



***Design principles to enable
IPECP curriculum implementation:
a Modified Delhi study
Sharing models of best practice***

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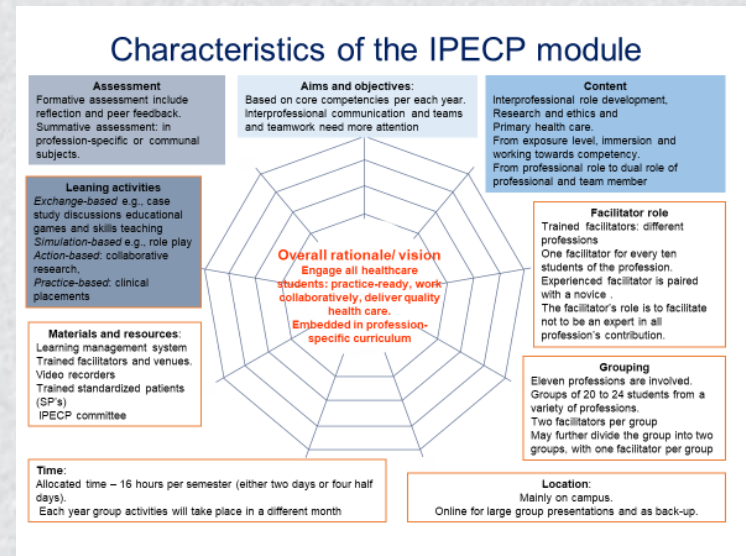
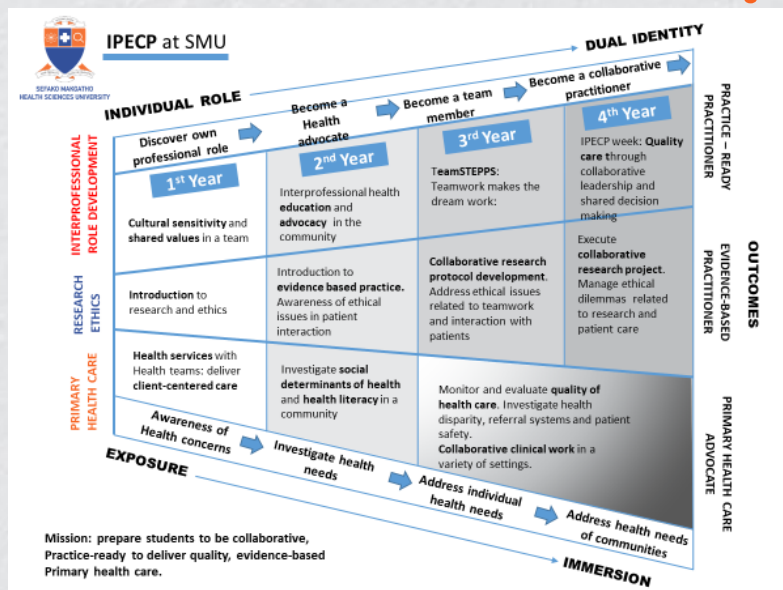
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Disclaimer

No conflict of interest

Learning objective of presentation

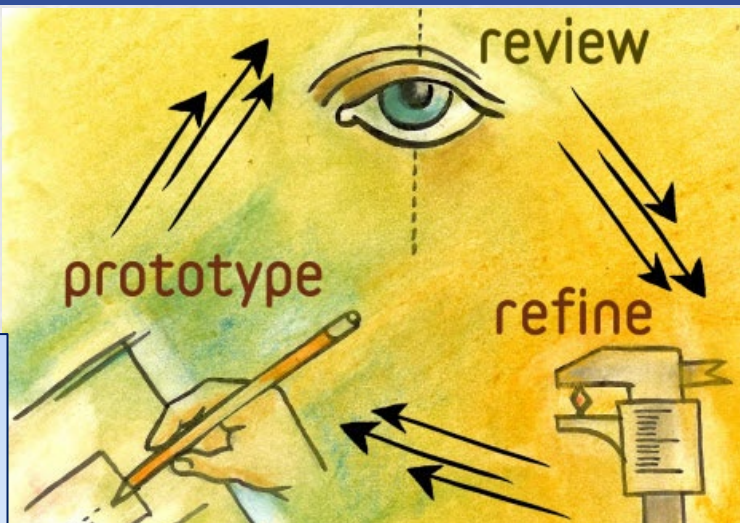
Explain the process of validating design principles prior to IPECP curriculum implementation.



