

Covid-19 Healthcare Facilities Tracking Project

Health Service Agency IT

Updated 4/19/2021

Intro

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 - Stanislaus County Public Health
 - *COVID19 Healthcare Systems Guidance Unit*

Goals

- Create a platform for healthcare facilities to share information to Public Health
- Create a uniform platform that scales for healthcare facilities of all size
- Create a reporting module for us to keep track of each healthcare facility
- Create notifications/reminders for Public Health staff
- Tracking trends in data in more timely manner

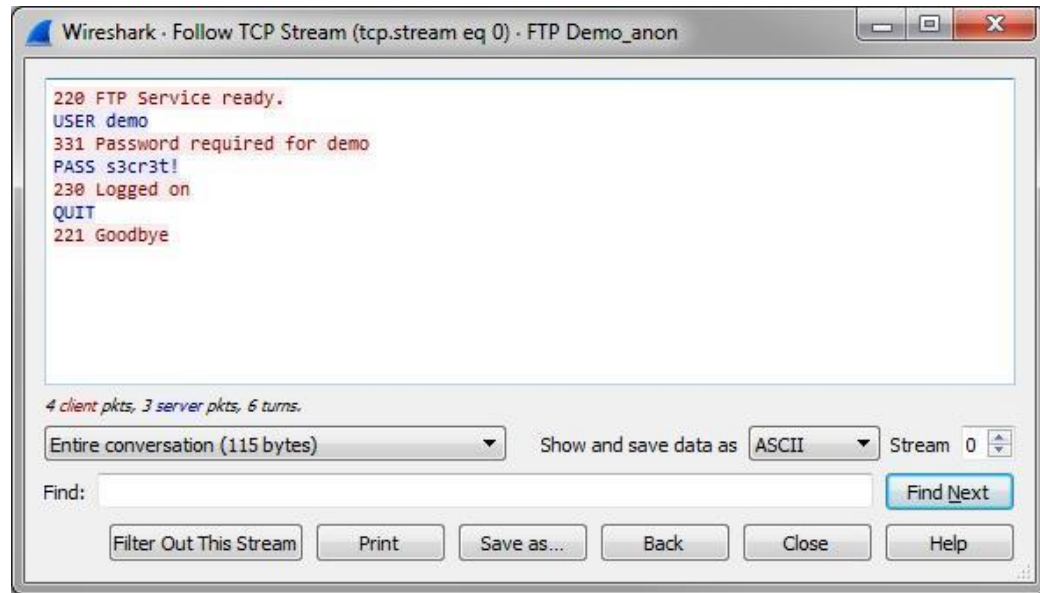
Potential Applications

- HSA Epidemiology Team
 - Track illness in our community
- Healthcare Facilities
 - Track cases in your facility
 - Produce reports in real-time
 - If exporting of report is needed, please let us know
 - Track when facility is set to be cleared

A word on Safety/Security/Access

- We understand safety is a concern for all of us.
- Our data is secured and encrypted from your browser to our database
- Encryption is the method by which information is converted into secret code that hides the information's true meaning. The science of encrypting and decrypting information is called *cryptography*.

Example of Encrypted and non encrypted traffic



No.	Time	Source	Destination	Protocol	Length	Info
471	9...	192.168.20.15	192.168.20.31	RADIUS	212	Access-Request(1) (id=100, l=168)
472	9...	192.168.20.15	192.168.20.31	RADIUS	239	Access-Request(1) (id=113, l=195)
527	9...	192.168.20.31	192.168.20.15	RADIUS	64	Accounting-Response(5) (id=112, l=20)
682	9...	192.168.20.31	192.168.20.15	RADIUS	177	Access-Accept(2) (id=100, l=133)
743	9...	192.168.20.31	192.168.20.15	RADIUS	159	Access-Accept(2) (id=113, l=115)

Code: Access-Request (1)
Packet identifier: 0x71 (113)
Length: 195
Authenticator: ae8370b7c00fe7d3ce001585526bdbdd
[\[The response to this request is in frame 743\]](#)

▼ Attribute Value Pairs

- ▼ AVP: l=6 t=NAS-IP-Address(4): 192.168.20.15
NAS-IP-Address: 192.168.20.15
- ▼ AVP: l=6 t=NAS-Port(5): 0
NAS-Port: 0
- ▼ AVP: l=6 t=NAS-Port-Type(61): Wireless-802.11(19)
NAS-Port-Type: Wireless-802.11 (19)
- ▼ AVP: l=14 t=User-Name(1): 40331acafc99
User-Name: 40331acafc99
- ▼ AVP: l=18 t=User-Password(2): Encrypted
User-Password (encrypted): 405a8f7d8528788df4c309f1619297ee
- ▼ AVP: l=6 t=Service-Type(6): Call-Check(10)
Service-Type: Call-Check (10)

