



SAN MATEO COUNTY HEALTH
HEALTH INFORMATION
TECHNOLOGY

Technology & Health Care Delivery

Stephen Dean, CIO



SAN MATEO COUNTY HEALTH

HEALTH INFORMATION TECHNOLOGY

WELCOME



SAN MATEO COUNTY HEALTH

HEALTH INFORMATION TECHNOLOGY

TOPICS

- What is Healthcare IT?
- Data sharing: The good, the bad, and the ...
- What's next?

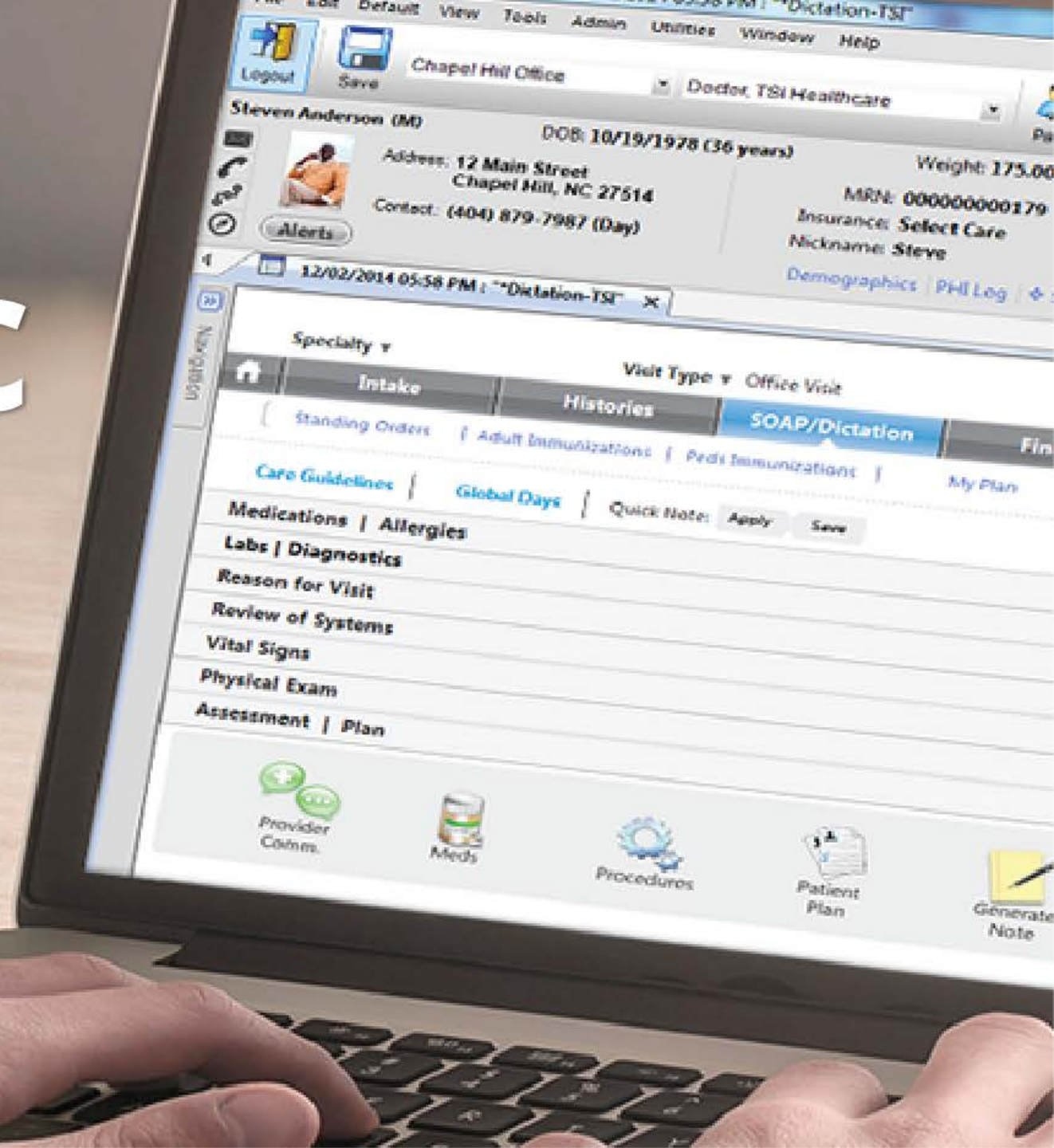


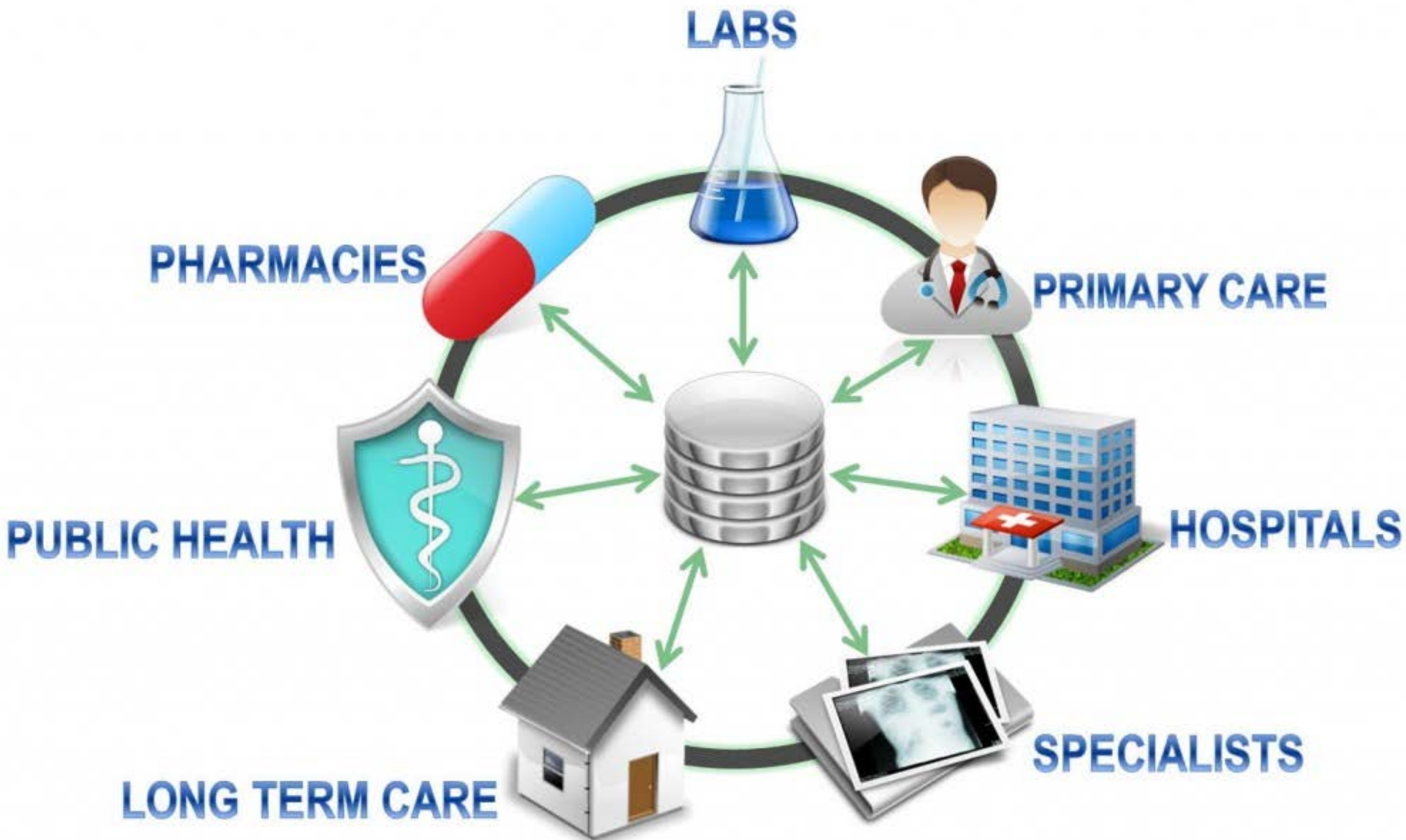
What is Health Care IT?



