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LEARNING OUTCOMES • Discuss the Steps to Start and Complete a Cycle of a Quality Improvement Project using the PDSA methodology. • Review an example of a Quality Improvement Project Aiming to Increase the Rate of Influenza Vaccine Administration in an Outpatient Clinical Setting.

WHAT IS QUALITY IMPROVEMENT IN HEALTHCARE?

- A systematically approach to improve care.
- Seeks to standardize processes to:
 - Achieve predictable results
 - Improve outcomes for patients and healthcare systems













ENLISTING TEAM MEMBERS

- Team Leader
- Clinical/System Leader
- Technical Experts or QIP Champions
- Improvement Advisor
- Executive Sponsor



IDENTIFY THE PROCESS TO IMPROVE AND DETERMINE THE INTERVENTION

Identify the problem or process to improve.

Identify current barriers.

- Develop Solutions and/or Intervention.
- Guide points: survey, team members' ideas, evidence theory.
- Determine intervention(s)
- Assign Tasks to the members



CHOOSE OUTCOME MEASURE

- Measurable Outcome
- Determine the metrics to measure the success
- Determine how data will be collected
- Collect Baseline data and Predict the Outcome (Goal)











ENLISTING TEAM MEMBERS

- Team Leader Physician Leader
- Clinical/System Leader Head Nurse
- Technical Experts or QIP Champions Physician; Epic team
- Improvement Advisor Physicians
- Executive Sponsor: Clinic Management Supervisor



IDENTIFY THE PROCESS TO IMPROVE

Problem or process to improve:

• Low Administration Rate of Influenza Vaccine (From Sept 2019 to February 2020): 5% (Data collected from Epic- using All encounters from patients seen at allergy clinics)

Identify current barriers/Gaps:

- Need for Improvement of:
 - The process of screening for influenza vaccine need in allergy clinics
 - The process of ordering and administering influenza vaccine in allergy clinics





SET UP AIM

What are we trying to accomplish?

• Increase the influenza vaccine administration rate From 5% (Season 2019-2020) to 15% (Season 2020-2021).



CHOOSE OUTCOME MEASURE

Determine the Metrics to Measure Outcome:
 <u>Number of Orders for Influenza Vaccine</u>
 All encounters

- Determine how data will be collected:
 - Epic data collection (non-identified)











TAKE HOME MESSAGE

• Quality Improvement Projects are a quick way of testing an intervention.

• When enlisting the team: It is important to include team members with different responsibilities in the intervention/process.

• Before starting the implementation phase: Set up a clear 1) Goal 2) Intervention and 3) Outcome.



Abuziel. Et al. Using FOCUS-PDSA quality improvement methodology model in healthcare: process and outcomes. Globlal Journal of Quality and Safety in Healthcare. 2023; 6-70 Christoff. Et al. Running PDSA clycles. Curr Pobl Pediatric Adoles Health Care. 2018; 48: 198-201 Reed. Et al. The foundations of quality improvement science. Future Hospital Journal. 2016.3: 199-202 Silver. Et al. How to Begin a Quality improvement project. CJASN; 2016; 11: 893-900 CMSWebsite: https://www.cms.gov/medicare/quality-infitatives-patient-assessment-instruments/mms/quality-measure-and-quality-improvement.#c-vtext= IHI Website: https://www.ihi.org/resources/how-improve-model-improvement