Background



11 professions in four schools with +/- 650 students per year, over four years



EDUCATION DESIGN RESEARCH
Curricular Development Research



Background Method Results Discussion Take home message

Purpose of formative evaluation prior implementation

Contributes to **quality improvement** of the curriculum under development.



Sharpen the underlying tentative design principles towards an **elaborate set of design principles**.



Improve the proposed to a **high-quality final IPECP curriculum**

Background **Method** **Results** **Discussion** **Take home message**

Design principles

- **What:** theoretical recommendations + practical guidelines. Make explicit the implicit design decisions (Plomp, 2013).
- **Why:** guide decision making and implementation. Provide future support for developers. Scientific contribution = generalizable theory for application.
- **How:** tentative design principles. Explain what and why.
- **Types:** procedural and substantive

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Design principles

Procedural

Develop an effective and workable intervention

1. Mission driven.
2. Longitudinal and scaffolded
4. IPECP curriculum embedded in profession-specific curriculum
10. Interprofessional representation
12. Collaborative IPECP design and implementation
13. Protected IPECP time
15. Specified but adaptable curriculum implementation
16. Facilitator training
17. Stakeholder buy-in and commitment

Substantive

Essential characteristic of intervention

3. Competency-based.
5. Constructive alignment with IPECP outcomes.
6. Formative assessment of IPECP drives learning.
7. IPECP competency evaluation.
8. Active, blended learning and teaching approach.
9. Reflective practice.
11. Psychological and physically safe learning environment.
14. Prioritise person and community-centered care.
18. IPECP subject matter inclusion

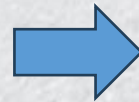
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Purpose of the research

- To generate credible, reliable and plausible design principles for a planned IPECP curriculum by consensus of panellists in terms of suitability and appropriateness.

