

# Pandemic to Podcast – 'Critical Conversations' a novel initiative to enhance the learning experience in ICU

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# Virtual Learning Environment



# Irish Statistics on digital audio

- 2.53 million Irish adults listen to digital audio
- 33% listening to podcasts
- 14% specialist subjects
- Podcast use has shown consistent growth





Average  
listening  
time 



$\frac{1}{2}$   
Consuming  
more  
podcasts



$\frac{1}{4}$  Expected  
to increase  
listening



# Why podcasting as a way of educating?

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The Covid 19 pandemic and staff increases along with additional educational needs

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Commencement of new grad nurses to the ICU

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Evidence based knowledge and high-quality patient care.





Substitution of peer teaching



Challenges with IT based learning



Podcasting is a new modality that reinforces learning



Broadcast engaging audio content, in a seamless fashion.



Permission  
/Approval

Title/Logo/  
Music

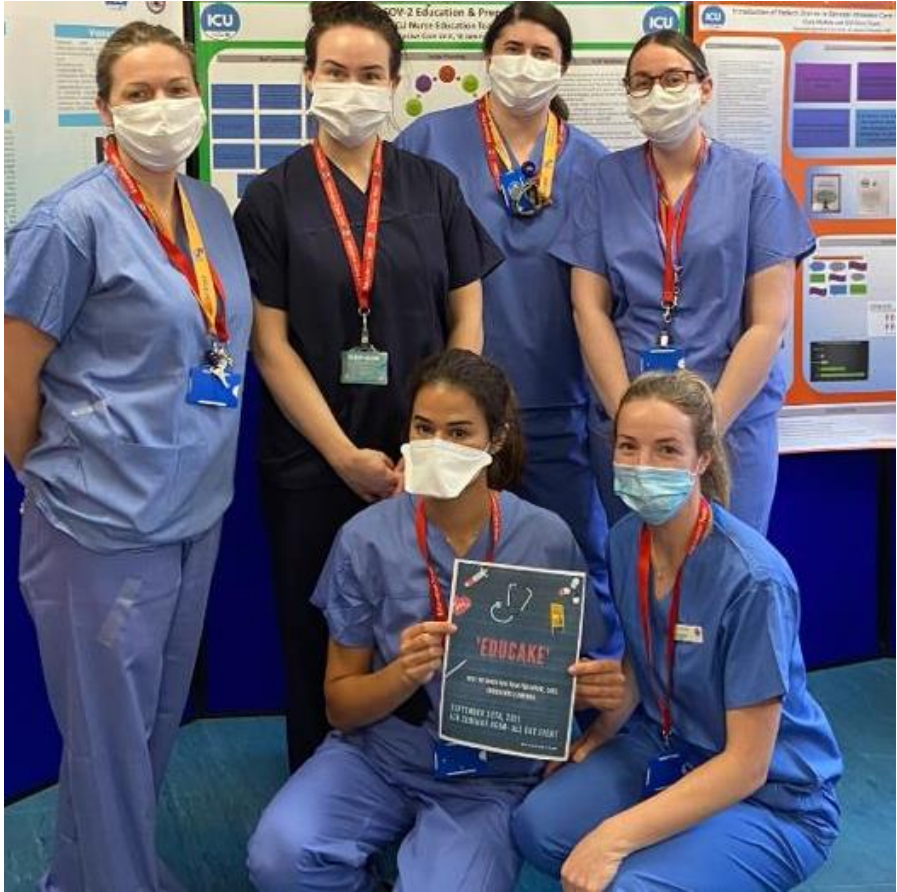
Recording

Editing

Advertising  
/Release

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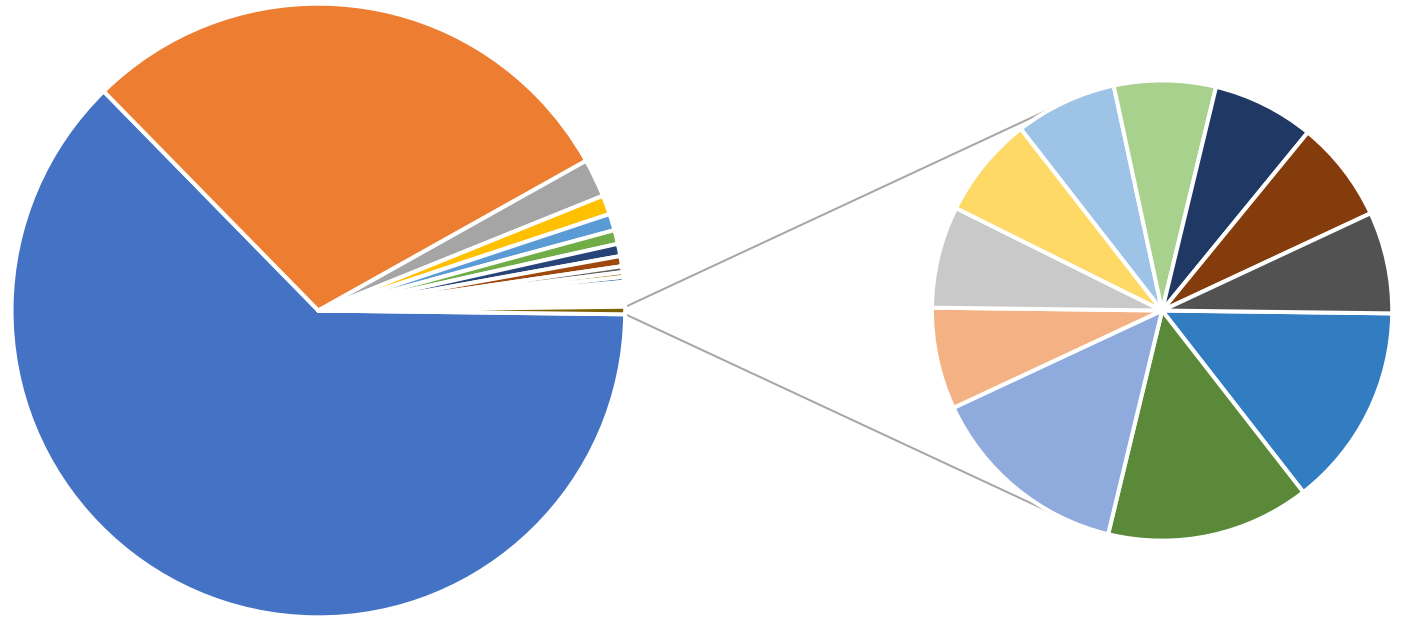