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Electronic Health Records





Healthcare Information Technology

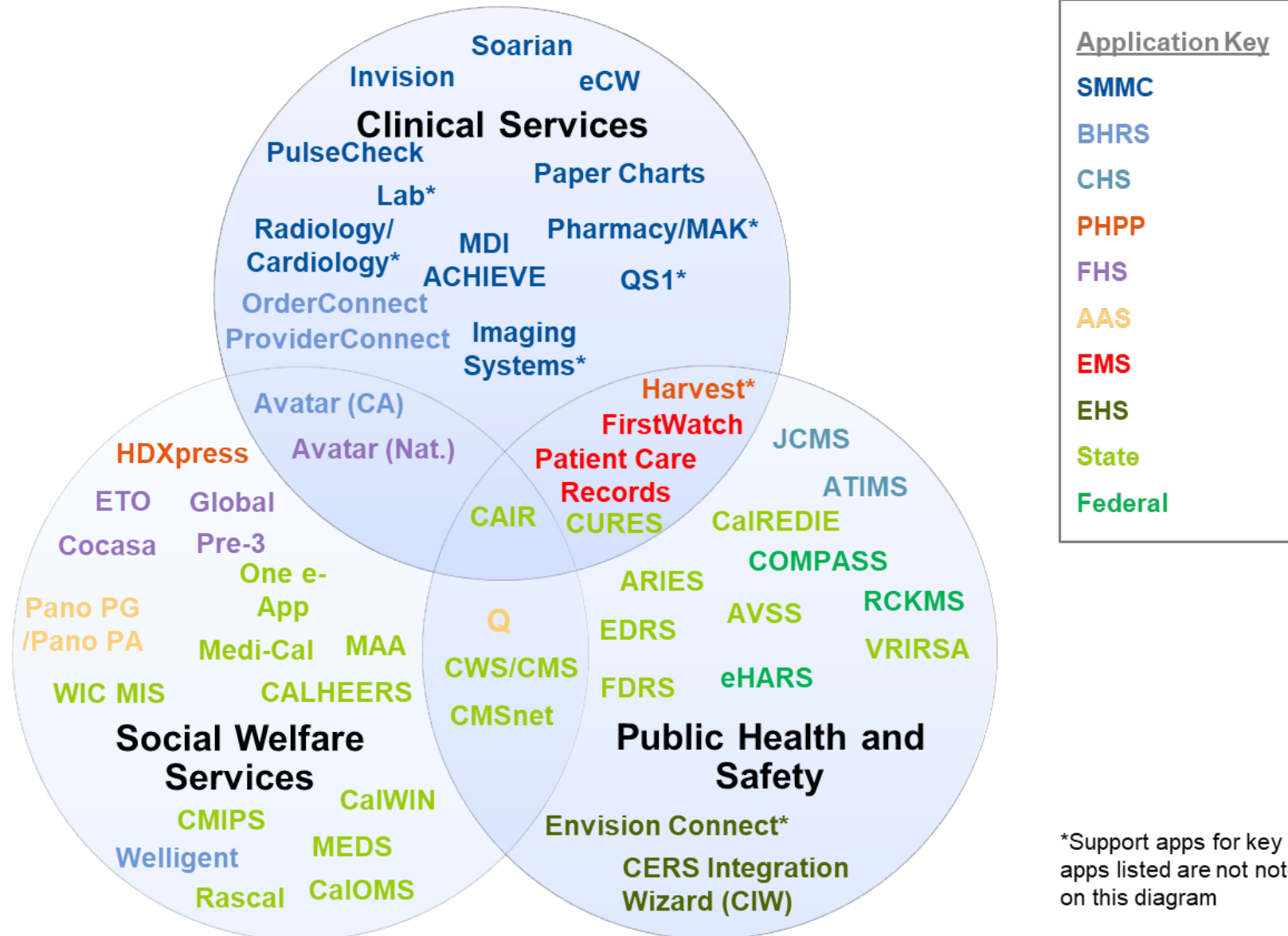
The multitude of technology tools used by physicians, nurses, health administrators, patients, insurance companies, government entities and others to compile, store, analyze and share health information. Health IT tools include electronic health records (EHR), personal health records, electronic prescription services, health-related smartphone apps and more

The background of the slide is a light blue gradient. A dark blue horizontal band across the middle contains the text. The entire slide is decorated with various medical and technology icons in a flat, stylized design. These include a green apple, a laptop with a heart rate line on its screen, a stethoscope, a microscope, a first aid kit, a smartphone with 'CALL 911' on the screen, a location pin, a pill bottle, a syringe, a pen, a calculator, a pair of glasses, a magnifying glass, and several pills. The icons are scattered around the central text area.

Health IT Mission

To support Health in envisioning and leveraging Information & Technology that helps drive towards increasingly ideal health outcomes for our clients and community.

SMC Health Application Overview



Data sharing



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COVID-19

Vaccine Clinic Calendar

COVID-19 Vaccination Program >

Data Dashboards

Testing & Contact Tracing >

Health Orders & Updates

Guidance & Resources >

SMC HEALTH DATA DASHBOARDS

VACCINATION TOTALS & LOCATIONS DATA

Vaccinations for San Mateo County residents are reported to SMC Health via the California Immunization Registry (CAIR2). COVID-19 vaccine administration data are reported as timely, accurately, and completely as data become available. Previous data will change as new and updated data are received. This dashboard provides a summary of vaccinations administered to San Mateo County residents only and does not include vaccinations provided by federal organizations such as the Department of Veterans Affairs (VA).

