

COVID-19 Employee 1A Vaccination Clinic: Data Analytics

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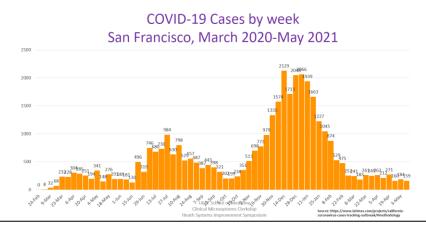
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Departments: Health Informatics, Occupational Health, Clinical

Systems, Enterprise Analytics

Background

- November/December 2020: major surge in COVID-19 cases in the U.S.
- December 11, 2020: First COVID-19 Vaccines approved in use under emergency use authorization
- To help protect our employees, patients, and the community from the surging pandemic, UCSF Health had to establish a vaccination response and delivery system to serve over 28K identified frontline healthcare workers.
- Anticipated rapid approval of 2 total manufactured vaccines in December
- UCSF treated COVID-19 vaccines as a Scheduled 2 controlled substance requiring chain of custody documentation
- Political unrest and uncertainty of the safety of both vaccine delivery and vaccination locations
- Unknown adverse effects required post administration observation interval
- No existing robust supply chain to deliver vaccine



FDA NEWS RELEASE

FDA Takes Key Action in Fight Against COVID-19 By Issuing Emergency Use Authorization for First COVID-19 Vaccine

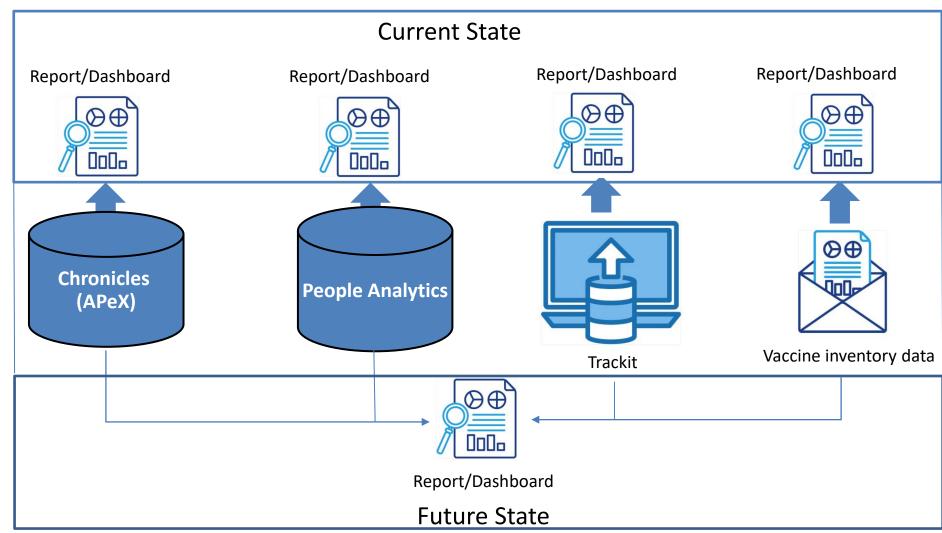
Action Follows Thorough Evaluation of Available Safety, Effectiveness, and Manufacturing Quality Information by FDA Career Scientists, Input from Independent Experts



Project Goals

Goals:

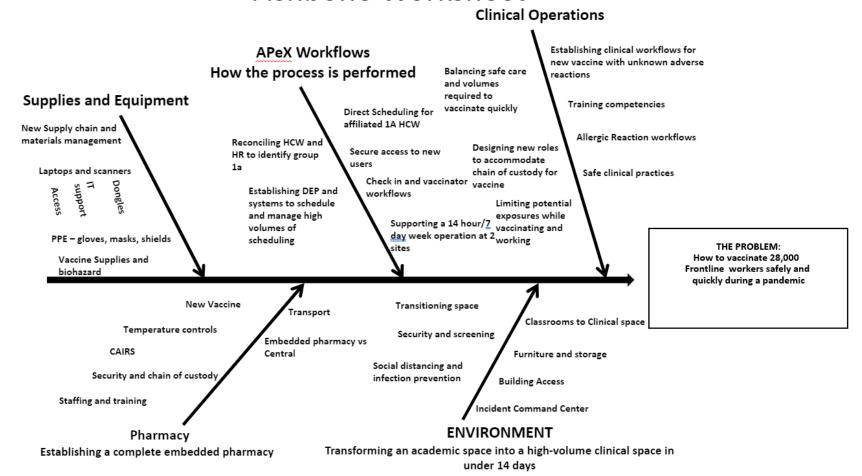
- Provide timely and accurate data to project leaders to support technical process
- Ensure data that was tracked manually could be automated for regular reporting
- Confirm data quality between systems
- Provide data transparency to UCSF community