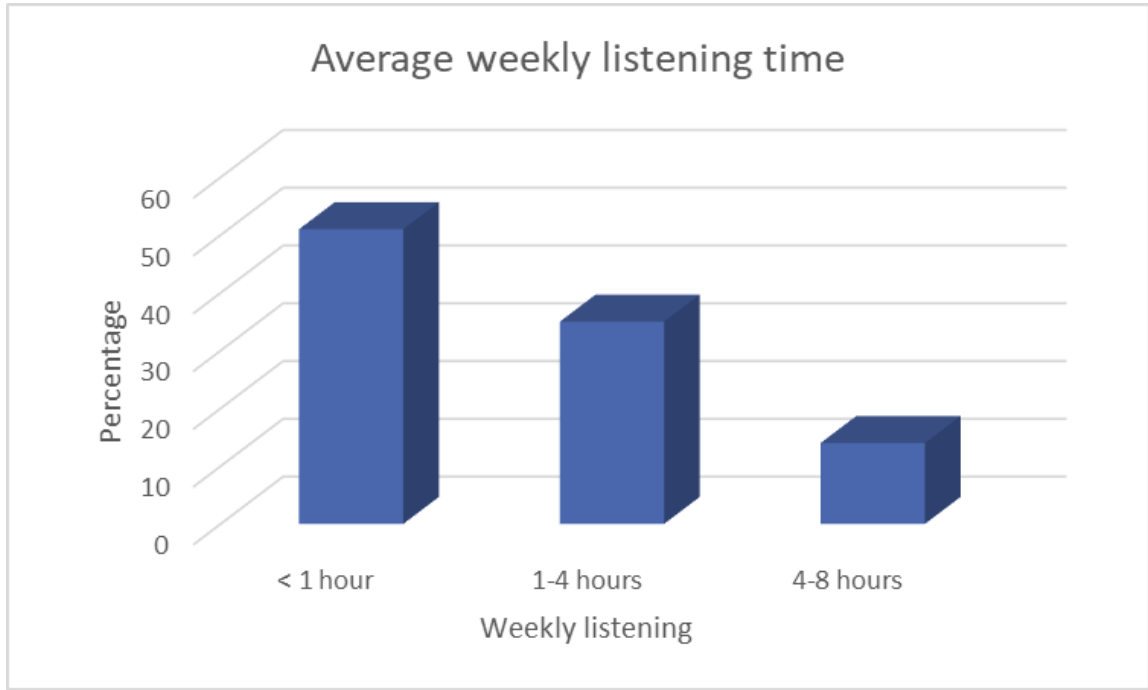
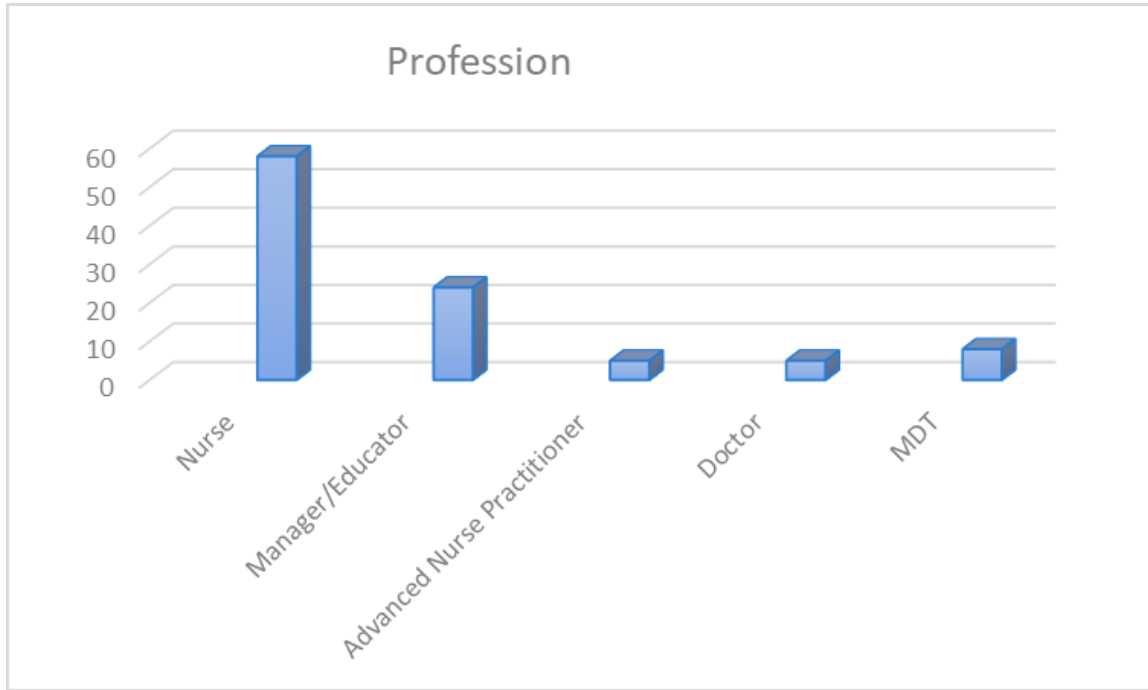