August 26, 2021: This dashboard draws on newly released demographic projections from the California Department of Finance, which are a refinement of [an earlier update](#) providing more accurate and detailed population estimates by race/ethnicity and



Total Individuals Vaccinated
623,627
as of
9/13/2021

County Population: **774,990**
County Population 16+ years: **635,200**
%16+ years Vaccinated: **93.5%**
County Population 12+ years: **672,183**
%12+ years Vaccinated: **92.8%**

Date Administered

from

1/1/2020

9/13/2021



Individuals Who Completed
Vaccination Series

561,304

% Completed Vaccination Series



Total Vaccine Doses Administered

1,144,892

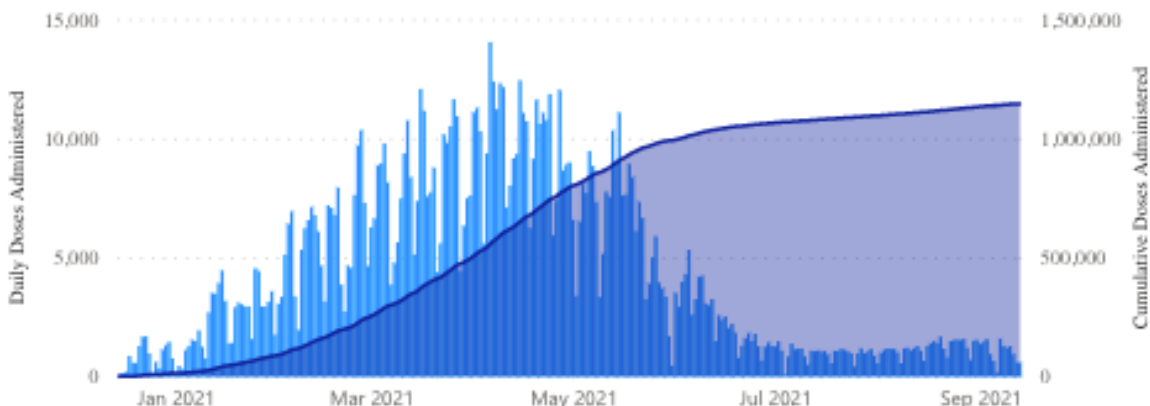
Vaccinations administered as part of federal health care organizations or programs such as the Department of Veterans Affairs (VA) report to federal immunization systems, may not report into CAIR2, and may not be included in vaccination numbers on the dashboard. On February 2, 2021, CDPH reported a possible undercount in the number of vaccinations administered to county residents for a portion of records submitted to CAIR2; corrections to previously reported vaccination data are underway.

COVID 19 Vaccinations of San Mateo County Residents

Vaccinations for San Mateo County residents are reported to SMC Public Health via the California Immunization Registry (CAIR2). COVID-19 vaccine administration data are reported as timely, accurately, and completely as data become available. Previous data will change as new and updated data are received.

Vaccine Doses Administered by Date

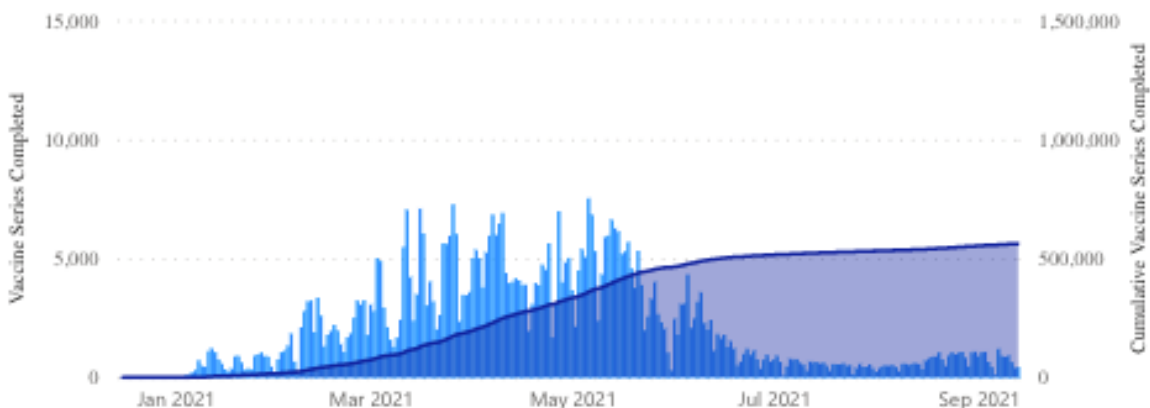
● Vaccine Doses Administered ● Cumulative Vaccine Doses Administered