Pro-active approach

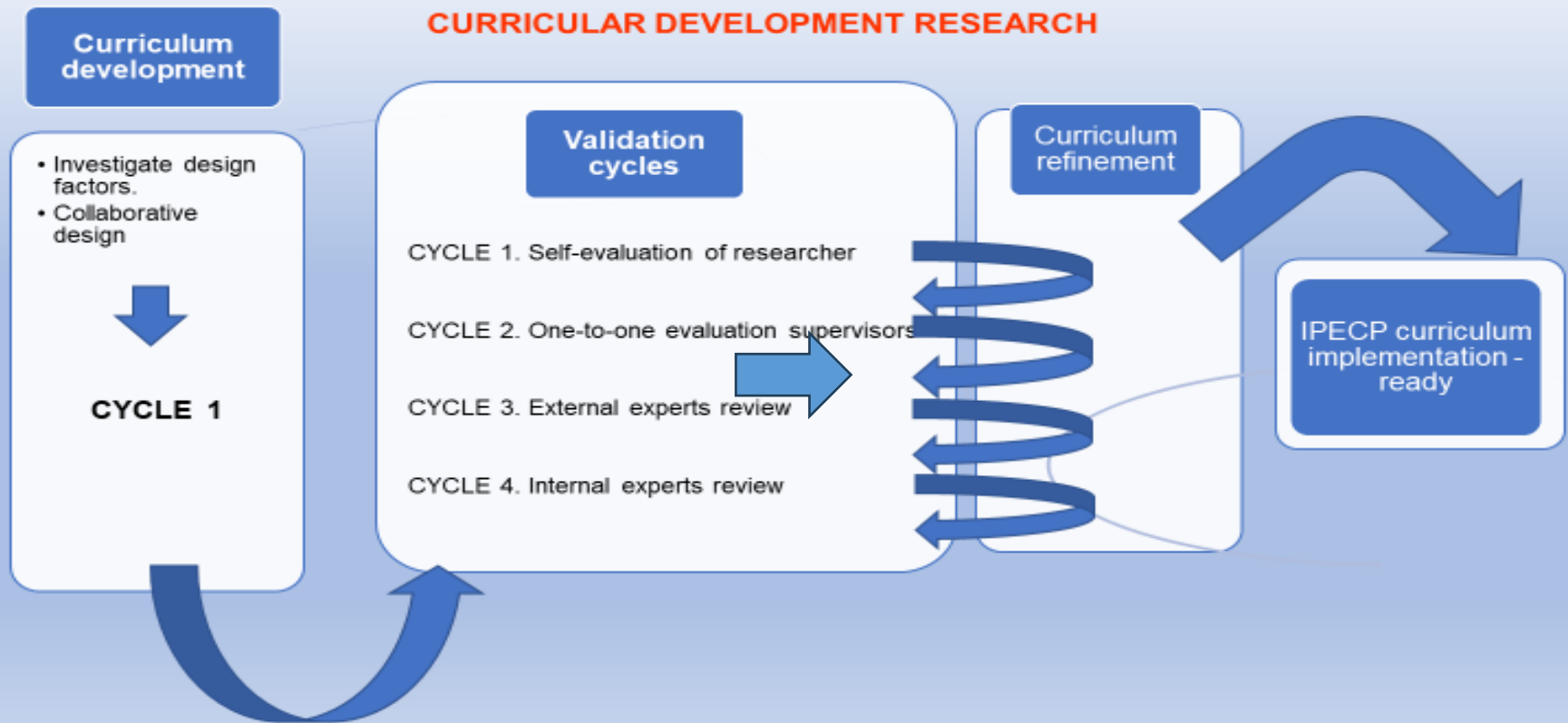
- Improve preparation,
- supports implementation
- contributes to quality improvement



(Hollander et al., 2022)

