

SOCIAL DETERMINANTS OF HEALTH SCREENING AND MITIGATION STRATEGIES: A CYSTIC FIBROSIS QUALITY IMPROVEMENT PROCESS

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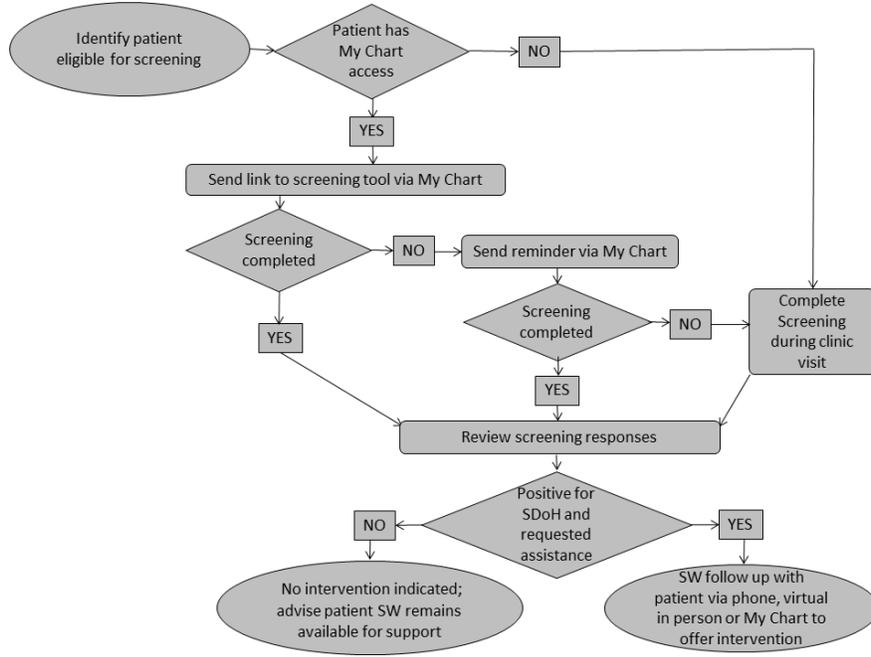
March 20, 2022

Abstract

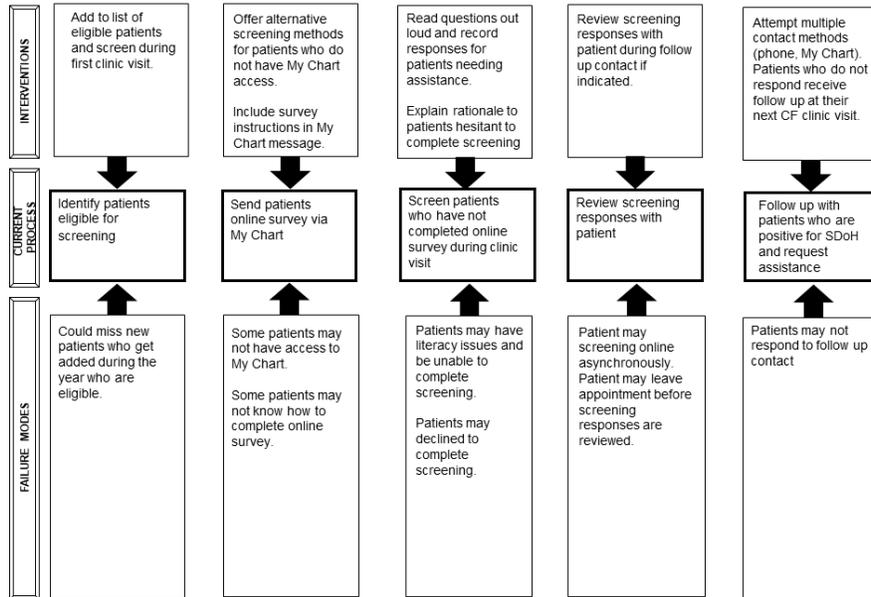
Introduction: Lower socioeconomic status is associated with significantly poorer outcomes in weight, lung function, and pulmonary exacerbation rates in People with CF (PwCF). **Global aim:** We aim to reduce health disparities and inequities faced by PwCF by screening for and addressing unmet social needs. **Specific aims:** We aimed to increase routine Social Determinants of Health (SDoH) screening of eligible PwCF from 0% to 95% and follow-up within two weeks for those PwCF who screened positive and requested assistance from 0% to 95% by December 31, 2021. **Methods:** The Model for Improvement methodology was employed. A process map and a simplified failure mode effects analysis chart were created for the screening and SDoH follow-up process. Those who screened positive for SDoH and requested assistance, a follow-up contact was made to offer intervention. **Intervention:** Adult PwCF who had at least one UVA Clinic encounter in 2021 were screened for SDoH. The SDoH screening tool included eight domains: housing, food, transportation, utilities, health-care access, medication access, income/employment and education. Follow-up was completed with all PwCF who screened positive for SDoH. **Results:** A total of 132 of 142, (93.0%) PwCF eligible for screening completed the SDoH screening. Of the PwCF who completed screening, 56 (42.4%) screened positive for SDoH. A follow-up rate of 100% was achieved in June 2021 and maintained through December 2021. **Conclusion:** Implementing screening for SDOH and follow-up to mitigate social difficulties in adult PwCF at UVA was successful and could be reproduced at other CF care center.

