System Overview

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WOWZA SYSTEMS

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Introduction

In the world of public health, data is extremely important. Utilizing data to inform decision making and strategic allocation of resources drives efficiency and impact.

Analyzing data to identify and respond proactively to changes in the public health landscape over time provides valuable insight for making critical, life-saving decisions.

The WMA system does just this. And, we designed our solution to meet the unique demands of rural public health departments.

The intuitive, user-friendly modules we created enhance and strengthen a health department's employee training, community outreach and education programs, health clinic scheduling and analysis of patient visit data, grant and procurement management, utilization of county-level opioid/substance use data, public health document management, and analysis of communicable disease data.

We are committed to continuously expanding the value our system delivers to our clients as we find additional rural public health needs to address.

The following is an overview of the current modules our solution delivers. We hope you enjoy reviewing what we have built and look forward to scheduling time with you to share much more about how WMA can help you improve the health and wellbeing of those you serve.

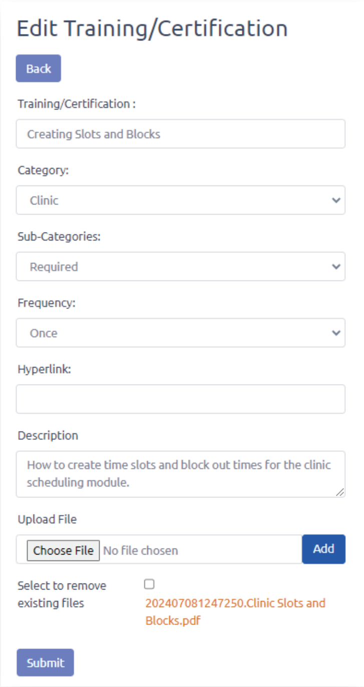
Table of Contents

Training and Certification Module

Keeping up with employee training and certifications can be a daunting task. Many certifications require regular updates, annual, bi-annual etc. **As a result, it is critical to keep these trainings and certifications current for your entire staff.**

1. Our system allows you to create custom training/ certification course categories which enable you to assign, manage, and track employee training/ certifications however it works best for your organization. For example, by individual employee, department or all staff.

S.No	Category	Action
1	RX	Edit Delete
2	Prevention	Edit Delete
3	All Staff	Edit Delete
4	Community Education	Edit Delete
5	Clinic	Edit Delete

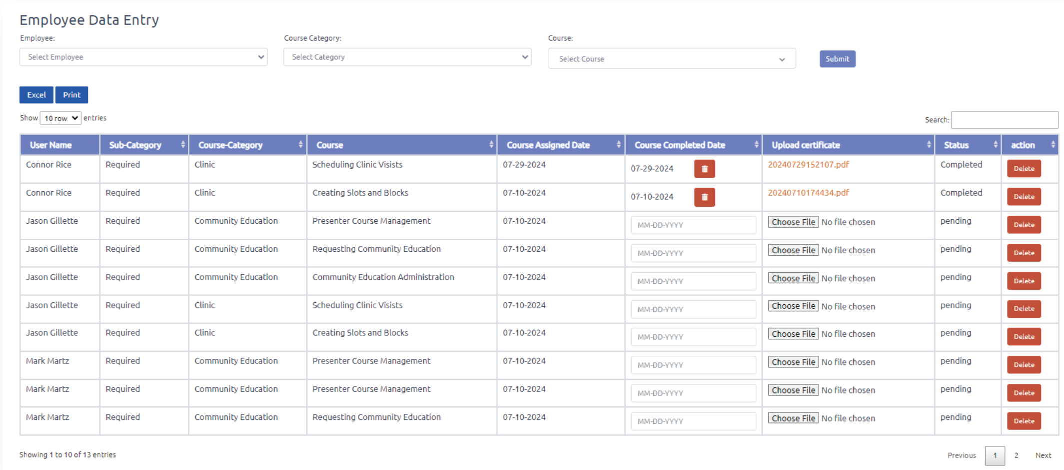


2. The system then allows you to create a list of training/ certifications and assign each training/certification to a category (individual, department, all staff). Training/ Certifications can be listed as required or optional. If a training/certificate should be renewed you can select the frequency for which it should be renewed; Yearly, Every Two Years, Every Five Years, Every Six Years. You can also attach documents associated with each training/ certification and embed training/certification documents via hyperlinks.