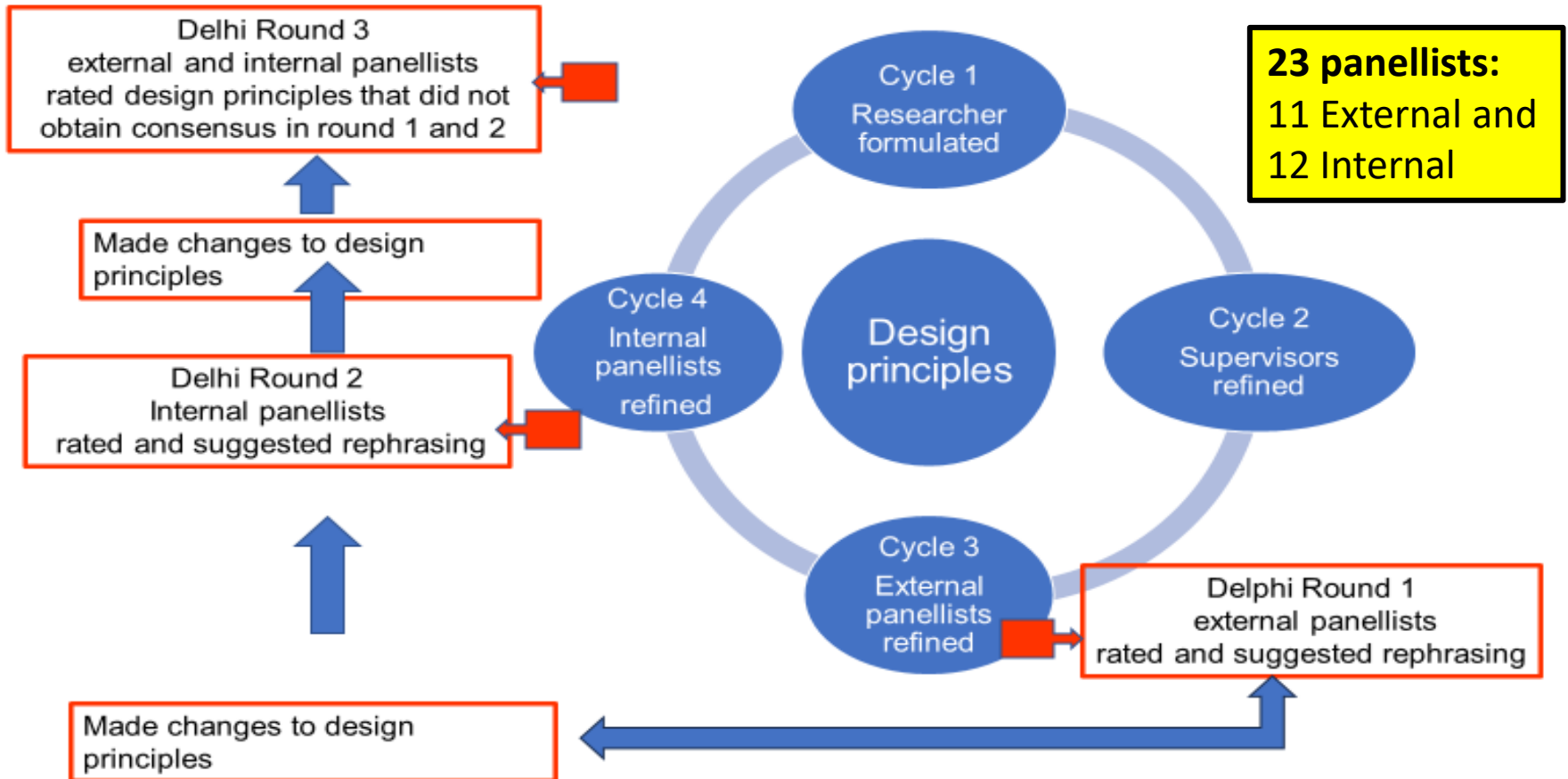
Background **Method** **Results** **Discussion** **Take home message**