Note: The first vaccine dose administered to a resident was on January 04, 2020

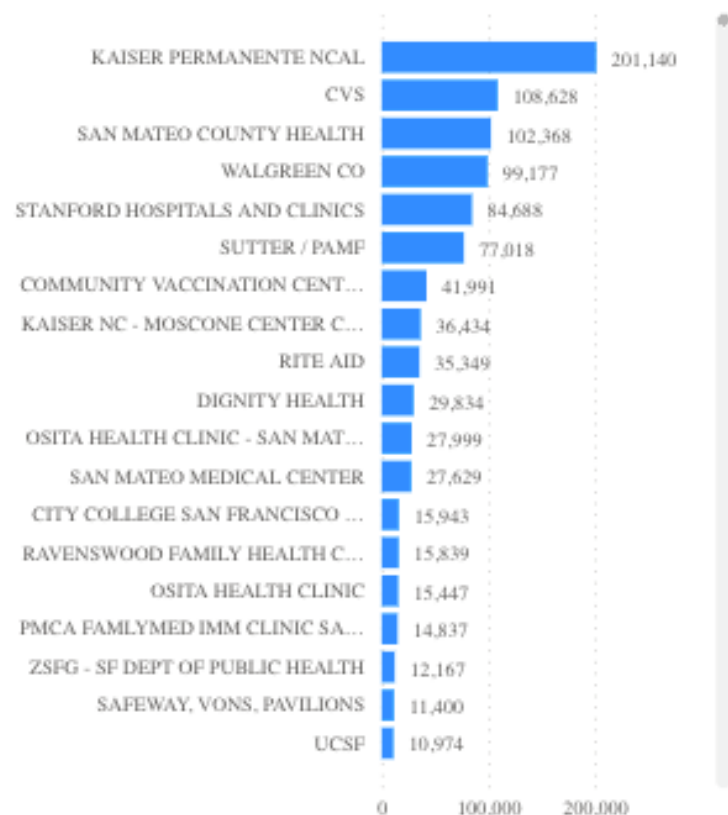
Vaccination Series Completed by Date

● Vaccine Series Completed ● Cumulative Vaccine Series Completed

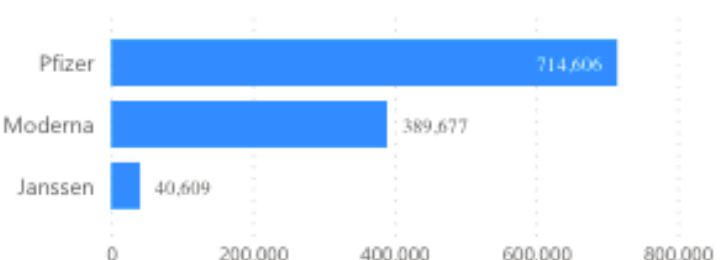


Note: Numbers in the dashboard represent those who have received the second dose of a two dose vaccine (Pfizer and Moderna) and those who have received one dose of a single dose vaccine (Janssen).

Vaccines Administered By



Vaccines Administered



04 MAY 2021

Streamlining COVID-19 Data



Working in partnership with the California Department of Public Health, the hospital associations have developed the [COVID-19 Tracking Tool](#)[↗] for collecting relevant hospital information. CDPH [requires](#)[↗] hospitals to report data via the tracking tool, and CDPH then shares the information with the U.S. Department of Health and Human Services — allowing hospitals to meet both federal and state reporting requirements without duplicating data entry. We continue to support hospitals with:

- Direct communication with state and federal leaders on changing data requirements
- Facilitating and streamlining data requests
- Ongoing updates to designated contacts at member hospitals and health systems, and staff available to address data-related inquiries



COVID-19 TRACKING



Thank you for your participation

At the request of the Governor's office, please update your data on a daily basis by noon. To do so, click the master link below and then click on the row for your hospital. If you had access to an older version of the COVID Tracking Tool you will automatically have access through this portal. If you don't have access, you can use the **request access** link in the upper right corner of this dashboard and following the prompts. Instructions for how to input your data can be accessed through the [link to instructions](#) and [link to data dictionary](#) in the upper right corner of this dashboard.

Please direct any questions to COVIDTracker@calhospital.org.

 **Request Access**

[Link to Instructions](#)

[Link to Data Dictionary](#)