Training and Certification Module, cont.

3. Once you have created a database of your organization's trainings/certifications, you can then assign them to employees.

The system will automatically notify employees when training/certifications are to be completed. The system will also notify the employee’s manager if or when a training/ certification has not been completed in the required time frame.


Employee Data Entry

Employee: Select Employee

Course Category: Select Category

Course: Select Course

Submit

Excel Print

Show 10 row entries

Search:

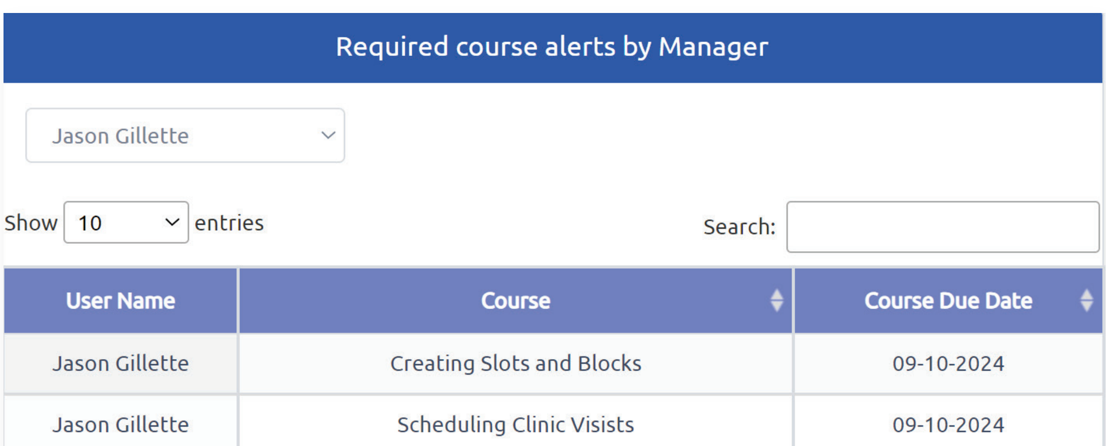
User Name	Sub-Category	Course-Category	Course	Course Assigned Date	Course Completed Date	Upload certificate	Status	action
Connor Rice	Required	Clinic	Scheduling Clinic Visits	07-29-2024	07-29-2024	20240729152107.pdf	Completed	Delete
Connor Rice	Required	Clinic	Creating Slots and Blocks	07-10-2024	07-10-2024	20240710174434.pdf	Completed	Delete
Jason Gillette	Required	Community Education	Presenter Course Management	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Jason Gillette	Required	Community Education	Requesting Community Education	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Jason Gillette	Required	Community Education	Community Education Administration	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Jason Gillette	Required	Clinic	Scheduling Clinic Visits	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Jason Gillette	Required	Clinic	Creating Slots and Blocks	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Mark Martz	Required	Community Education	Presenter Course Management	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Mark Martz	Required	Community Education	Presenter Course Management	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete
Mark Martz	Required	Community Education	Requesting Community Education	07-10-2024	MM-DD-YYYY	Choose File No file chosen	pending	Delete

Showing 1 to 10 of 13 entries

Previous 1 2 Next

4. Employees can also monitor their individual course requirements by simply logging into the system and viewing their dashboard.

Once an employee has completed a training/certification their manager can update the system with progress completion data and upload any certificates associated with that employee’s training/certification.


