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NUR: 679

Nursing Informatics Seminar 1

Jessica Alexander

12/12/2023

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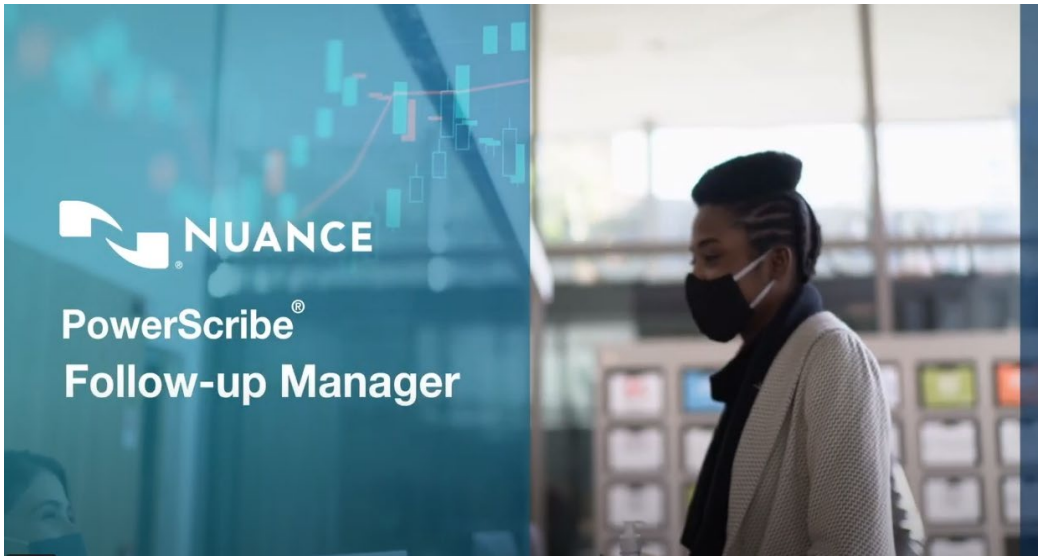
DATA ANALYSIS CAPSTONE PROJECT



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ACKNOWLEDGEMENTS

Executive Sponsor

Instructor

Student Colleagues

Husband

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PROBLEM IDENTIFICATION

- Background
- Problem Statement
- Problem Significance
- PICO question
- Purpose Statement

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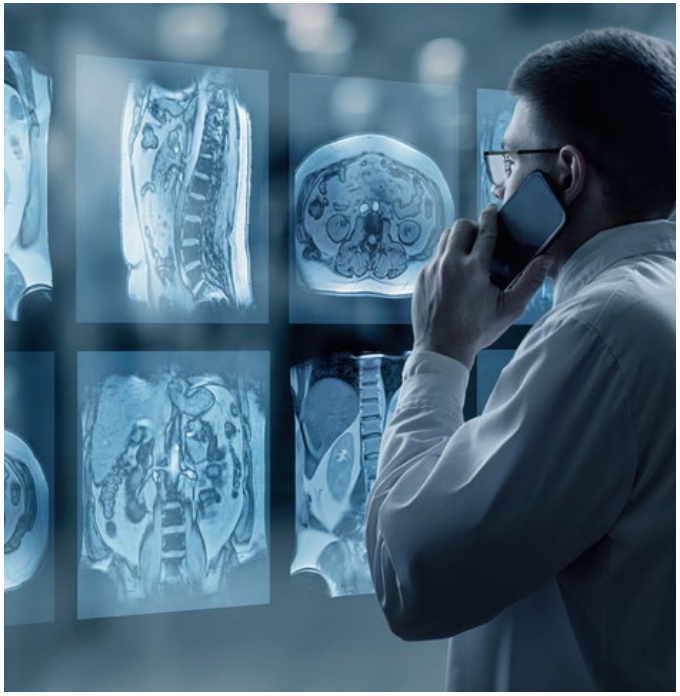
PICO



- P: AIF Patients
- I: Nuance
- C: Traditional Outreach
- O: Rate of follow up

PURPOSE STATEMENT

Closed- Loop

Improve Follow Up

Multi-System Tracking

Earlier Diagnostics

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REVIEW OF LITERATURE

- Zaki-Metias et al. (2023) closed-loop, systematic tracker that improved outreach.
- Mannix et al. (2021) success of a systematic, closed-loop system as well.
- Hammer et al. (2019) made a case for developing a similar tool, as did Bagga et al. (2022) and Moore et al., (2023).

REVIEW OF LITERATURE

- If further studies or follow up, they are considered AIF (Moore et al., 2023; Zaki-Metias et al., 2023).
- Captured in emergency (Hammer et al., 2019; Moore et al., 2023).