 **County Dashboard**

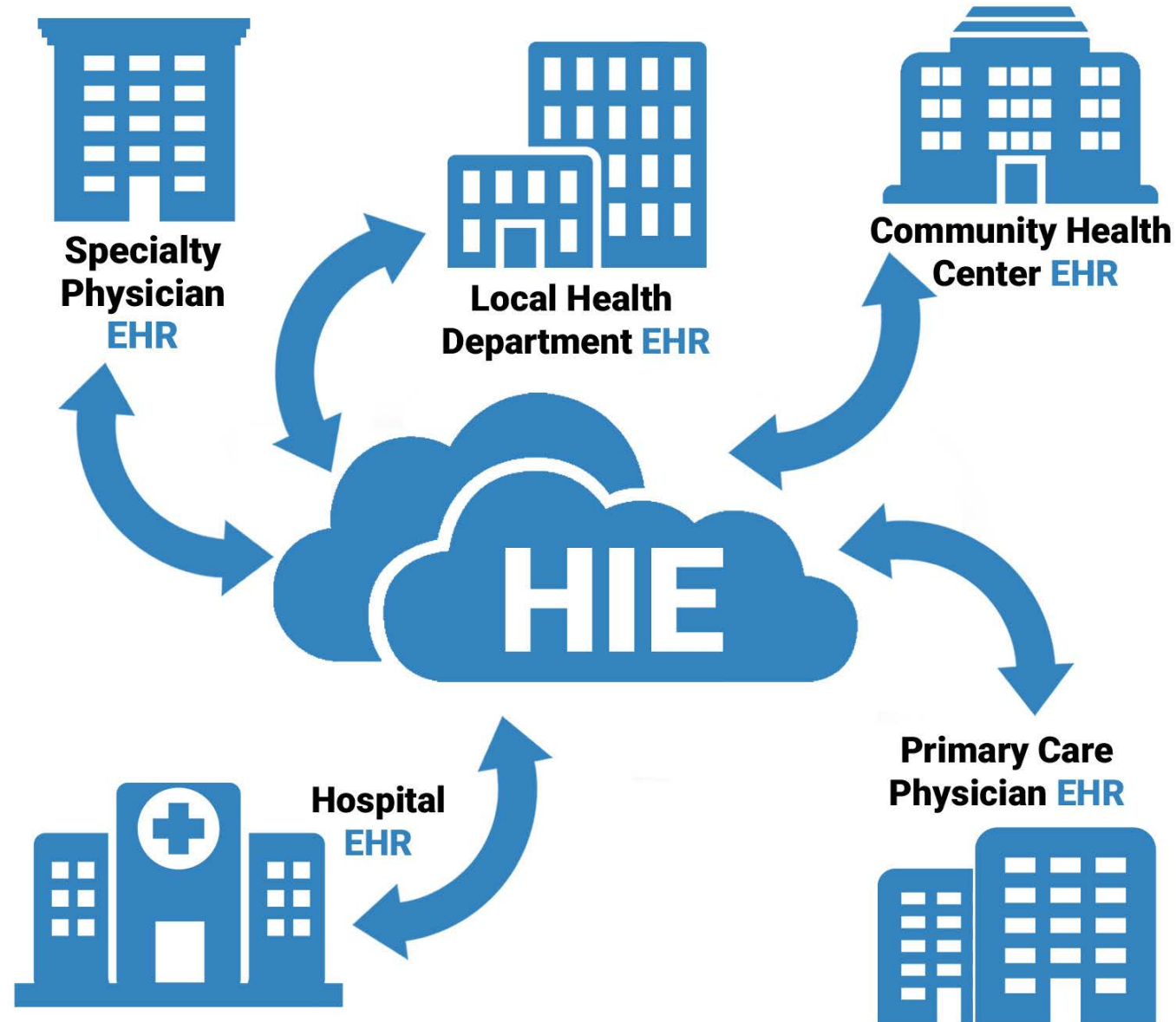
[Data Uploader Form](#)

CLICK THE LINK BELOW TO ACCESS THE CHA COVID TRACKING TOOL

[CHA COVID TRACKING TOOL \(SECURE\)](#)



Health Information Exchange





HEALTH CARE SERVICES

[General Health >](#)

[SMC Connected Care ▾](#)

[عربي](#)

[En Español](#)

[用中文（表达](#)

[Sa Tagalog](#)

[на русском](#)

[Emergency Medical Services >](#)

[Pregnancy, Children, & Families >](#)

[Teens >](#)

[Aging & Adult Services >](#)

[Mental Health & Substance Use >](#)

SMC CONNECTED CARE TEAM

Contact us if you have any questions

(650) 573-2601

hieoptions@smcgov.org

SMC CONNECTED CARE

Health Information Exchange

SMC Connected Care is a Health Information Exchange (HIE) used for the electronic sharing of health-related information for patients and clients receiving services from San Mateo County Health.

The ability to exchange health information electronically is key to improving healthcare quality, safety, and efficiency in the United States. SMC Connected Care manages the sharing of health-related information among electronic health record (EHR) systems within San Mateo County Health. This is done through a secure, encrypted data exchange using standards developed specifically for healthcare. The only people who can access and view a patient's information will be the patient's healthcare treatment team and designated staff.

Sharing health information electronically eliminates the need for faxing, copying and hand-carrying your health record from provider to provider.