# Critical Conversations Overview

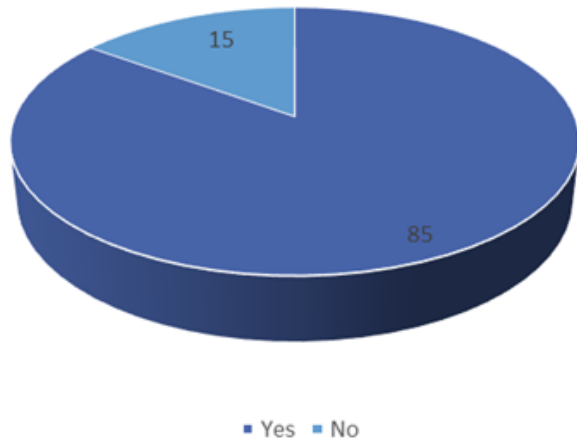
- Listeners from 30 different countries



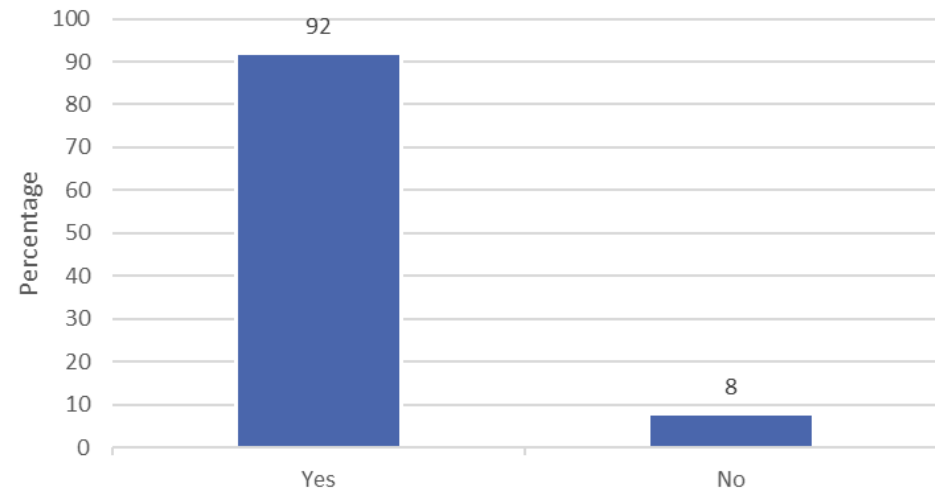
- |                        |                 |                  |               |
|------------------------|-----------------|------------------|---------------|
| ■ Ireland              | ■ United States | ■ United Kingdom | ■ Germany     |
| ■ Australia            | ■ Portugal      | ■ Canada         | ■ Philippines |
| ■ Spain                | ■ France        | ■ Austria        | ■ India       |
| ■ United Arab Emirates | ■ Belgium       | ■ Netherlands    | ■ New Zealand |
| ■ Italy                | ■ Puerto Rico   | ■ Saudi Arabia   | ■ Mexico      |
| ■ Czech Republic       | ■ Nigeria       | ■ South Africa   | ■ Chile       |
| ■ Malaysia             | ■ Norway        | ■ Colombia       | ■ Argentina   |
| ■ Poland               | ■ Switzerland   | ■ Nepal          | ■ Brazil      |
| ■ Thailand             |                 |                  |               |