Required course alerts by Manager

Jason Gillette

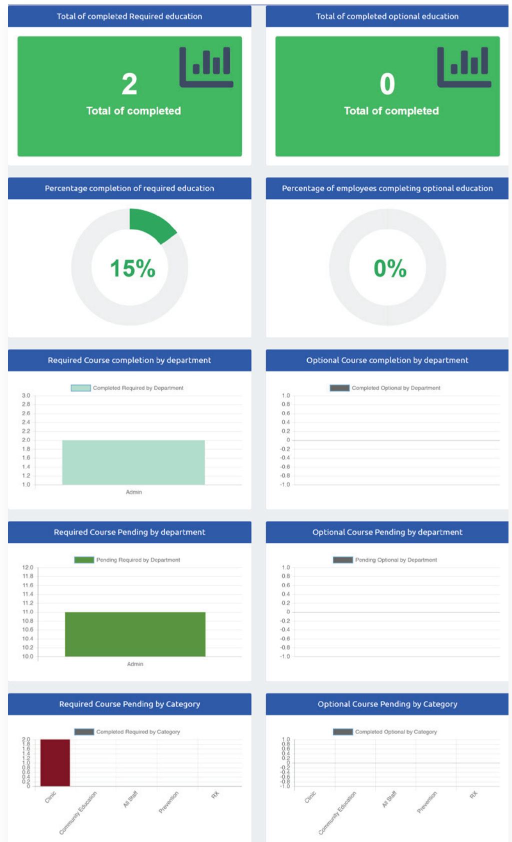
Show 10 entries

Search:

User Name	Course	Course Due Date
Jason Gillette	Creating Slots and Blocks	09-10-2024
Jason Gillette	Scheduling Clinic Visits	09-10-2024

Training and Certification Module, cont.

5. The training/certifications dashboard provides managers and directors with a high-level overview of how their staff is doing.



6. Managers are also provided with a tool to look at each of their staff's assigned training/certifications with expected due dates.

Directors can review the training/certifications status for every employee within their organization here.

Employee Course Alerts

Required course alerts by Manager

Connor Rice

Show 10 entries Search:

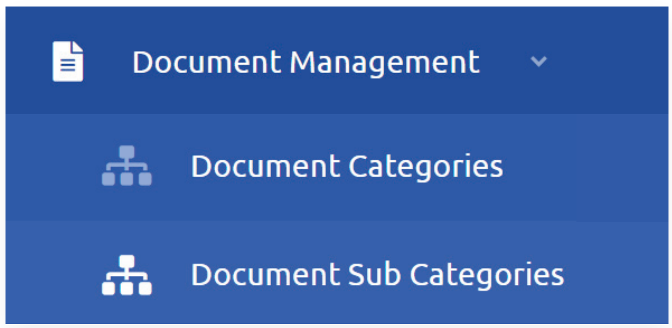
User Name	Course	Course Due Date
Jason Gillette	Creating Slots and Blocks	09-10-2024
Jason Gillette	Scheduling Clinic Visists	09-10-2024
Jason Gillette	Community Education Administration	09-10-2024
Jason Gillette	Requesting Community Education	09-10-2024
Jason Gillette	Presenter Course Management	09-10-2024
Mark Martz	Creating Slots and Blocks	09-10-2024
Mark Martz	Scheduling Clinic Visists	09-10-2024
Mark Martz	Community Education Administration	09-10-2024
Mark Martz	Requesting Community Education	09-10-2024
Mark Martz	Presenter Course Management	09-10-2024