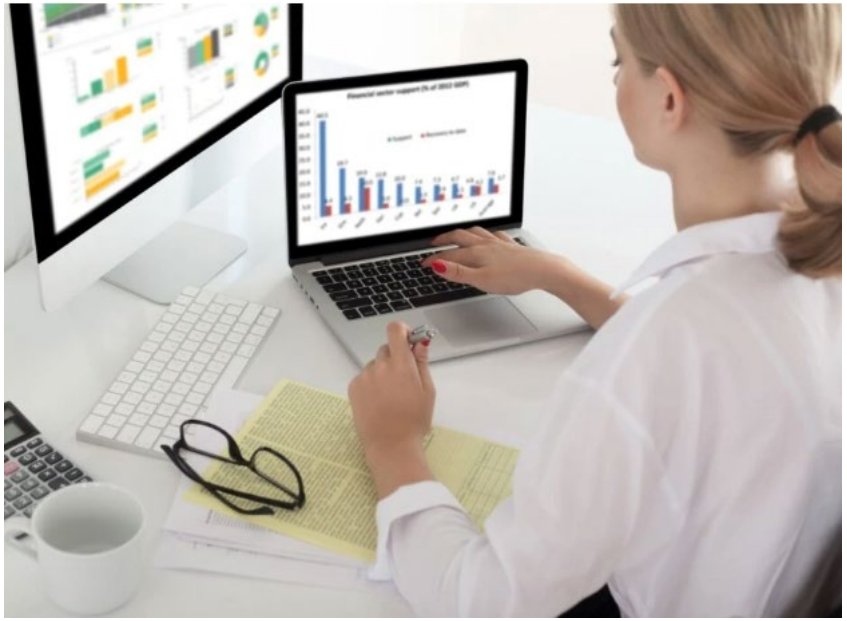
REVIEW OF LITERATURE

- Many reasons for LTFU (Bagga et al., 2022; Mannix et al., 2020). Follow up rates for AIF patients are poor (Hammer et al., 2019; Mannix et al., 2020; Moore et al., 2023)

- Consistency in outreach tracking and verbiage (Bagga et al., 2022; Hammer et al., 2019; Moore et al., 2023).

PROJECT RECOMMENDATIONS

- Informaticist to pilot
- Pilot analysis
- Noting hurdles
- Patient-centered care
- Smoother WF



PROJECT IMPLEMENTATION PLAN

- Key Stakeholders
- Barriers
- Impact
- Planning Process
- Implementation Plan

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KEY STAKEHOLDERS

<u>HCO:</u>

PROVIDERS

PMs

ANALYSTS

ENGINEERS

ARCHITECTS

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KEY STAKEHOLDERS

NUANCE:

PMs
ACCOUNT MGRs
CONSULTANTS
ENGINEERS
ARCHITECTS

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BARRIERS AND FACILITATORS

- Fiscal resources scarce
- FTE sharing
- No dedicated staff x year
- All is well until the ask

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ORGANIZATIONAL IMPACT

- Excited providers
- Attract new patients
- Attract new providers
- > imaging revenue
- < imaging access

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Health for a Better World

Poor and vulnerable

AIF creates vulnerability

Relatable and congruent

IMPLEMENTATION PLAN

- Remote Settings
- So-Cal
- Waves 2-4
- Estimates millions

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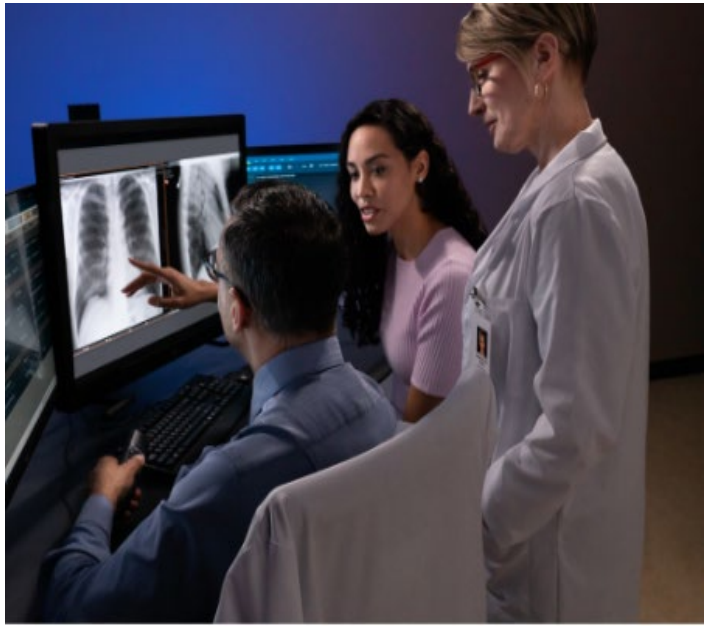
PROJECT IMPLEMENTATION PLAN



