Scientific Hangman

Gamifying the Understanding of Cervical Cancer Screening

Reminder Letters

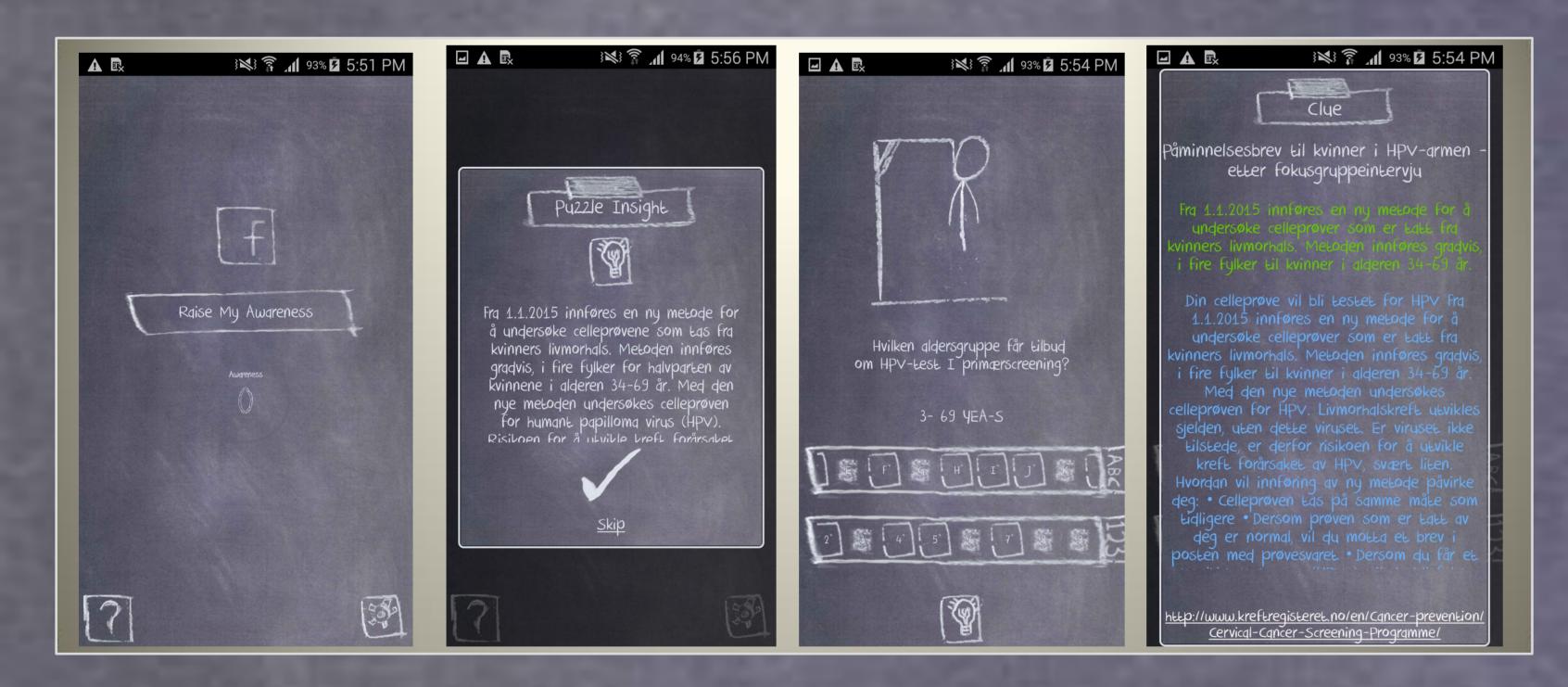
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Introduction

