

BACKGROUND

- The aim of this project is to identify, address and reduce the barriers to influenza vaccination rates among cystic fibrosis patients at ECU Pediatric Specialty clinic.
- Although integrated care is key in this clinic, health insurance restrictions prevents most patients from receiving vaccinations at this clinic, resulting in potential gaps in healthcare delivery.
- Following an interview with the parents of a CF patient to gain valuable insight into their healthcare experience, various areas of improvements were identified.
- By boosting vaccination rates, CF patients may receive the necessary protection that they need against influenza and mitigate any further respiratory complications.

PATIENT CARE SETTING

CLINICAL SETTING

A 10-year-old CF male patient presented to the ECU Pediatric Specialty Clinic with his family for a routine pulmonary function test and physical therapy evaluations.

With the consent of his parents, a brief interview was conducted to gain valuable insights into their child's journey with CF, their experiences with the specialty clinic, and to identify areas of improvement.

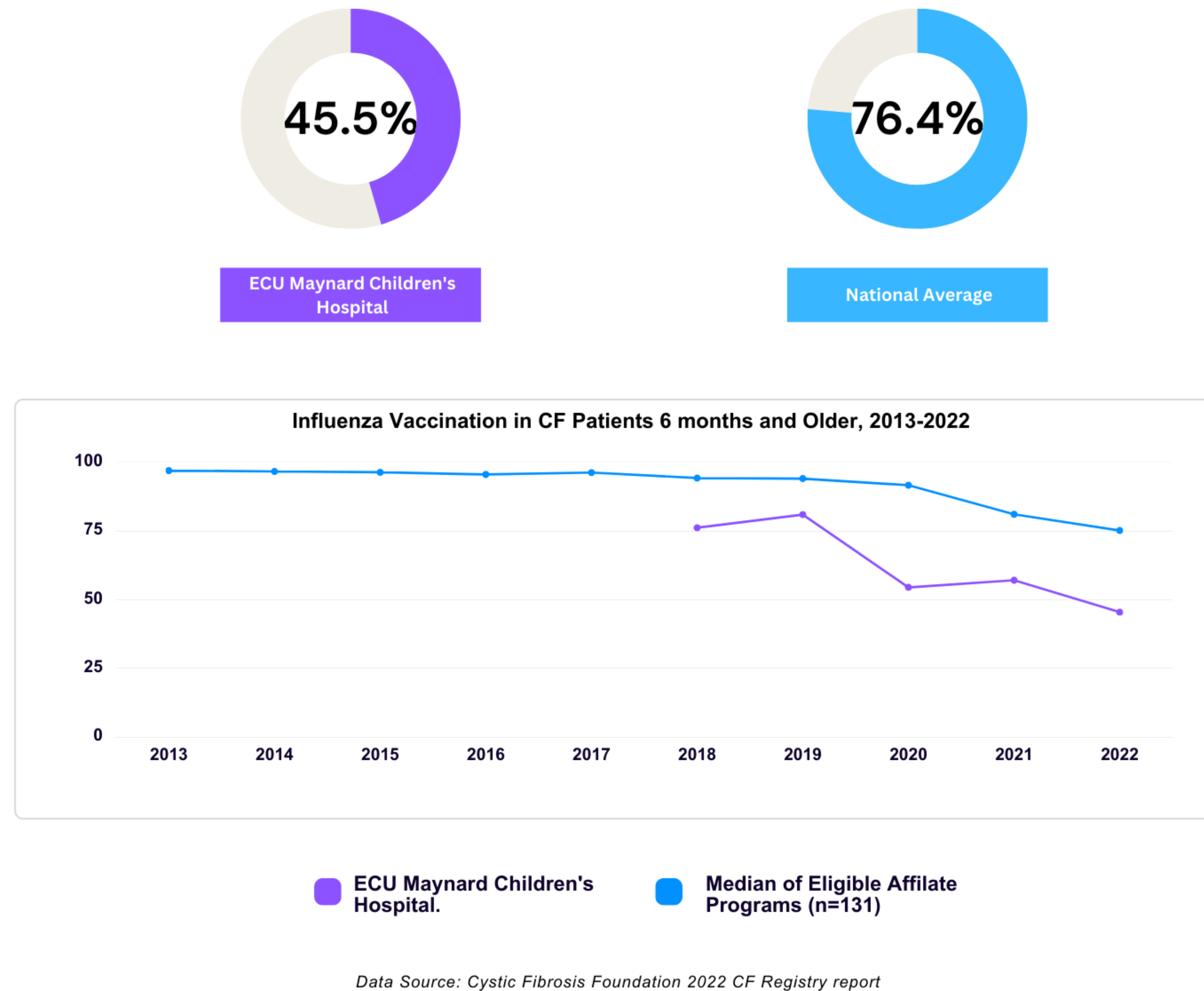
STRENGTHS

- Sanitation:** Prior to the patient's arrival, the exam room and medical equipment were thoroughly sanitized.
- Friendly atmosphere:** Each caregiver greeted the patient and his family with familiarity and a warm smile
- Support:** The staff displayed enthusiasm, offered support, stayed engaged with the child and used simple language when explaining each step to the him.
- Efficiency:** These simple measures streamlined the process. The visit was conducted in timely manner and was completed within hour.