Technical Requirements

- Modern Browser such as Chrome, Firefox, Edge, Safari is best
- IE will also work
- A reliable internet connection
- A username and password

New Accounts and Support

- We will provide the administrator the login information for their facility
- For questions you can email our techs
 - CovidHealthcareFacilities@schsa.org
- Feedback on functionality
 - devops@schsa.org

Account Type

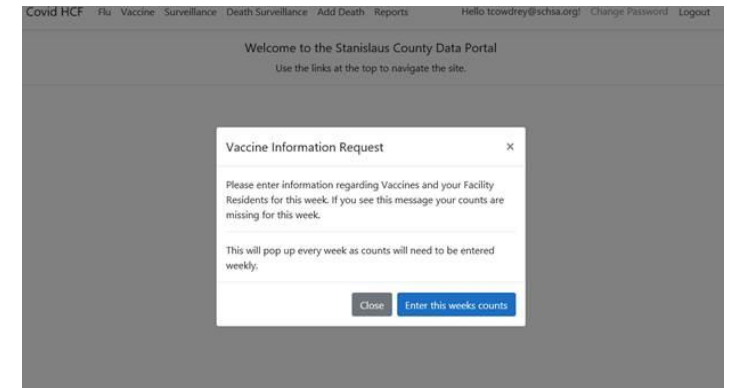
- Healthcare facility
 - View only your facility's records
- Entry
 - COVID Tests
 - COVID Vaccine (Pfizer and Moderna)
 - COVID Death

Demo Time

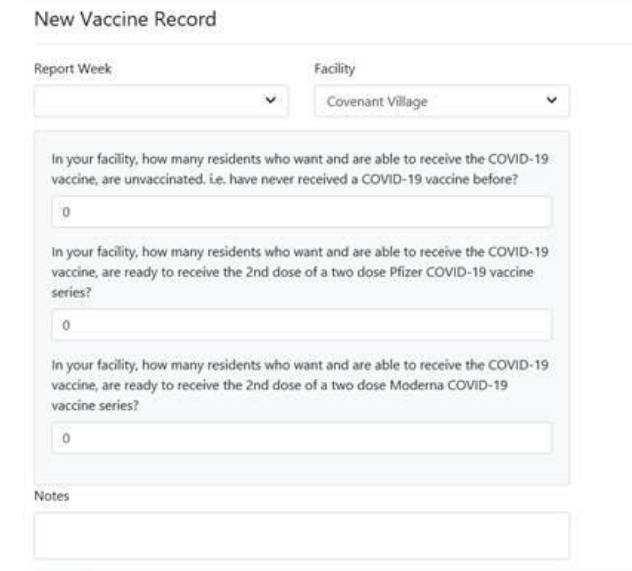
- Demo from a sample user
- Daily report
- Detailed record

Account Access

- After login, if no record has been entered for the current week, the home page will always prompt them to enter that week's number with the following popup (1).
- Click on the button "Enter" and will take you directly to a page to enter that week's numbers
- Once entered for that current week, it will no longer pop up.



(1)



The screenshot shows the 'New Vaccine Record' form. It has two dropdown menus at the top: 'Report Week' and 'Facility'. The 'Facility' dropdown is currently set to 'Covenant Village'. Below these are three text input fields, each with a '0' entered. The first field is labeled: 'In your facility, how many residents who want and are able to receive the COVID-19 vaccine, are unvaccinated. I.e. have never received a COVID-19 vaccine before?'. The second field is labeled: 'In your facility, how many residents who want and are able to receive the COVID-19 vaccine, are ready to receive the 2nd dose of a two dose Pfizer COVID-19 vaccine series?'. The third field is labeled: 'In your facility, how many residents who want and are able to receive the COVID-19 vaccine, are ready to receive the 2nd dose of a two dose Moderna COVID-19 vaccine series?'. At the bottom of the form is a 'Notes' section with a text area.

