”

Lilienfeld et al (2009).

DOI: [10.1111/j.1745-6924.2009.01144.x](https://doi.org/10.1111/j.1745-6924.2009.01144.x)



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Thank you!



Newsletter, Living With Evidence: <https://hildabastian.wordpress.com/>



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