Validation method



Background Method Results Discussion Take home message

Method: Curriculum Design Research



Background Method Results Discussion Take home message

Results

Round 1 and 2

Design principles 1,2,9,12,14,12,16,17

High consensus IQR < 15

Strong agreement/support median \geq 90

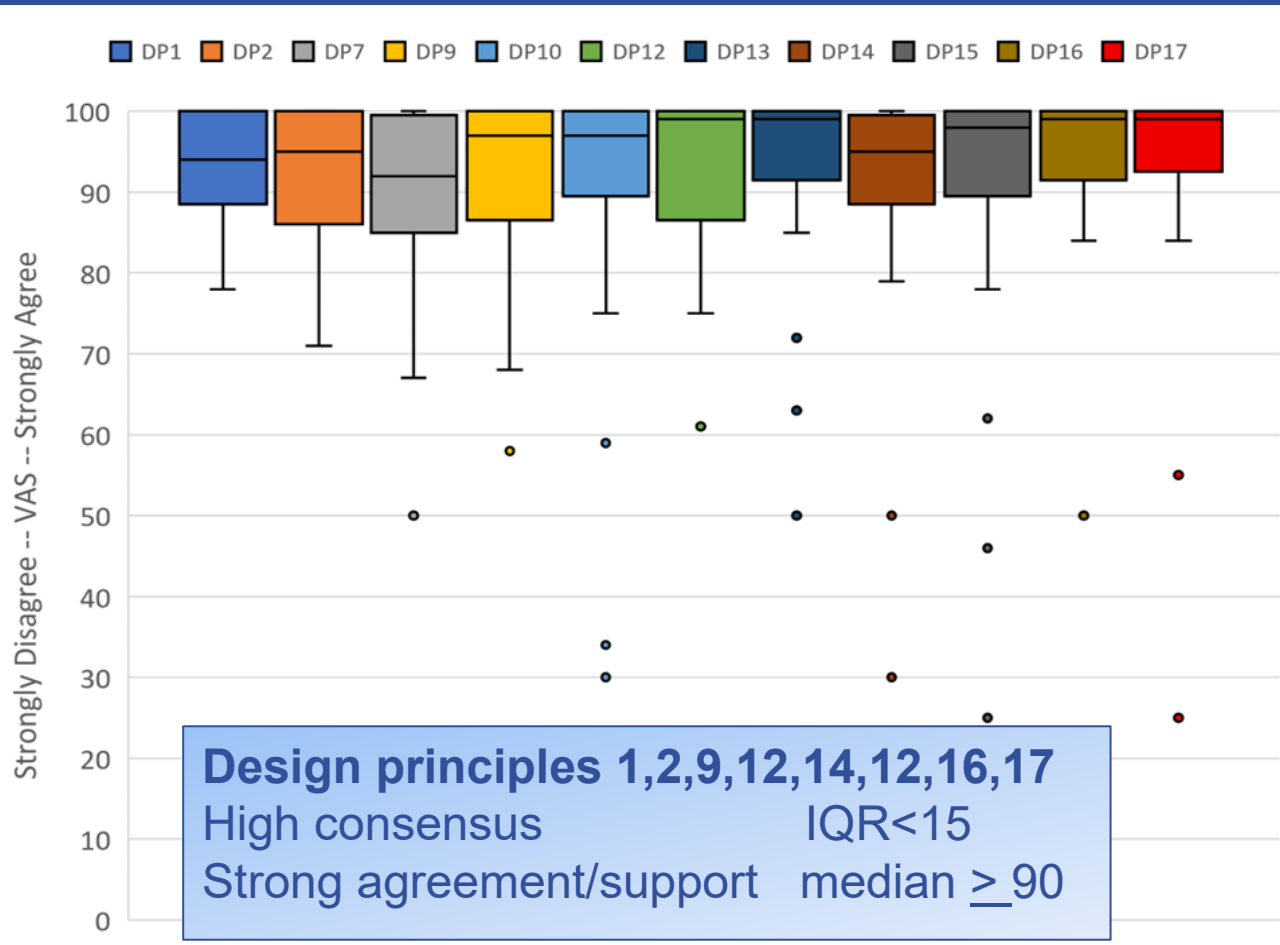
Design principles not meeting the thresholds in Round 1, but accepted after Round 2

