

POPULATION HEALTH & DIGITAL HEALTH PROMOTION

- Student Name:- Sana Firoz Haji
- Student Id:- 2242231
- Assignment Title:- Component 2 group presentation
- Module Code:- LCHS7007
- Lecturer:- Dr Diola Bijlhout

BENEFITS

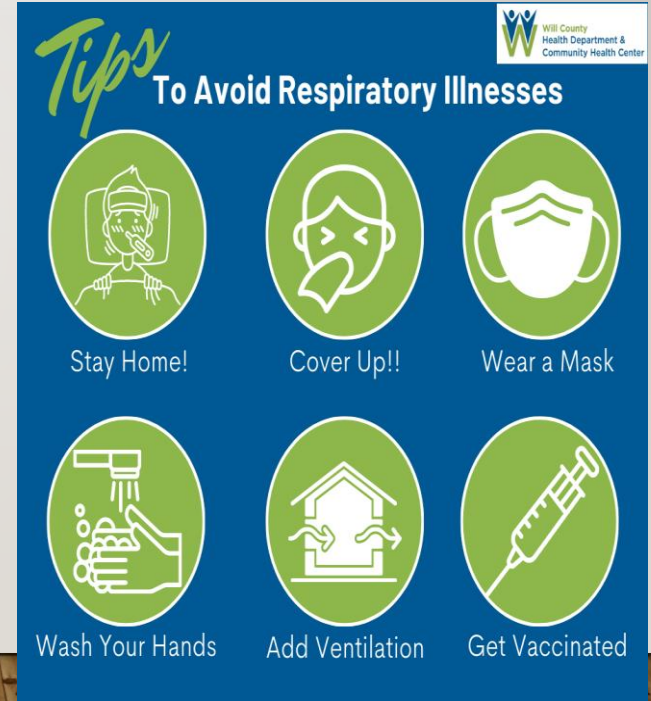
Raise children's awareness of respiratory health in the UK

Using mobile apps reduce the cost of respiratory health promotion.

Influence reduce unhealthy habit and other preventative measures for the safety and health of human lungs (Hubley and Copeman, 2018).

Animated and cartoon description of respiratory disease health and prevention of issue are described for children.

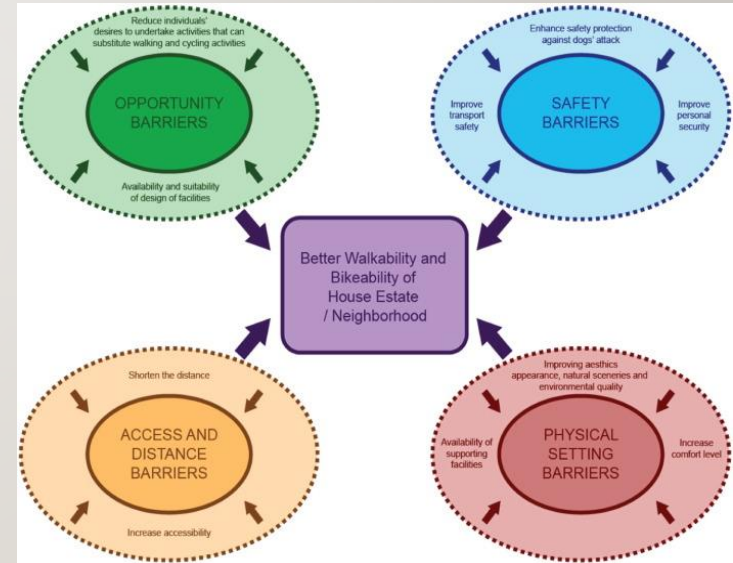
Preventive actions such as covered sneezing, wearing marks in ill condition, avoid pollutant area etc. is influenced.



CONTD...