Census

- Click on Surveillance
- Enter in total number of staff; current resident count; total resident capacity
- Click "Update Facility Record" to save

****Update the facility census anytime there is a change****

The screenshot shows a web-based form for updating a facility census. A red rectangular box highlights the top section of the form, which includes three input fields and an action button:

- Total Number of staff:** Input field containing the value 50.
- Current Resident Count:** Input field containing the value 100.
- Total Resident Capacity:** Input field containing the value 550.
- Update Facility Record:** A blue button to save the changes.

Below this highlighted section, there are several filter checkboxes: "Show only Deaths", "Show only Cleared", "Show only PENDING", and "Show only POSITIVE". To the right of these are three dropdown menus: "Receiving Dialysis: All", "Transportation Outside: All", and "Underlying Health Condition: All".

Further down, there is a row of action buttons: "New", "Edit", "Copy", "CSV", "Excel", "Print", and "Add Batch Tests". To the right of these buttons is a "Show" dropdown menu set to "50" and the text "entries". A "Search:" input field is located to the right of the "Add Batch Tests" button.

At the bottom of the form, there is a table header with the following columns: "Actions", "Facility Name", "Last", "First", "Last Result/Collect", "Last Result", "Birthdate", "Gender", "Ethnicity", "Race", "Resident/Job Title", "Resident/Staff", "Phone Number", and "Clear". Below the header is a horizontal scrollbar. At the very bottom, it says "Showing 0 to 0 of 0 entries" on the left and "Previous" and "Next" links on the right.

Entering New Residents/Staff

- Click Surveillance at top of page
- Click New and enter all information into pop-up window (next slide)
- Click Create to save new entry

☐ Show only Deaths ☐ Show only Cleared Hospitalized: All ▼ Receiving Dialysis: All ▼ Transportation Outside: All ▼

New Edit Copy CSV Excel Print Show 20 ▼ entries Search:

Actions	Facility Name ▲	Last	First	Last Result Date	Last Result	Birthdate	Gender	Resident/Job Title	Phone Number	Cleared Date	Isolation Release Dat
---------	-----------------	------	-------	------------------	-------------	-----------	--------	--------------------	--------------	--------------	-----------------------

Entering New Residents/Staff cont.

Facility Name	<input type="text" value="A Place Called Home"/>
Last Name	<input type="text"/>
First Name	<input type="text"/>
Birthdate	<input type="text"/>
Gender	<input type="text" value=""/>
Ethnicity	<input type="text" value=""/>
Race	<input type="text" value=""/>
Resident/Job Title	<input type="text"/>
Resident/Staff	<input type="text" value=""/>
Last Day Worked?	<input type="text"/>
Phone Number	<input type="text"/>
Cleared Date	<input type="text"/>

★ Required and important – If it does not apply to you, please put NA

Symptoms	<input type="text" value=""/>
Sx Onset Date	<input type="text"/>
Units 48 Hours Prior Sx Onset	<input type="text"/>
Current Unit	<input type="text"/>
Visitors	<input type="text" value=""/>
Known Exposures	<input type="text"/>
Hospitalized	<input type="text" value=""/>
Deceased Date	<input type="text"/>
Receiving Dialysis	<input type="text" value=""/>
Dialysis Center	<input type="text"/>
Transportation Outside	<input type="text" value=""/>
Smoking Status	<input type="text" value=""/>
Underlying Health Condition	<input type="text" value=""/>
Notes	<input type="text"/>

Create

Entering a New Test Date/Result

- Click Surveillance
- Use search bar to find specific resident/staff
- Click Add Test
- Enter in new information
 - Please ensure to select whether this is a Vaccine data entry or Test
 - If patient/staff refuse to test, please select "Refusal to Test"
 - When entering vaccine dose, please enter same date for both Collection and Result
 - If patient/staff refuse to vaccinate, please select appropriate selection.
- Click Create to save new entry
- Click Close to avoid saving an entry

****Only add tests when you have the results****

NICHOLAS ROMERO

Collection Date

Result Date

Type (Vaccine/Test)

Result

Create

01/2020 09/08/2020

Batch Uploading Test Dates/Results

- Select all records that share a test collection date, test result date, result, and notes
 - Any information you add in the notes section will apply to ALL residents/staff you selected
 - Click Add Batch Tests
 - Enter information into pop-up
 - Click Create to save entry
 - Click Close to cancel entry
 - All selected records will now have this test added to their testing record
- **Only add tests when you have the results****

New

Edit

Copy

CSV

Excel

Print

Add Batch Tests

Show 20 entries

Search:

Actions

Facility Name

Last

First

Last Result Date

Last Result

Birthdate

Gender

Resident/Job Title

Phone Number

Cleared Date

Isolation Release Date

 Add Test | Details

 Add Test | Details

 Add Test | Details

 Add Test | Details

test

test

09/01/2020

09/08/2020

Add MULTIPLE Test Result

×

Collection Date

mm/dd/yyyy



Result Date

mm/dd/yyyy



Result

Note

Close

Create

Entering/Changing Records – *2 options how to make changes*

- To add/change information for a resident/staff, click the field of interest and a box will appear
 - You can modify all fields except for Last Result Date and Last Result
- Enter in new information and **press the > sign to save**

If you are unable to make changes, please see next page.