Design principles 2: 7, 10 and 13

Median below 90 and IQR > 15

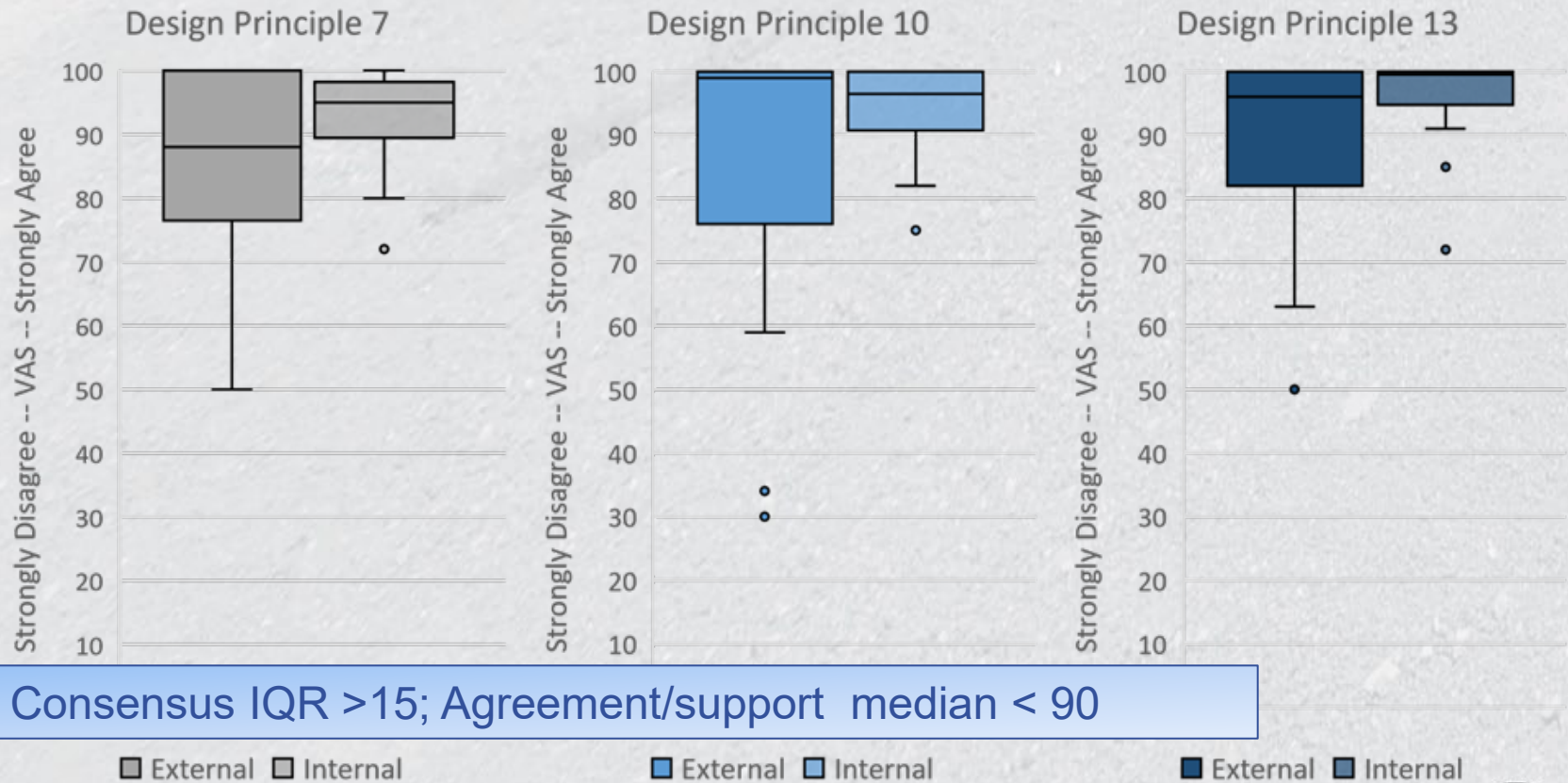
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Round 1 and 2: 11 design principles accepted