UCSF Health Improvement Symposium 2021

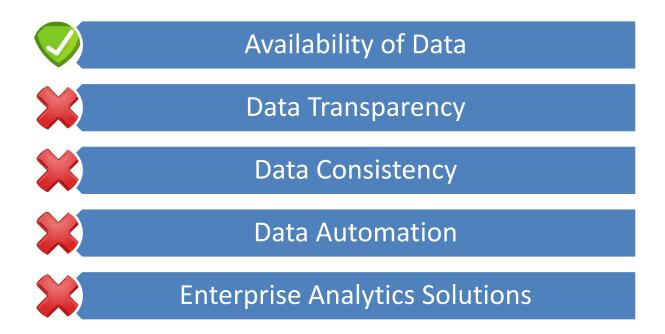
Gap Analysis

Fishbone Worksheet

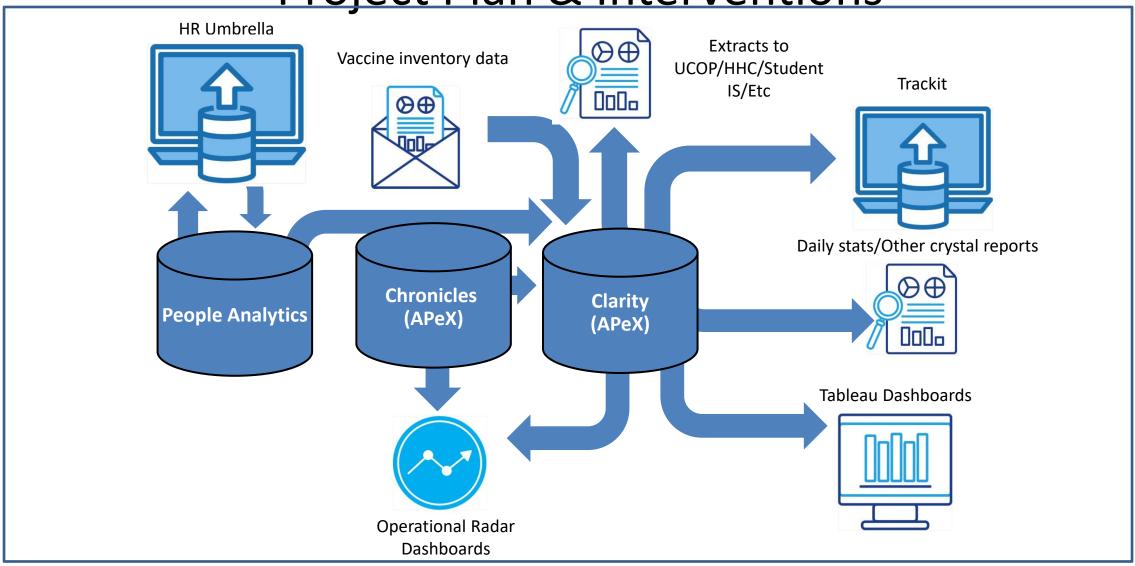


Gap Analysis

- Data sets were disparate and ability to pull overall view of vaccine clinic was difficult
- Data was not integrated between various systems
- Vaccine inventory tracking outside of system
- Manually tracked datasets made integration difficult



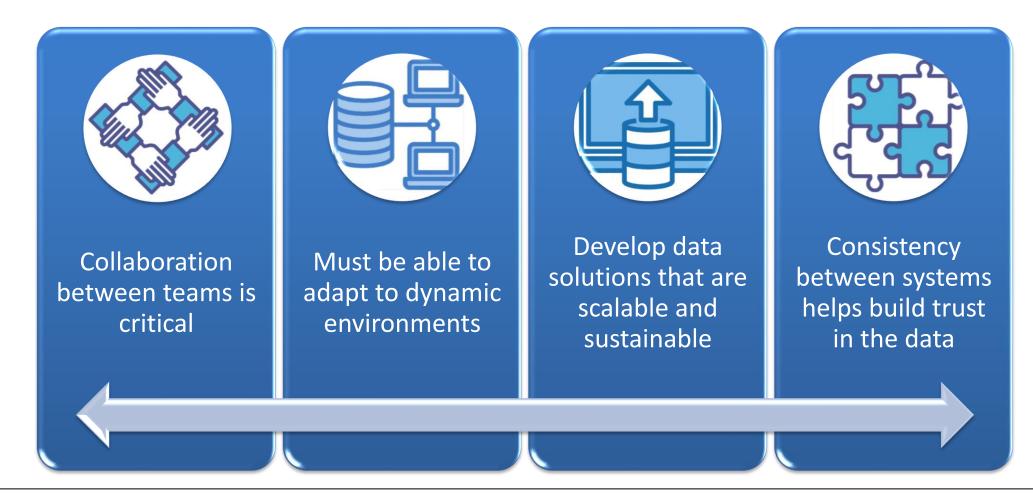
Project Plan & Interventions



Project Evaluation & Impact



Next Steps & Lessons Learned



Link to live dashboard of COVID vaccination efforts to date