New Edit Copy CSV Excel Print Add Batch Tests Show 20 entries Search:

Actions	Facility Name	Last	First	Last Result Date	Last Result	Birthdate	Gender	Resident/Job Title	Phone Number	Cleared Date	Isolation Release Date
<input type="checkbox"/> Add Test Details											
<input type="checkbox"/> Add Test Details		test	test	09/10/2020	Positive	09/08/2020	M			9/1/2020	09/08/2020
<input type="checkbox"/> Add Test Details				09/24/2020	Negative						
<input type="checkbox"/> Add Test Details											
<input type="checkbox"/> Add Test Details											
<input type="checkbox"/> Add Test Details											
<input type="checkbox"/> Add Test Details											
<input type="checkbox"/> Add Test Details											

September 2020

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

If you are unable to save, please make sure these two sections have the selected information saved.

[illegible]

If you are still unable to save using this step, please follow the next steps on the next page.

Troubleshooting – Editing/Changing Records

1. Select the individual to edit/change records
2. Click on "Edit" above the line list
3. Make changes as needed in Pop up Window
4. Click "update" to save changes

The screenshot displays a software interface for managing records. At the top, a toolbar contains buttons: New, Edit (circled in red with a '2'), Copy, CSV, Excel, Print, Add Batch Tests, and a 'Show 50 entries' dropdown. Below the toolbar is a table with columns: Actions, Facility Name, Last, First, Last Result Date, Last Result, Birthdate, Gender, and Res. The first row of the table has a checkbox, an 'Add Test' button, and a 'Details' link. A red circle with a '1' highlights the first row. To the right, an 'Edit entry' pop-up window is open, showing fields for Facility Name (Acacia Park Nursing and Rehab), Last Name, First Name, Birthdate, Gender (F), Ethnicity, Race, Resident/Job Title, Resident/Staff (Staff with Patient Contact), Last Day Worked?, Phone Number, Cleared Date, Isolation Release Date, Verified Positive, PG Note, Closed CC, Symptoms, Sx Onset Date, Units 48 Hours Prior Sx Onset, Current Unit, Visitors (No), and Known Exposures. A calendar is visible on the right side of the pop-up. At the bottom of the pop-up, an 'Update' button is circled in red with a '4'. A red arrow points from the 'Edit' button in the toolbar to the 'Edit entry' window.

Hiding a Record

- Resident/Staff record no longer associated with the facility

****Can't undo this action****

The screenshot shows a web interface with a table of actions and a confirmation dialog. The table has a header 'Actions' and three rows. Each row has a checkbox, an 'Add Test' button, a 'Details' link, and a 'Hide' button. A red arrow points from the 'Hide' button in the third row to a confirmation dialog. The dialog has a title bar with a close button (X) and the text 'You are about to hide this record'. Below the title bar is a text input field containing 'Irene Abraham'. At the bottom of the dialog are two buttons: 'Close' and 'Hide'.

Actions			
<input type="checkbox"/>	Add Test	Details	Update Last Test Hide
<input type="checkbox"/>	Add Test	Details	Hide
<input type="checkbox"/>	Add Test	Details	Hide

You are about to hide this record

Irene Abraham

Close Hide

Contact CovidHealthcareFacilities@schsa.org to unhide.