Potential benefits of digital health promotion intervention

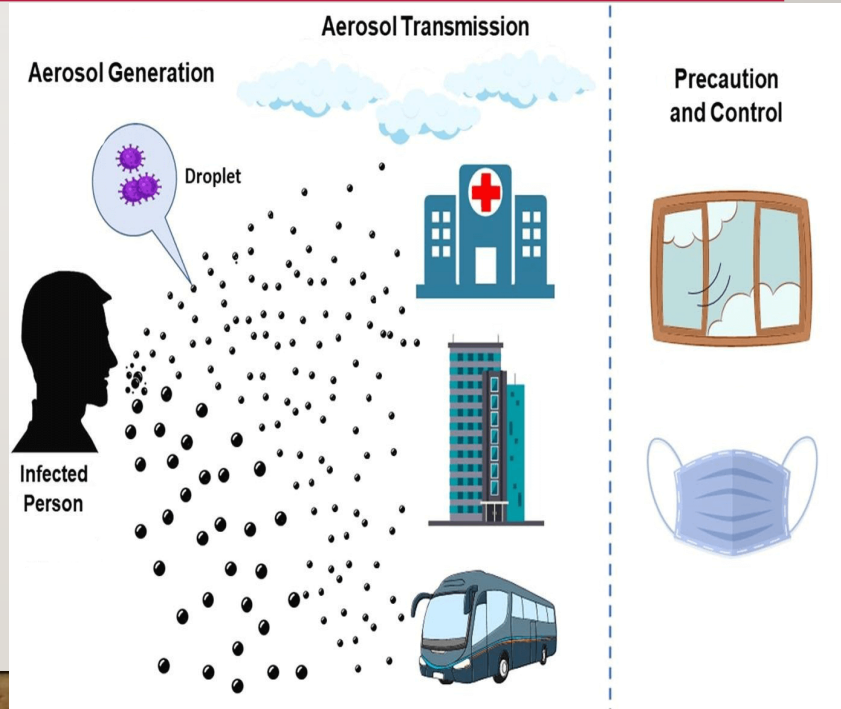
- Mobile apps lung health for kids increase knowledge of kids about respiratory system and its diseases.
- It influences preventive measures like avoid infection, covered sneezing, healthy eating, regular exercise etc.
- It also educate children about asthma, respiratory diseases, airborne disease and others (Barrett et al., 2022).
- It implement healthy habits in children that help in avoiding respiratory diseases and improve health.



CONTD...

Implication of the digital health promotion intervention on policies

- Expand children's access to information on respiratory health issues and its preventive actions
- It influences the UK government to take action that reduces air pollution for better respiratory health (Hubley and Copeman, 2018)
- Improve preventive outcomes leads to better respiratory health in children



CONTD...

Implication of the digital health promotion intervention on research and education

- The education regarding respiratory health influence student to take safety measures
- It reduces the risk of respiratory disease in knowledgeable children (Edelman and Kudzma, 2021)
- Increase healthy practice and improve respiratory health



CONTD...

- Reduce spread of disease as it influence healthy practice
- Also influence children to contribute in hygiene and health improvement
- It also motivate government to make the education of health compulsory
- Implementation of health promotion in the education system is beneficial
- It reduces the rate of asthma, airborne disease, respiratory disease etc.

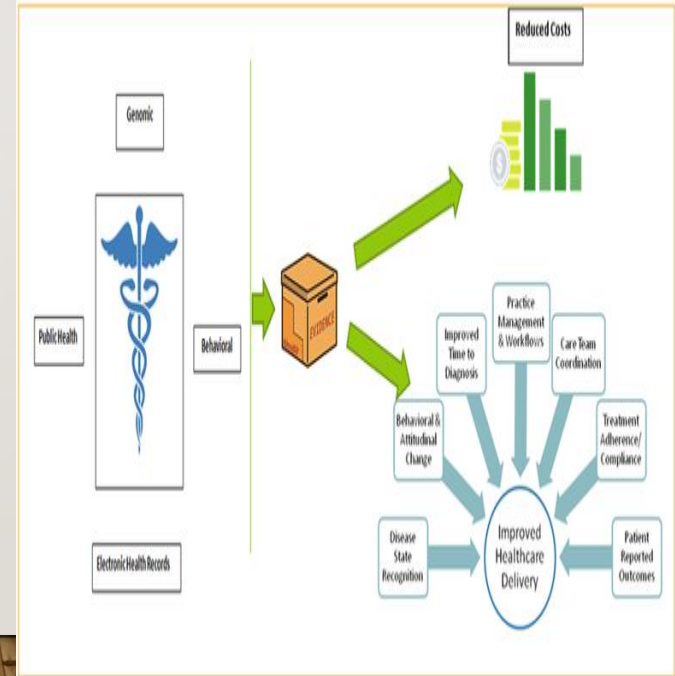


HEALTH TECHNOLOGY CONNECTION WITH BIG DATA

Big data helps the mobile apps effectively assess demographic data, respiratory system information, preventive guidance etc to follow