Live Implementations & Their Clients



- Homecare Homebase
- AdvancedMD
- DocuTAP



80M+
DOCUMENTS
EXCHANGED
MONTHLY



600,000+
HEALTH CARE
PROVIDERS

40,000+
CLINICS

1,700+
HOSPITALS



- Cerner
- Brighttree
- Evident
- Greenway Health
- Meditech



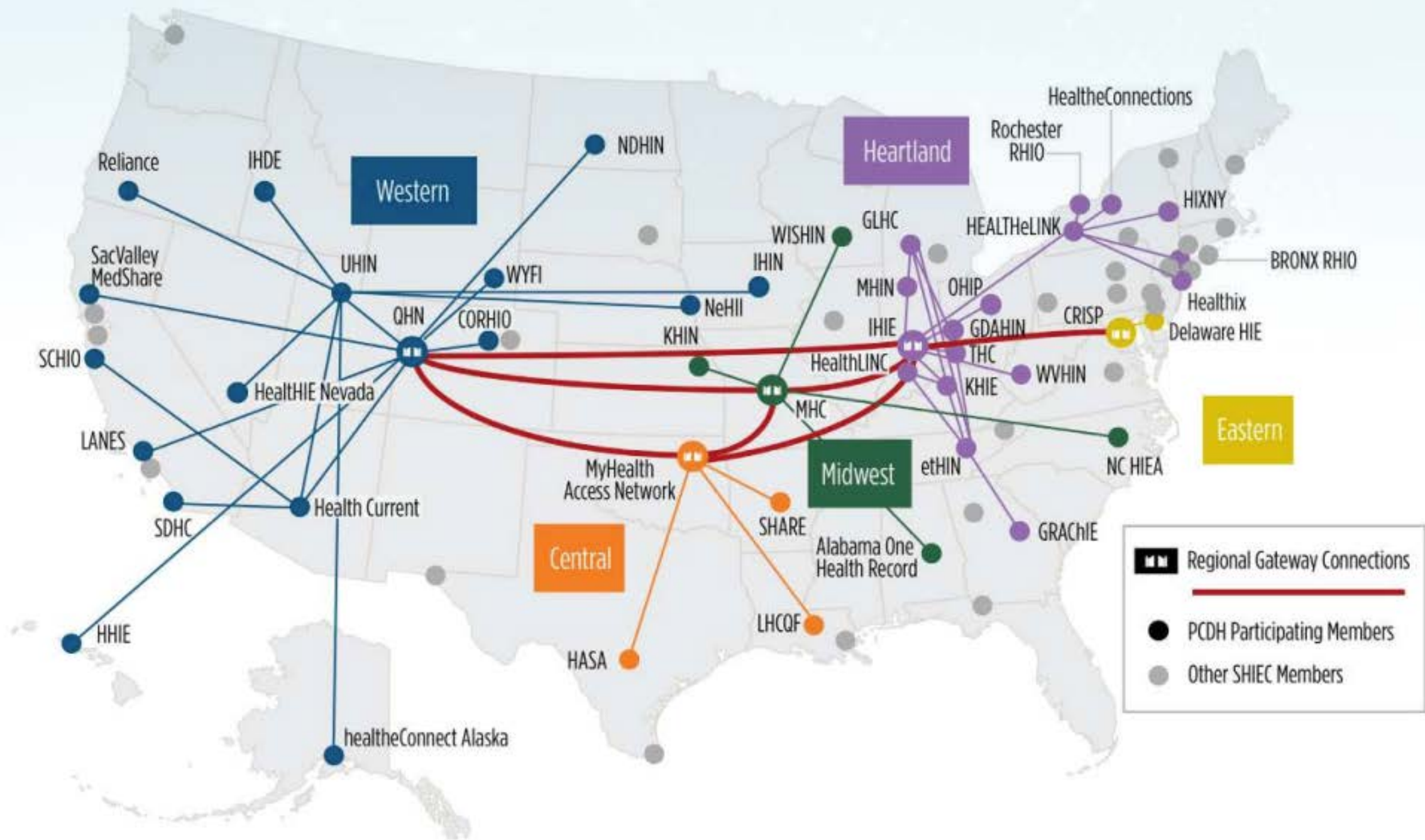
- Carevuation



PointClickCare



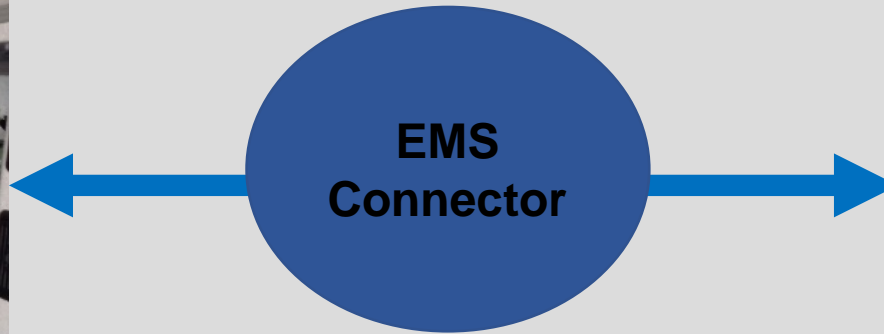
- MatrixCare
- Experian Health





- 1** Away Care Team facility sends Alert to Away HIE of a patient encounter (ADT).
- 2** Away HIE sends Alert to Home HIE based on ZIP code look up tables.
- 3** Home HIE notifies Away HIE if there are patient records. At the same time, the Home HIE sends the Alert to the patient's usual home doctors.
- 4** Home HIE and Away HIE exchange clinical data on the patient to improve short and long-term care coordination.
- 5** Away HIE delivers records to Away Care Team and Home HIE shares post-encounter summary with Home Care Team.