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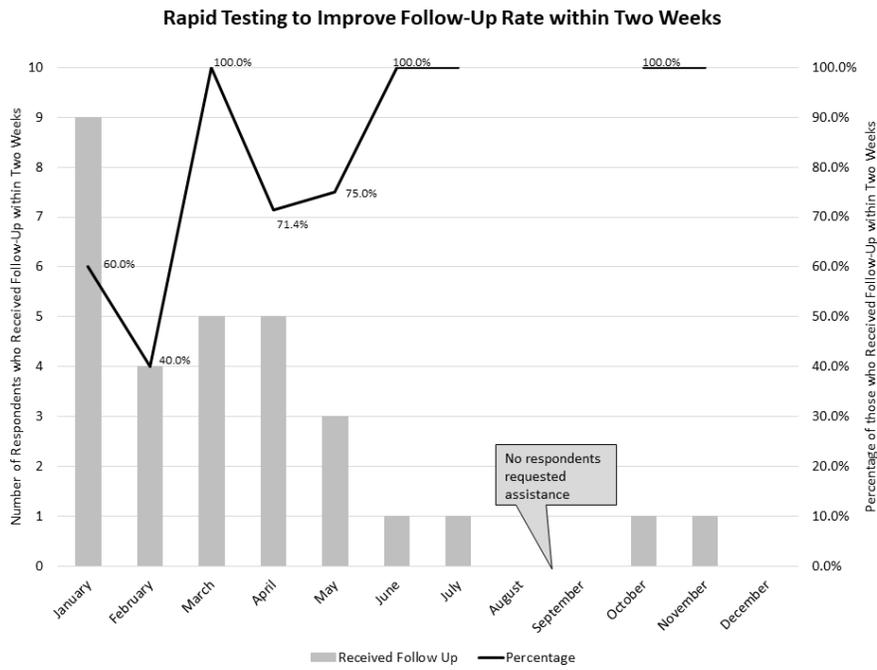
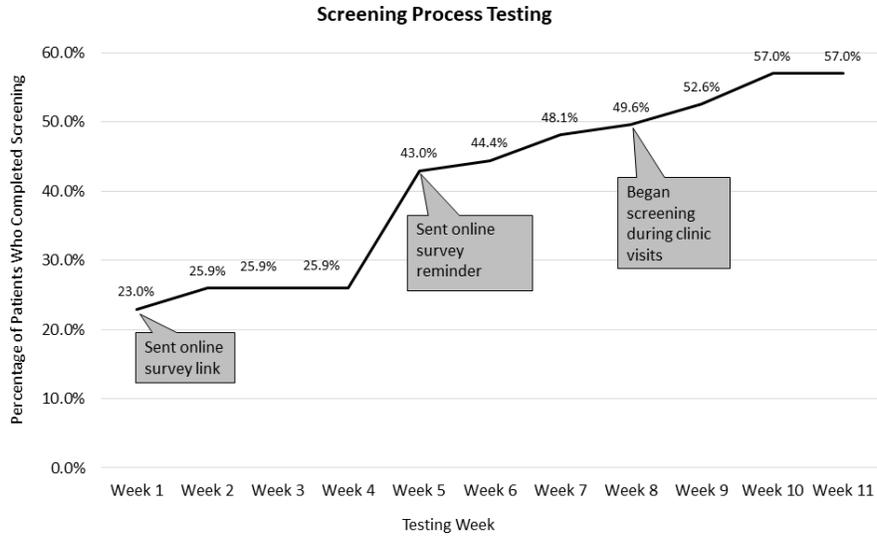
SDoH Screening and Mitigation Strategies a CF QI Process.docx available at <https://authorea.com/users/466257/articles/560594-social-determinants-of-health-screening-and-mitigation-strategies-a-cystic-fibrosis-quality-improvement-process>



SDoH Screening and Intervention Simplified Failure Mode Effects Analysis (sFMEA®)



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Table 1.docx available at <https://authorea.com/users/466257/articles/560594-social-determinants-of-health-screening-and-mitigation-strategies-a-cystic-fibrosis-quality-improvement-process>

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Table 2.docx available at <https://authorea.com/users/466257/articles/560594-social-determinants-of-health-screening-and-mitigation-strategies-a-cystic-fibrosis-quality-improvement-process>