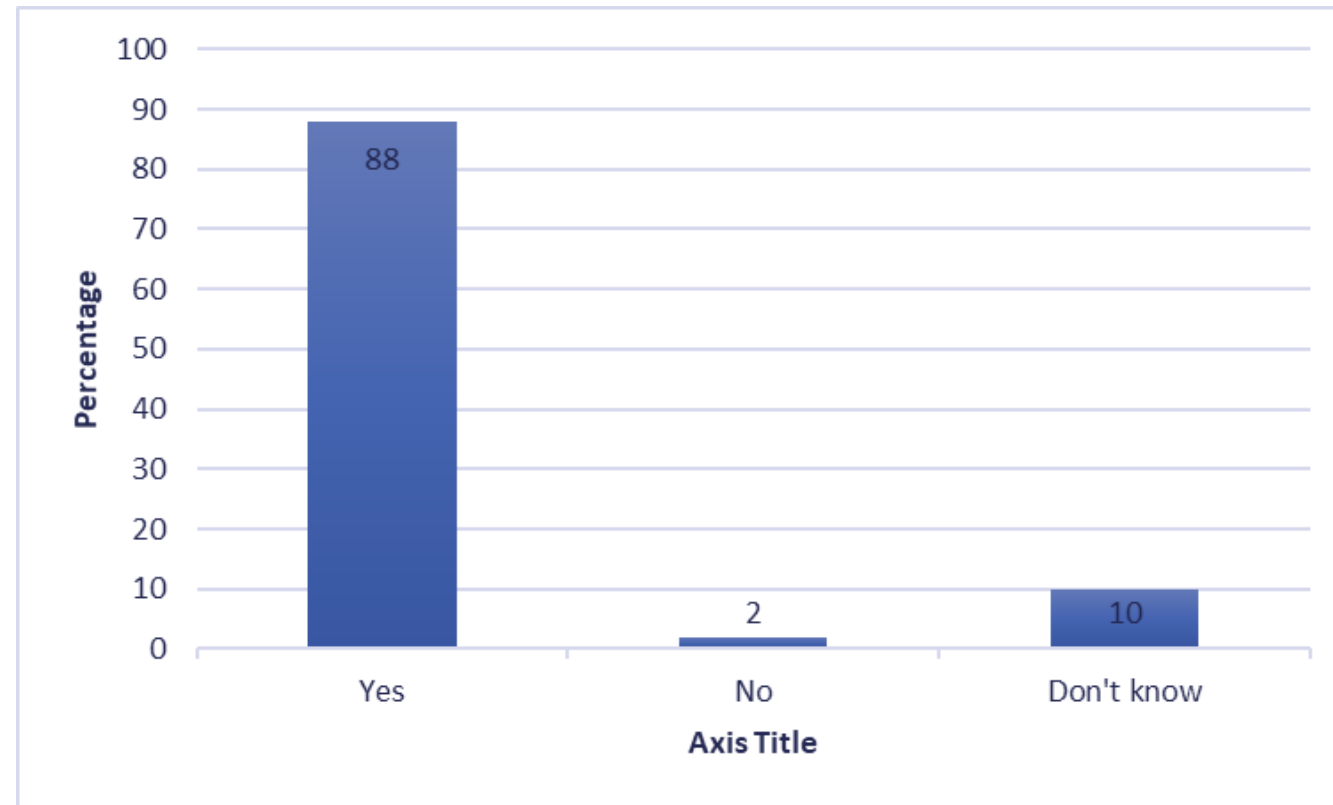
Listened to more than one episode



Would you recommend this podcast to a friend?