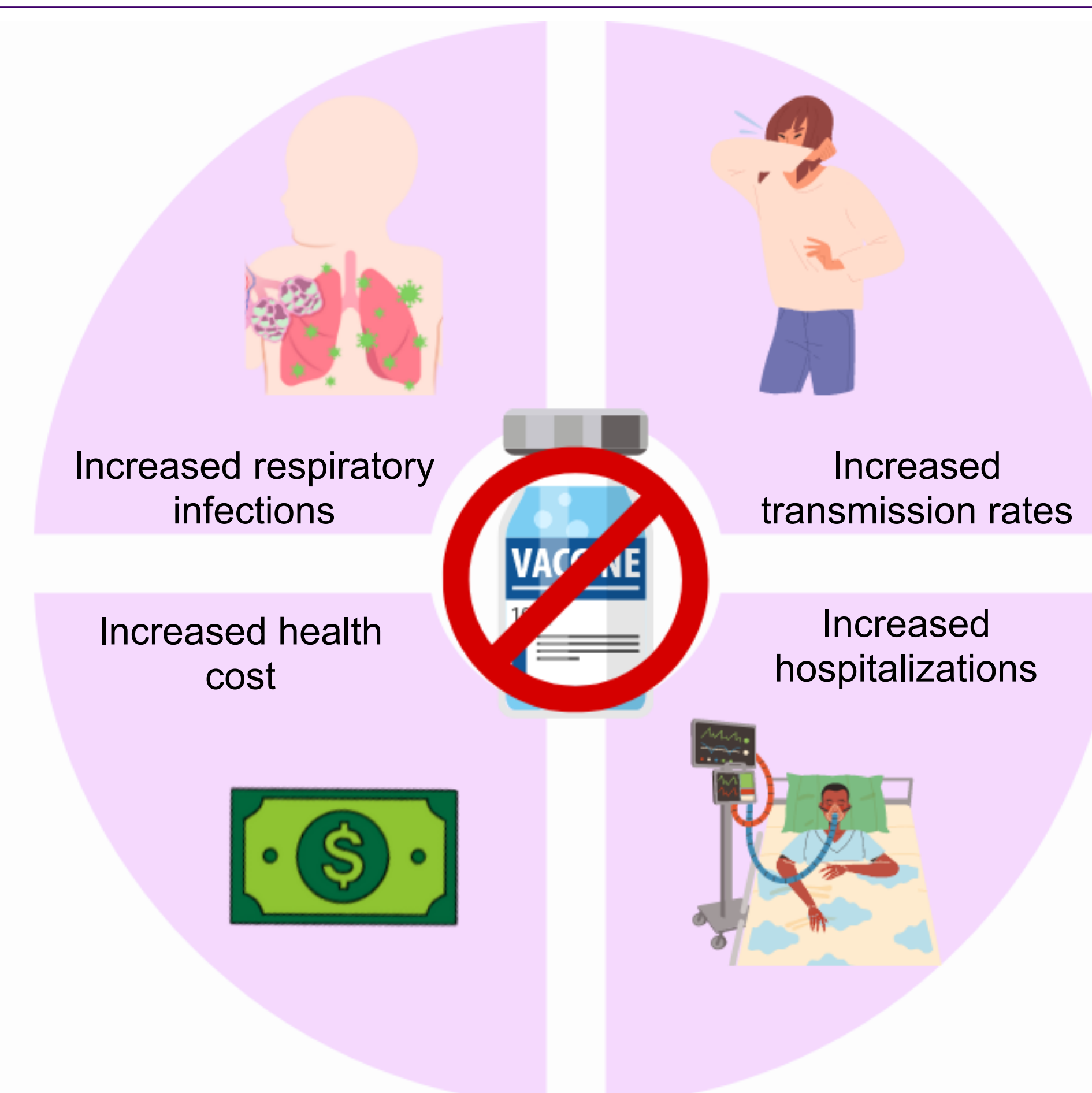


THE PROBLEM

Influenza Vaccination in CF Patients 6 months and Older in 2022

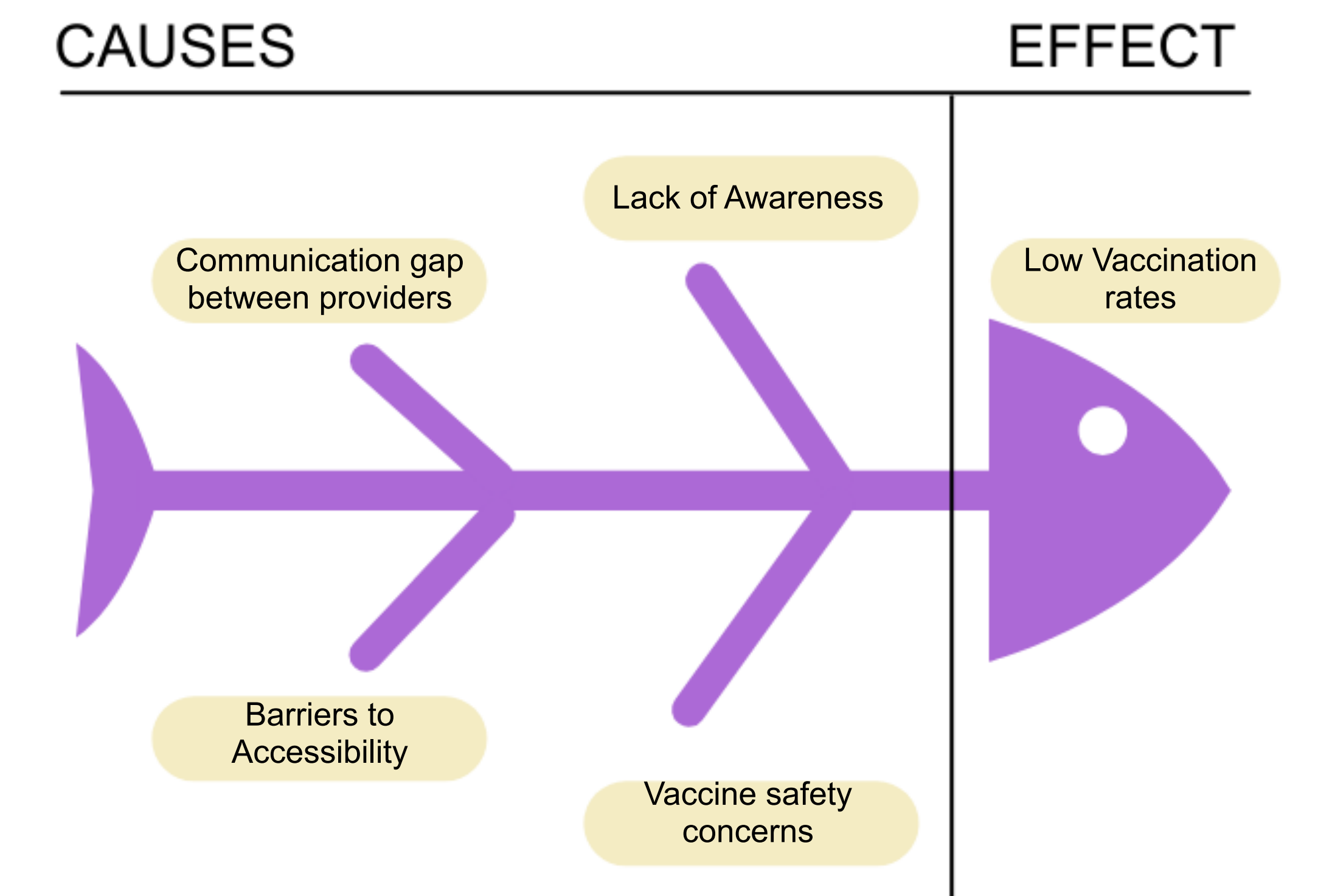


CONSEQUENCES OF LOW INFLUENZA VACCINATION RATES

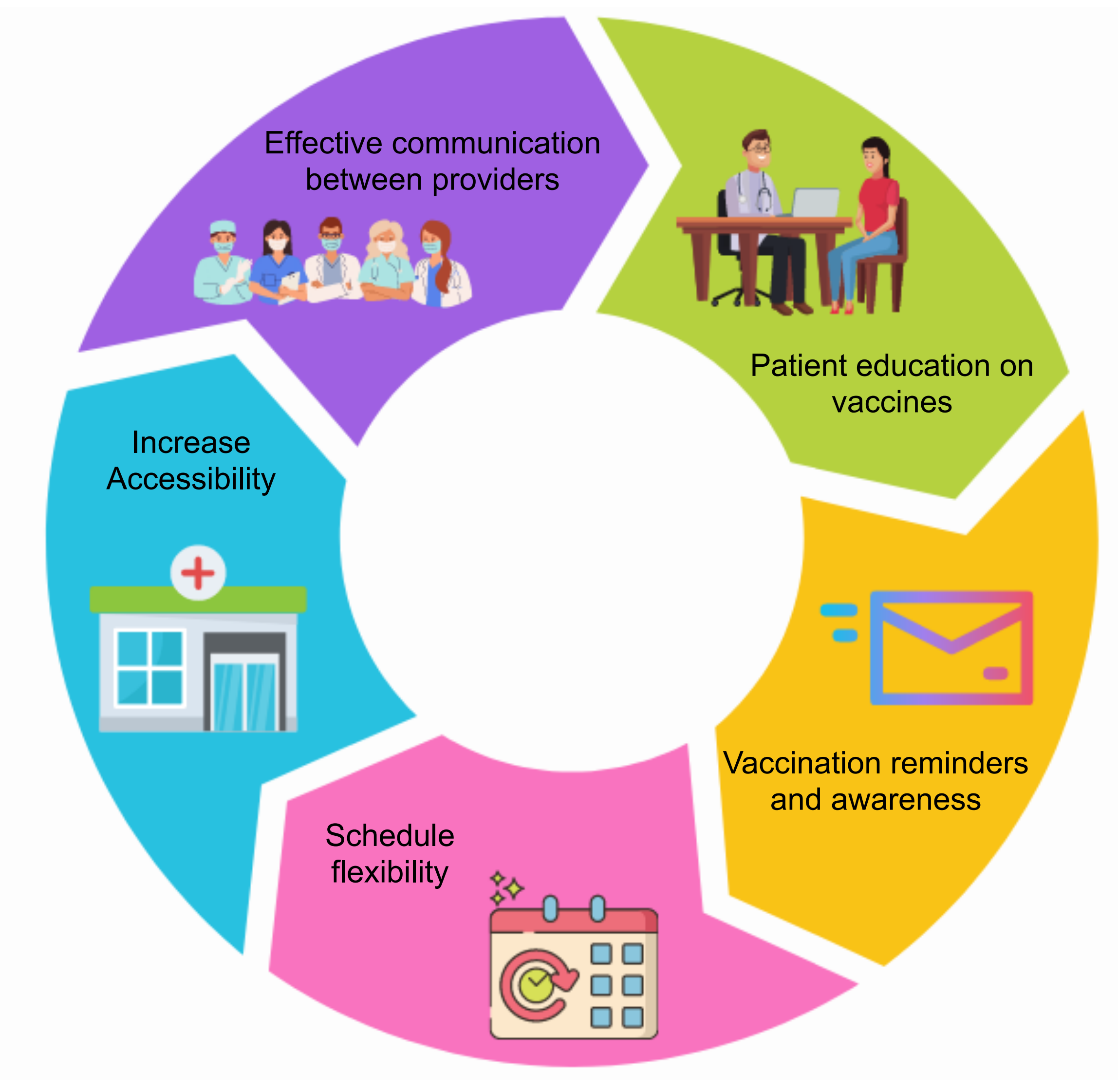


CAUSE AND EFFECT

Fishbone Diagram



PROPOSED INTERVENTIONS



REFERENCES

- Created with [BioRender.com](https://www.biorender.com)
- Cystic Fibrosis Foundation 2022 CF Registry report <https://www.cff.org/medical-professionals/patient-registry>
- Ortiz JR, Neuzil KM, Victor JC, Wald A, Aitken ML, Goss CH. Influenza-associated cystic fibrosis pulmonary exacerbations. Chest. 2010 Apr;137(4):852-60. doi: 10.1378/chest.09-1374. Epub 2009 Dec 4. PMID: 19965953; PMCID: PMC2851556.