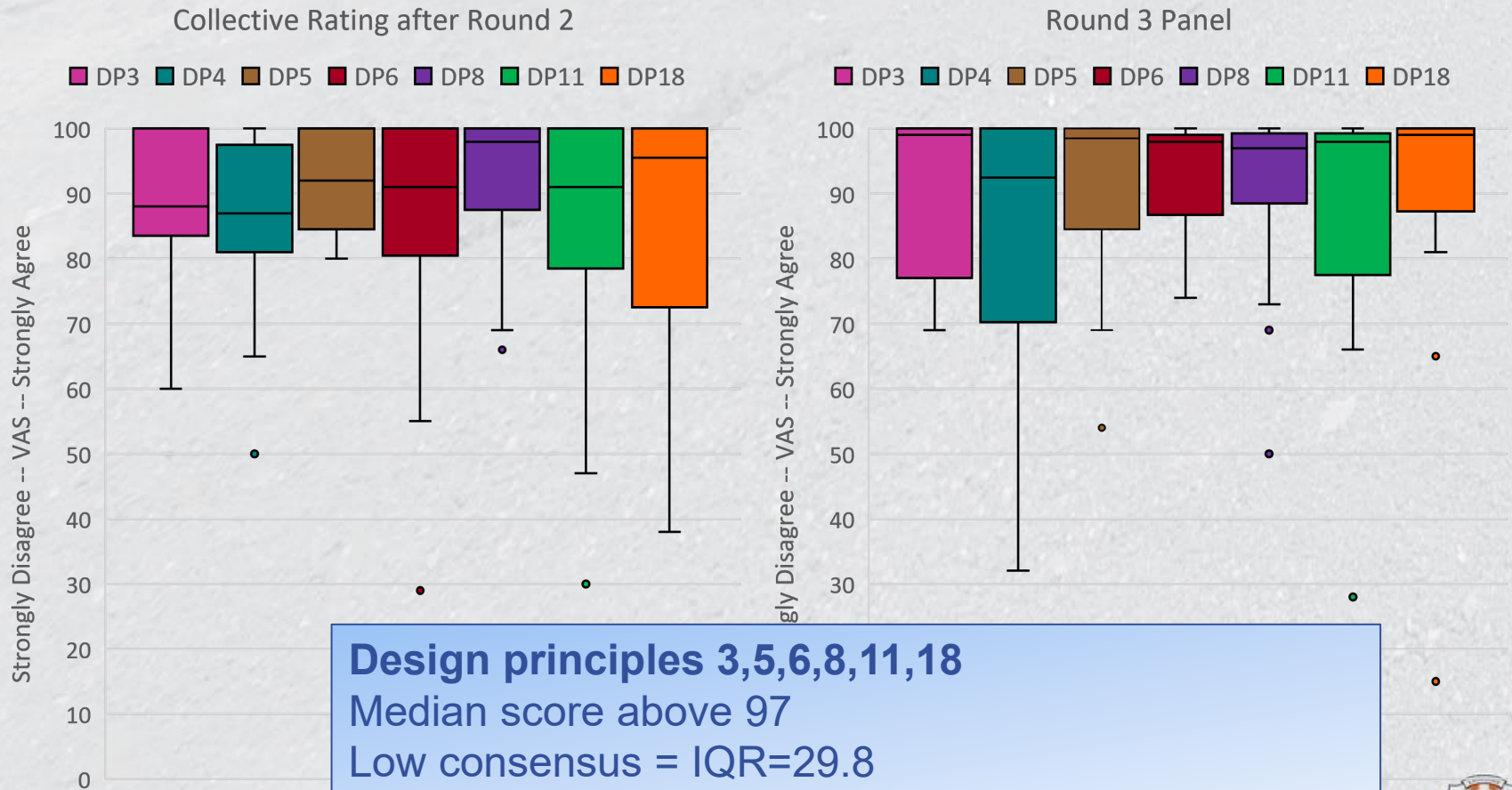
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ROUND 1 versus 2: DP 7, 10, 13



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Round 2 versus Round 3



Background Method Results Discussion Take home message

Discussion

- Generated 18 credible, trustworthy, plausible design principles.
- External panellists more years of experience of IPECP versus internal panellists understand specific context and would need to implement.
- Design principles are valuable to
 - ❖ researchers,
 - ❖ educational designers,
 - ❖ implementers,
 - ❖ accreditors
 - ❖ policy makers

(Nieveen & Folmer, 2013)

Background Method Results Discussion Take home message

Take home message



Essential step for curriculum planners: **circumvented** problems that could have hampered participation of stakeholders.

Iterative cycles of Curriculum Development Research in combination with Modified Delphi technique validated and refined design principles.

Procedural (effective and workable intervention) and **substantive** (content) design principles strengthen the knowledge base and guides implementation.

Background Method Results Discussion Take home message

References

Available on request

Thank you for being here

Please feel free to ask any questions.





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Working closely with communities on health issues

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