# Did we enhance the learning experience?





# VARK model of learning



## Visual

Flow charts, diagrams, maps



## Aural/auditory

Heard or spoken information:  
discussions, radio



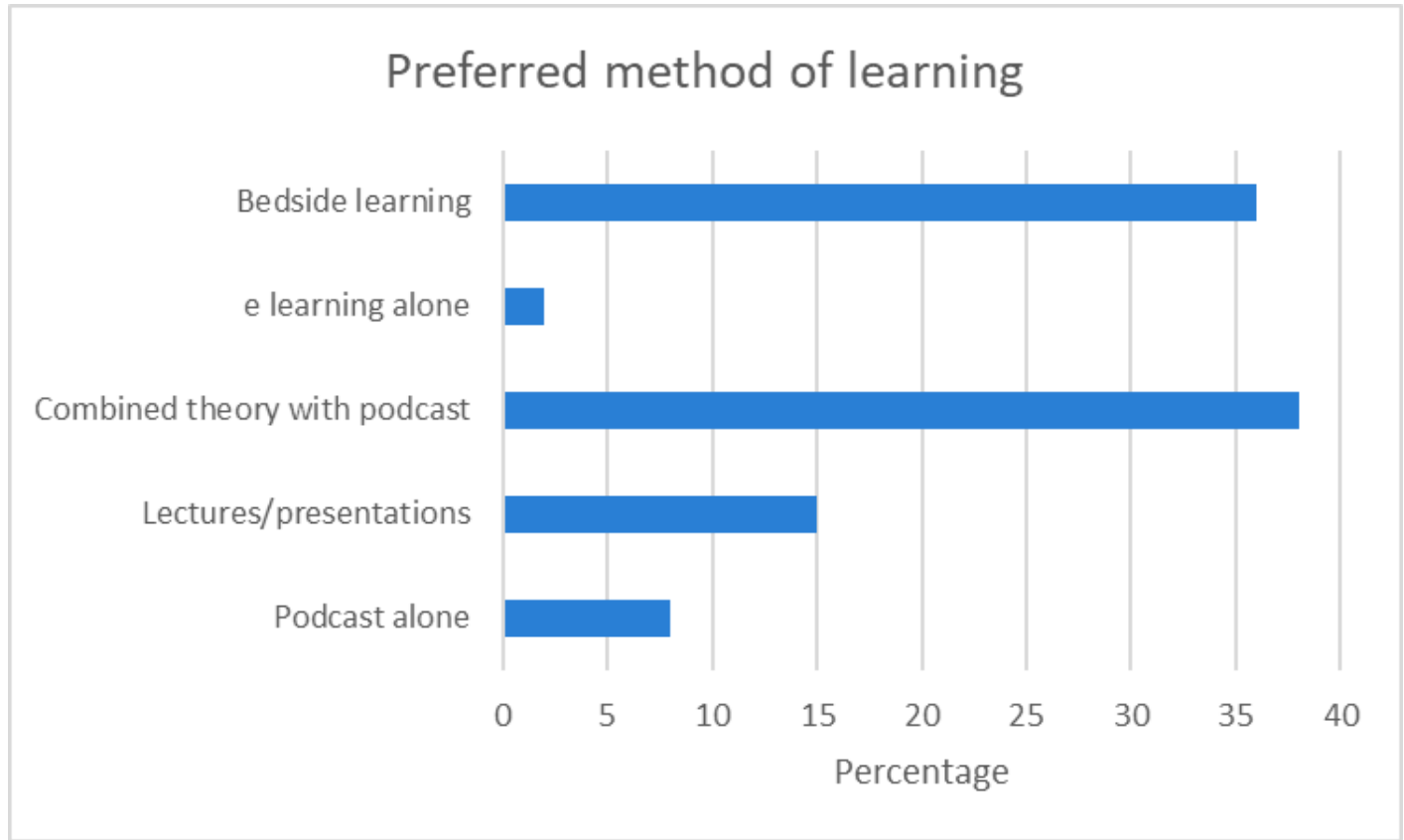