Real-time Connection Ambulance to ED



SEARCH
ALERT
FILE
RECONCILE

Patient Unified Lookup System for Emergencies (PULSE)

Assure health information is accessible by volunteer healthcare professionals who work in:

- Mobile field hospital
- Alternate Care Facility
- Medical Shelter

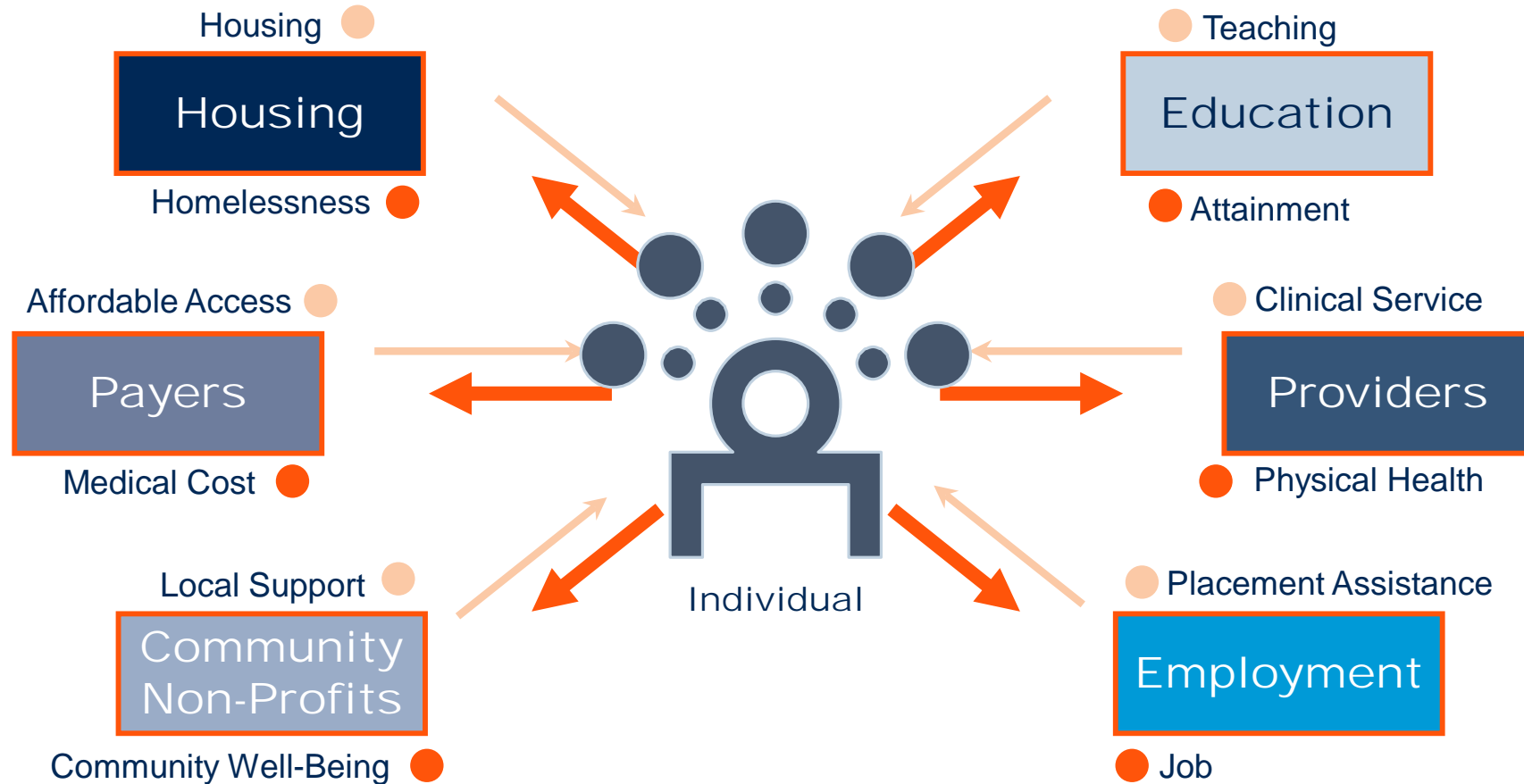


What's next?



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The Next Wave Will Be Holistic – Incorporating Social Determinants of Health









Questions?



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