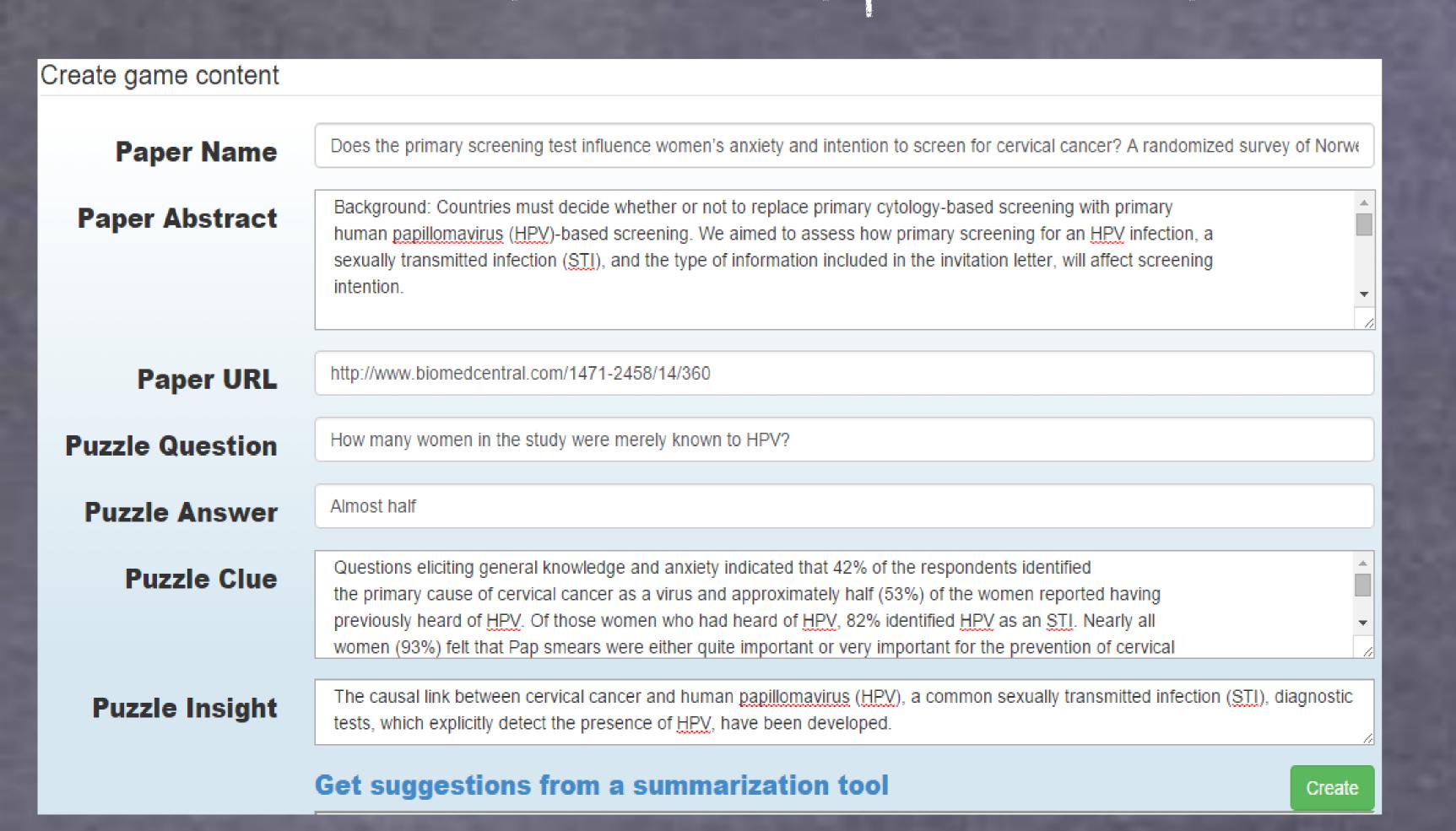
- Reminder letters improved screening coverage from 67% to 75% in Norway (2011). Expected optimal coverage was 80%
- How can we make reading scientific evidence in health more engaging?

Methods

We present "Scientific Hangman", a mobile app, to gamify health communication. It challenges players to solve puzzles requiring understanding evidence provided as clues.



We created a web service for professionals to create evidence-based puzzles and clues



Focus Group Interview

- We created puzzles and clues from content in screening reminder letters
- 10 women of age 34 to 69 on 13th Oct 2014 played 'Scientific Hangman' and helped us perform an interview-based qualitative evaluation.

Results

- Puzzles narrow player focus to one information element at a time.
- Challenging with puzzles compelled players to understand information in reminder letters
- Participants agreed that gamification can increase knowledge about HPV and Cervical Cancer

Suggested Limitations

- Reluctance to download game on phones Better if on Facebook (share and compete)
- Participants thought that game is more suitable for younger girls

Conclusion

- Health communication can be improved by challenging people in a game context
- Well-known games such as Hangman, Scrabble and Typing master are easy to learn and useful platforms to communicate evidence in health