- FUM Pilot
- FUM Analysis
- De-identification
- Patient-Centered Care
- Ready Program

FUM ANALYSIS

- Demographics
- AIF data
- Reco data
- Patient responses
- Outreach success
- Outreach failure

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DE-IDENTIFICATION

IDENTIFY HURDLES OR PAIN POINTS

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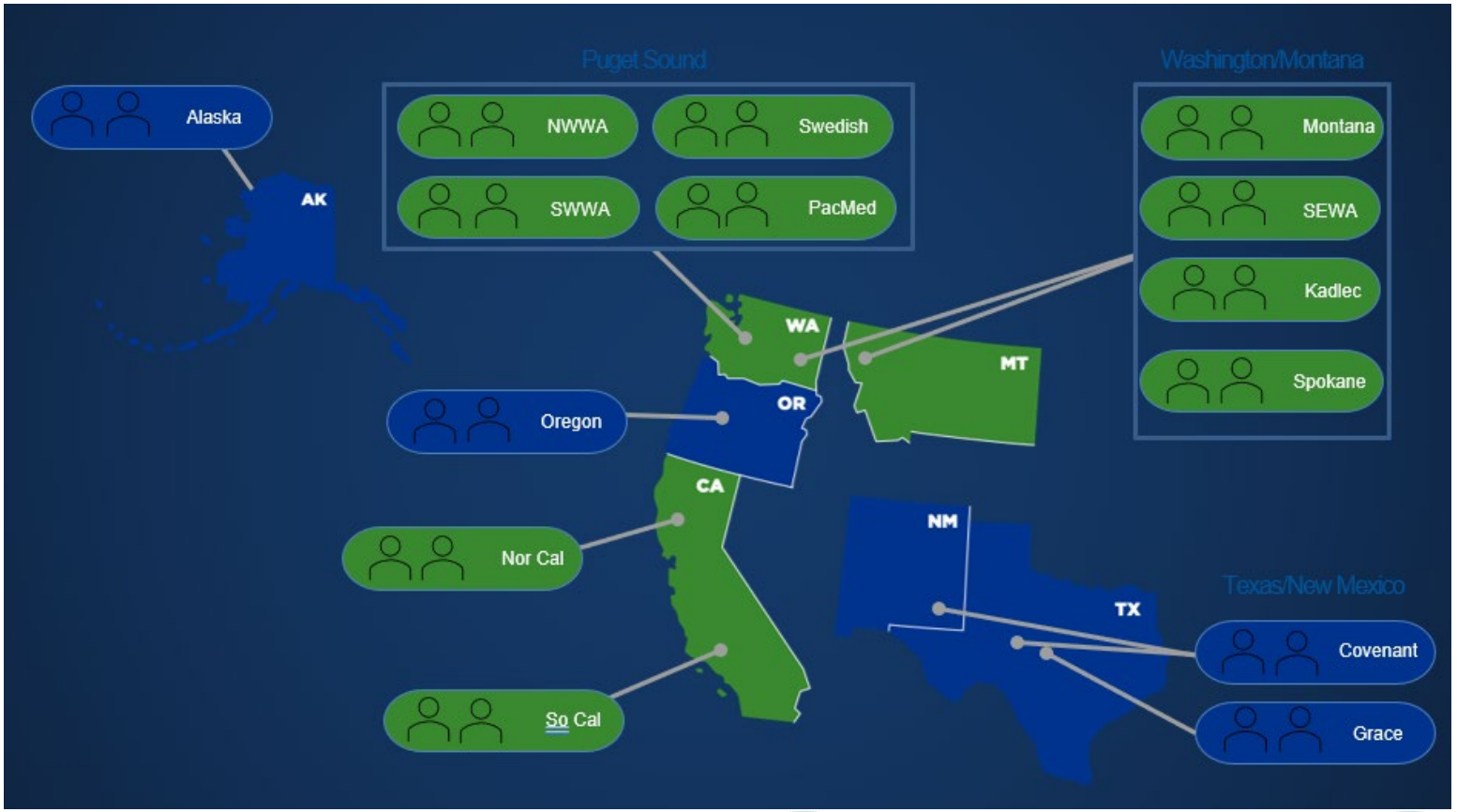
PATIENT CENTERED CARE

READY THE PROGRAM



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PROJECT OUTCOME MEASUREMENTS

- Outreach
- Compliance
- RCA FAILURES

MEASUREMENT PLAN

- Post review
- Closed- loop
- Analysis

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HUMAN SUBJECT PROTECTION

IRB

Institutional Review Board

CONCLUSION

- Problem
- PICO
- Synthesis of literature
- EB recommendations
- Project Plan ID
- IRB

QUESTIONS?

REFERENCES

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