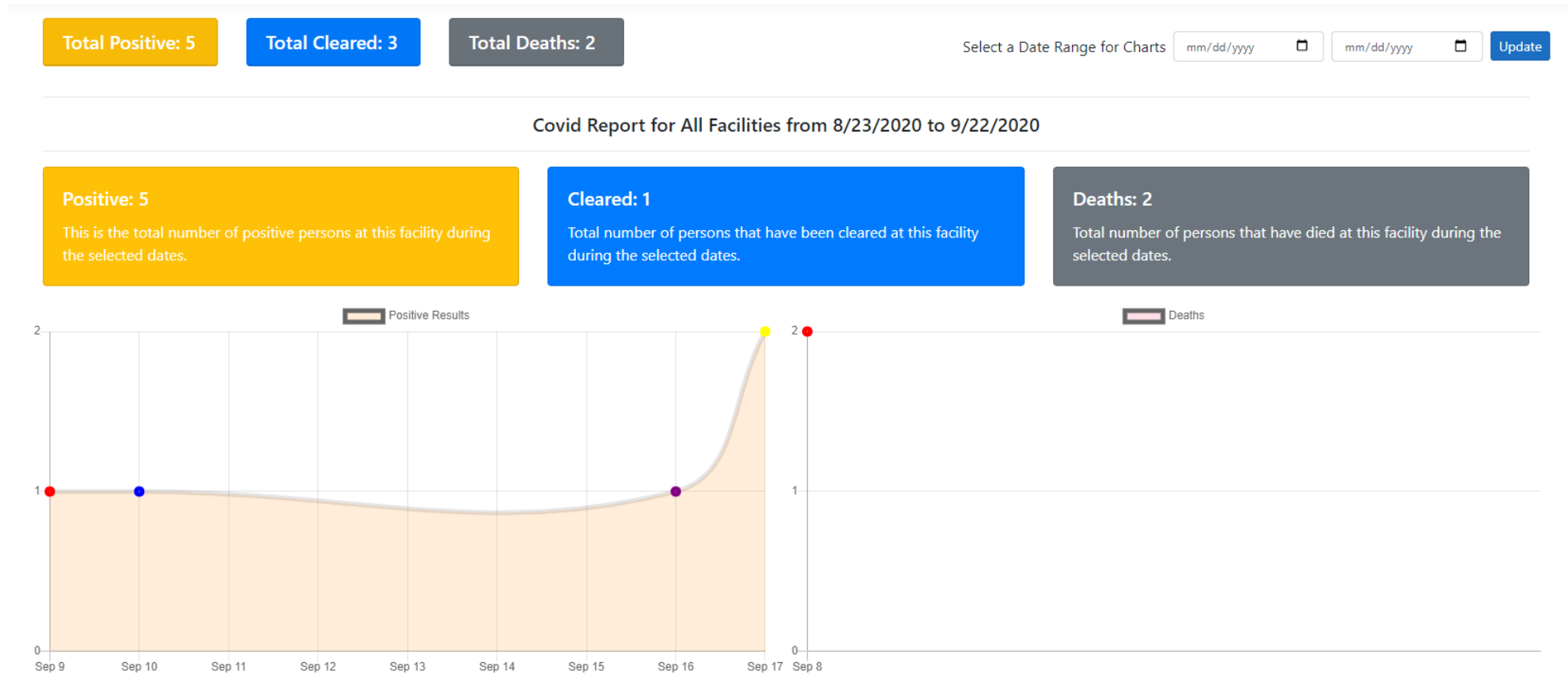
Reporting a Death

- Click Add Death
- Enter all information into the provided fields
 - Bolded fields with ** are required fields
- Click Create to save new death entry

**Facility Name	**DOB	Hospitalized Date	Underlying Condition
<input type="text"/>	<input type="text" value="mm/dd/yyyy"/>	<input type="text" value="mm/dd/yyyy"/>	<input type="text"/>
**Last Name	**Age	Hospital Name	**Covid Death?
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
**First Name	**Gender	Discharge Date	**Death Location?
<input type="text"/>	<input type="text"/>	<input type="text" value="mm/dd/yyyy"/>	<input type="text"/>
Address	Phone	ICU?	**Discharge Summary sent to County?
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
**City	Ethnicity	Intubated?	Date Reported to County
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="mm/dd/yyyy"/>
Zip	Race	**Deceased Date	Notes
<input type="text"/>	<input type="text"/>	<input type="text" value="mm/dd/yyyy"/>	<input type="text"/>

Accessing the Report

- Click Reports
- Enter in date range at top of page, if desired



Action Items

- Website: <https://stantrack.org/covidnurse>
 - Administrator will receive account information following this orientation via email
 - Start entering your data!
- **All data entries/updates are due by every Wednesday***

The background is a photograph of a stone path with several painted rocks. One rock features a ladybug, another has the word 'LOVE' with a heart, and a third has the word 'HOPE'. A central graphic consists of three overlapping circles in teal, light blue, and light purple. The text 'THANK YOU' is centered within these circles.

THANK YOU