It influences healthy habits adoption in children by manipulating their behaviour and subconscious process

It suggests suitable strategies to reduce respiratory health issues and influence healthy habits of exercise, eating and quitting smoking etc.



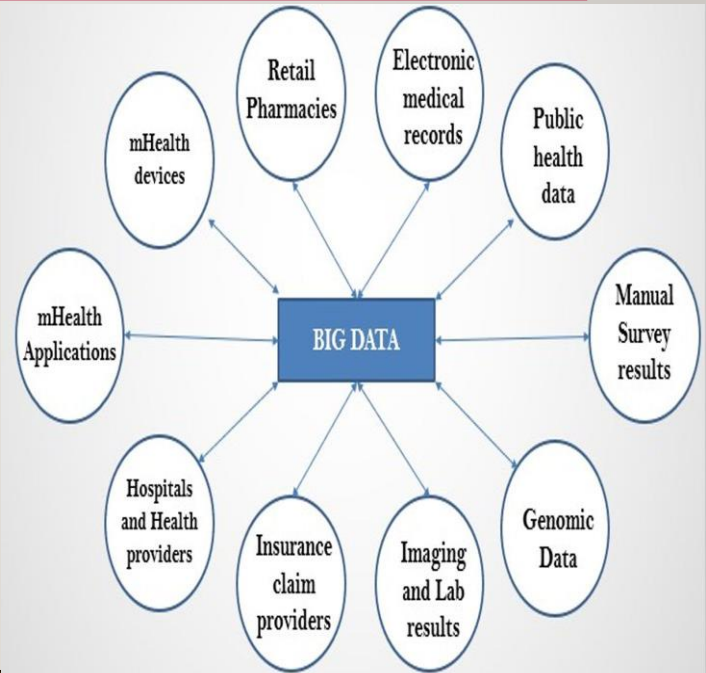
CONTD...

*Improves
respiratory health
of children*

Utilize real time
data on respiratory
systems and
disease data to
promote
respiratory health.

Engage children
with interesting and
innovative
approach of
showing
respiratory health
knowledge

Motivate children
to avoid unhealthy
habits and influence
them towards
healthy habits of
exercise, physical
activity, etc.



Reference

- British thoracic society (2019). *Guidelines | British Thoracic Society | Better lung health for all*. [online] Brit-thoracic.org.uk. Available at: <https://www.brit-thoracic.org.uk/quality-improvement/guidelines/>. [Accessed on 03.2023]
- Edelman, C. and Kudzma, E.C., 2021. *Health promotion throughout the life span-e-book*. Elsevier Health Sciences.
- Hubley, J. and Copeman, J., 2018. *Practical health promotion*. John Wiley & Sons.
- Carlsten C, Salvi S,W.Wong Gary,Chung K (2020) Personal strategies to minimise effects of air pollution on respiratory health: advice for providers, patients and the public Availabe at <https://erj.ersjournals.com/content/55/6/1902056.figures-only> Accessed on [04.12.2023]
- Scimex (2021) Lung App. Available at <https://www.scimex.org/newsfeed/whats-app-enig-with-my-lungs> Accessed on [03.12.2023]
- AAFA (2023) Respiratory Infections. Available at <https://aafa.org/asthma/asthma-triggers-causes/respiratory-infections-flu-cold-asthma/> . Accessed on [03.12.2023]
- **NHS Trust (2023) Children and Young People Services. Available at <https://www.whittington.nhs.uk/default.asp?c=3963> Accessed on [03.12.2023]**
- Dr. Giuseppe M and Dr. Ursula M (2018) Asthma management: Allocating duties. Available at <https://www.eurekalert.org/news-releases/799220> Accessed on [07.12.2023]