## Read/write

Information displayed as words:  
books, journals, articles



## Kinesthetic

Experiences or practices, real or  
simulated: hands-on activities

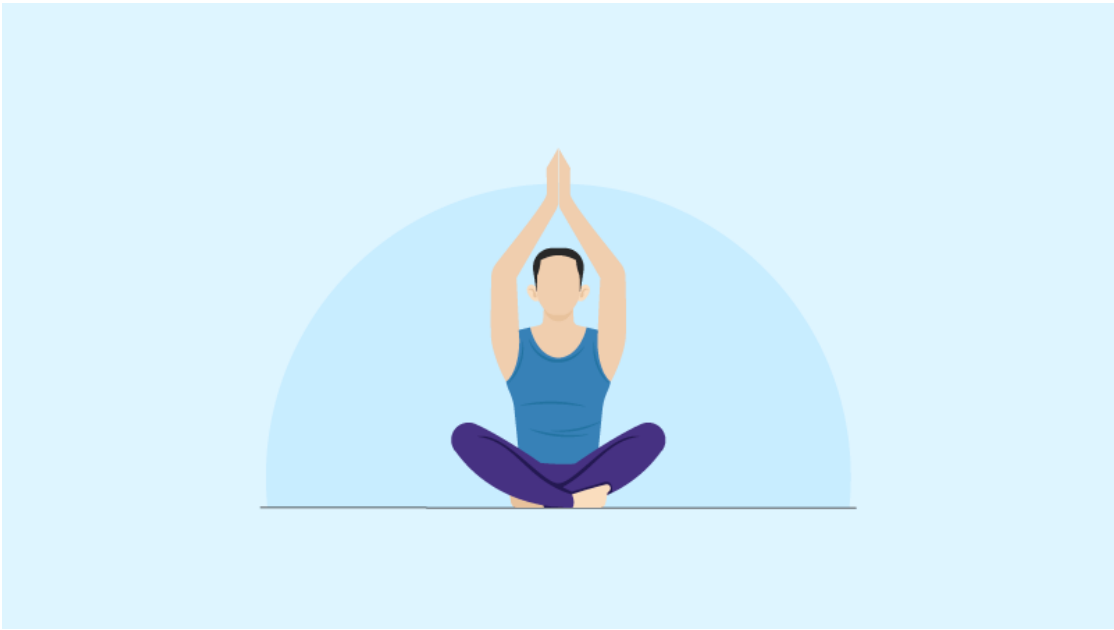
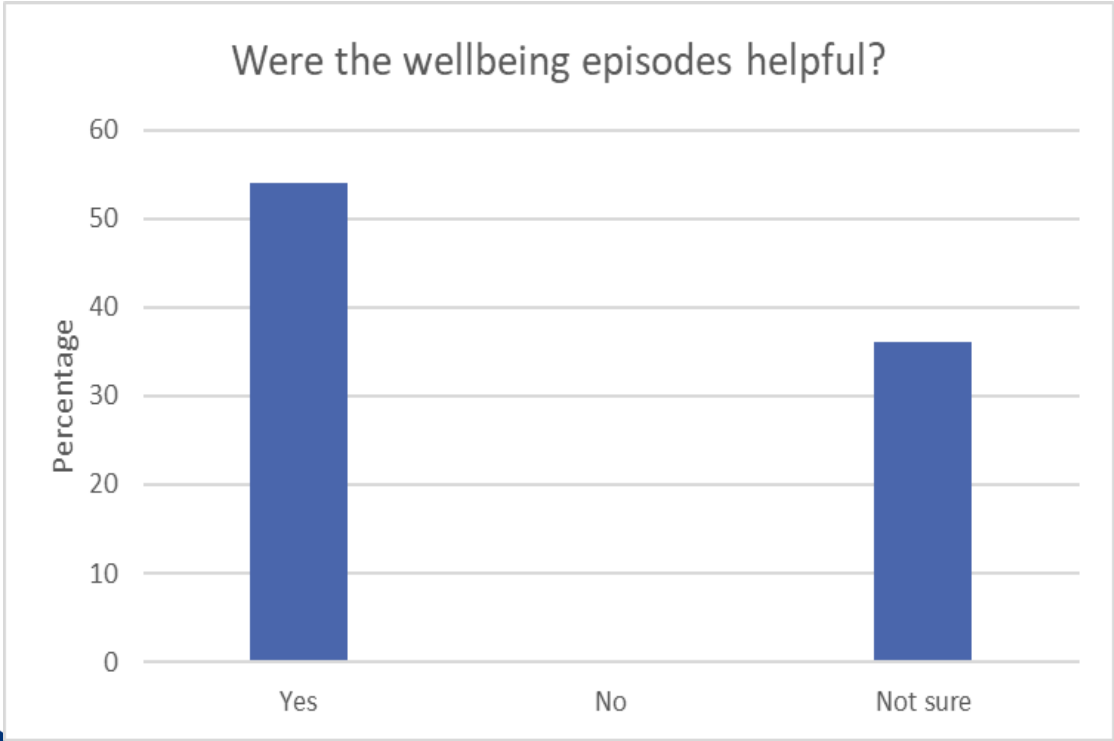




