

9-1-2023

Chronic Illness Education 2023: Survey for COPD Risk Factors for Clinic Use

Saleh Al-Juburi

Wayne State University School of Medicine, hn0418@wayne.edu

Alexa Kalaj

Wayne State University School of Medicine, hk4757@wayne.edu

Amrutha Kotlure

Wayne State University School of Medicine, hn1127@wayne.edu

Hannah Lee


Wayne State University School of Medicine, hk8509@wayne.edu

Salvatore Serra

Wayne State University School of Medicine, fp0189@wayne.edu

See next page for additional authors

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Recommended Citation

Al-Juburi, Saleh; Kalaj, Alexa; Kotlure, Amrutha; Lee, Hannah; Serra, Salvatore; Taylor, Juwan; and Kaafarani, Mirna, "Chronic Illness Education 2023: Survey for COPD Risk Factors for Clinic Use" (2023). *Patient Education Projects*. 645.

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Authors

Saleh Al-Juburi, Alexa Kalaj, Amrutha Kotlure, Hannah Lee, Salvatore Serra, Juwan Taylor, and Mirna Kaafarani

Survey for COPD Risk Factors for Clinic Use

Authors: Al-Juburi, S., Kalaj, A., Kotlure, A., Lee, H., Serra, S., Taylor, J.

Mentor: Mirna Kaafarani (M4)

Learning Community: Red 40

Age Group: Adults (40-50 yo)

Curriculum Tie-In: Cardiopulmonary



Patient-Centered Survey to Increase Awareness About COPD

- Decision Support
 - Encourage conversations about COPD with care provider
 - Using Fletcher Diagram to provide insight on the value of smoking cessation
- Informed Activated Patient
 - Inform patients of the risk factors of COPD
 - Make patients aware of the effects outside of smoking that can contribute to the development/progression of COPD



COPD Risk Factor Assessment

Name: _____ Age: _____
 Date: _____ Sex: _____

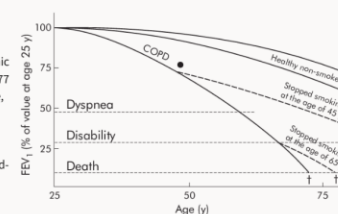
Risk Factors	Yes	No
Do you currently smoke or have a history of smoking?	<input type="radio"/>	<input type="radio"/>
If yes, would you like to discuss smoking cessation with your doctor?	<input type="radio"/>	<input type="radio"/>
Do you have a history of asthma?	<input type="radio"/>	<input type="radio"/>
Do you have a history of respiratory infections as a child?	<input type="radio"/>	<input type="radio"/>
Does anyone in your family have a history of COPD?	<input type="radio"/>	<input type="radio"/>
Have you ever had genetic testing for the ATD1 gene?	<input type="radio"/>	<input type="radio"/>
Are you exposed to air pollutants at work or at home?	<input type="radio"/>	<input type="radio"/>
Are you interested in discussing COPD with your care provider today?	<input type="radio"/>	<input type="radio"/>

References

Pleasant, R. A., Riley, I. L., & Mannino, D. M. (2016). Defining and targeting health disparities in chronic obstructive pulmonary disease. *International journal of chronic obstructive pulmonary disease*, 11, 2475–2496. <https://doi.org/10.2147/COPD.S79077>

Mannino, D. M., & Buist, A. S. (2007). Global burden of COPD: risk factors, prevalence, and future trends. *Lancet (London, England)*, 370(9589), 765–773. [https://doi.org/10.1016/S0140-6736\(07\)61380-4](https://doi.org/10.1016/S0140-6736(07)61380-4)

Smokers with airway obstruction are more likely to quit smoking - Scientific Figure on ResearchGate. Available from: https://www.researchgate.net/figure/Fletcher-and-Peto-15-diagram-discussed-with-participants-who-had-airway-obstruction-A_fig1_6976145 [accessed 25 Apr, 2023]



Summary

This project provided a unique opportunity to analyze and examine the risk factors for the development of COPD outside of solely smoking history. In doing so, we encourage patients to become more self-directive in receiving care, while also learning about a critical health issue. This survey delves into the health inequities that can contribute to a plethora of conditions as they relate to the socioeconomic determinants of health. As physicians, we can utilize this method of patient self-advocacy to allow our patients to have a hand in their own care.