Learning style preference should be used for students to gain awareness of their learning



Multi-sensory learning environments encouraged with use of podcast, simulation and visual resources



# Listeners Age

Listeners ages range from 18-60

Educational needs for future generations



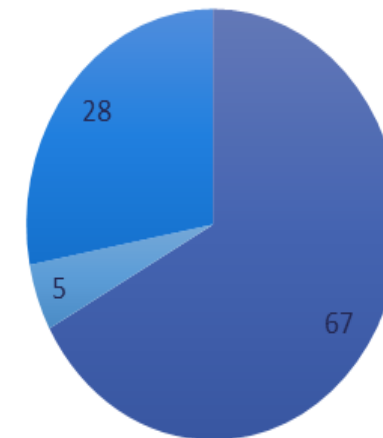
'Baby Boomers'	'Generation X'	'Generation Y'	'Generation Z'
1946-1964	1965-1980	1981-1994	1995-2010
Motivated and hard working; define self-worth by work and accomplishments.	Practical self-starters, but work-life balance important.	Ambitious, with high career expectations; need mentorship and reassurance.	Highly innovative, but will expect to be informed. Personal freedom is essential.
25% of the NHS	40% of the NHS	35% of the NHS	<5% of the NHS





67% now providing better patient care

Does the podcast help you to provide better patient care?



■ Yes ■ No ■ Not sure

# Kirkpatrick's outcome Hierarchy



# Kirkpatrick's Outcomes Hierarchy

- Reaction - Positive reaction to the podcast as a useful learning tool
- Learning - More than 80% of listeners have reported the podcasts has enhanced their learning
- Behaviour – With 70% of the listeners stating the podcast helped them to provide better patient care
- Impact of the podcast on service users has not been measured

# What does the Literature say?

- An Integrative review of 26 studies
- Participants of most studies favoured podcasts' portability and flexibility of listening to content anytime and anywhere





- Several studies reported that podcasting sparked learning and inspired critical thinking
- Overall, podcasting as an educational technology appears to have had a positive impact on how nurses, midwives and students of these professions learned

# A medical podcast's perceived impact on learning and practice





The following four themes related to podcast listenership were identified



Increased efficiency, allowing them to multitask



Participants listened to the podcast for both education and entertainment



Participants thought that the podcast helped them keep up to date



Participants considered the medical podcast to have an indirect effect on learning and clinical practice by increasing overall knowledge



# PODCAST

Free  
accessible  
resource

Positive  
feedback

Studies suggest  
podcasts can  
have a positive  
impact on  
learning

Thank you  
Questions?

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