Showing 1 to 10 of 11 entries Previous 1 2 Next

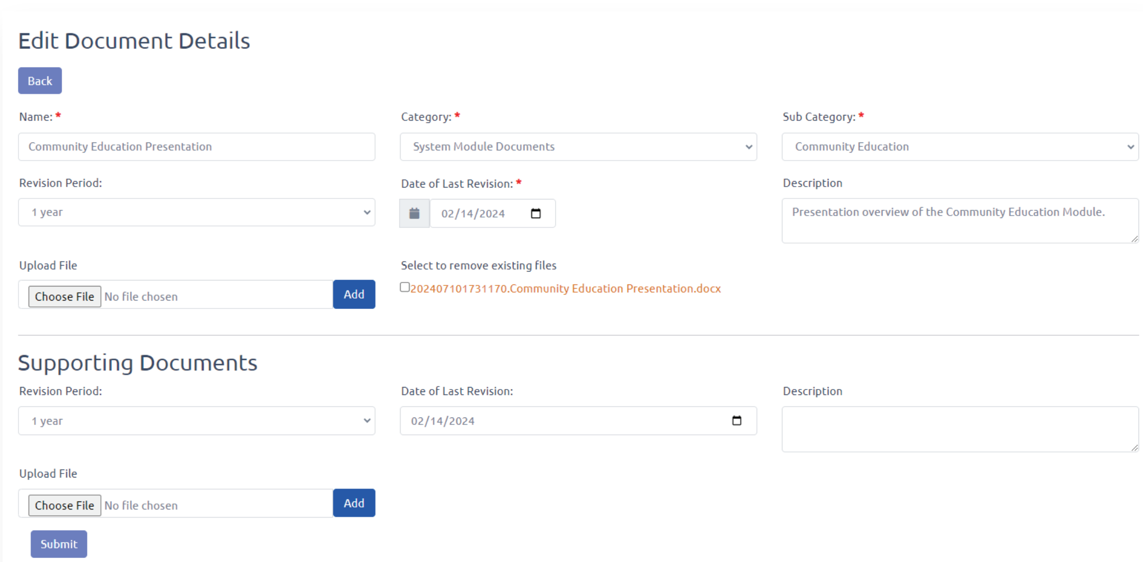
Document Management

Within public health there are documents that need to be updated regularly. This is often a requirement for managing various funding sources including grants and i`ntergovernmental agreements. Keeping up with ‘when and which’ documents need to be updated can be difficult. Our system provides your organization with an automated resource for tracking your documents and indexing them when revisions to each document are required.

1. The system provides your organization with the ability to create customizable document categories; you could do this by department, or grant, or however you choose. In addition, the system allows for customized sub-categories to provide an additional level of organization.



2. Once you have created your categories and sub-categories you can then upload your documents.



Document Management, cont.

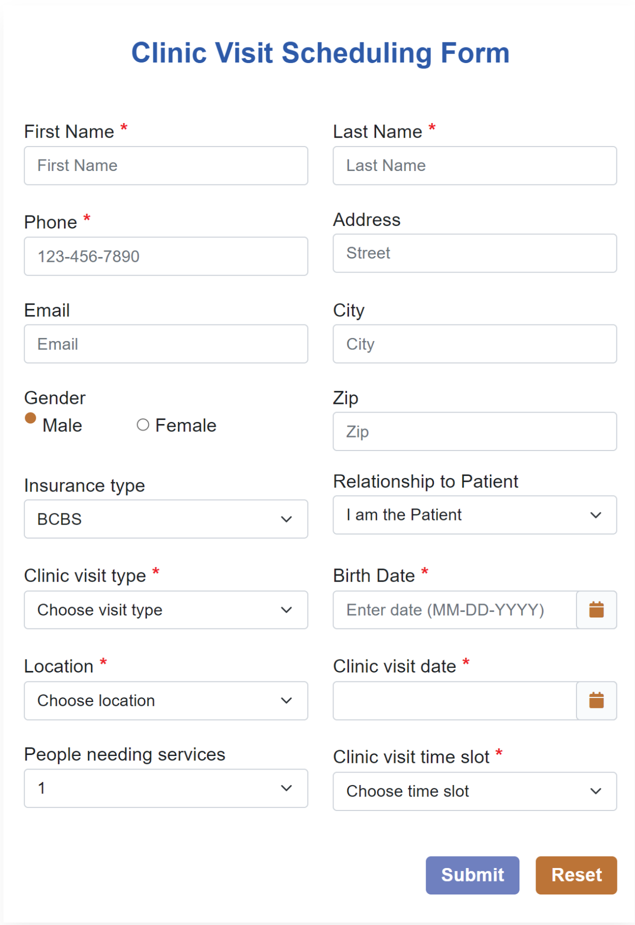
3. The system dashboard then provides managers and directors with an overview of when documents need to be reviewed and updated. The document management dashboard is broken up into three sections: Needing Revisions (these are documents that are due for revisions now), Up Coming Revisions (these are documents that are due for revisions within the next 90 days), and future revisions (these are documents that require revisions within the next 120 days).

Clinic Visit Scheduler

Rural Public Health Clinics often have difficulty managing their clinic visit schedules. Multiple locations spread out over long distances, staffing issues, and community needs are difficult to manage.

We have created a scheduling system to fit the complex and unique needs of rural Public Health Departments. Our system allows you to customize your clinic schedule based on your locations and staff restrictions. If you have multiple clinic locations, you can create separate schedules for each location. For example, you can block availability based on staff meeting times and lunch schedules. You can even block individual employees' time for lunch, vacation, or sick days.

1. Requesting a clinic visit is simple. Users complete an online form to request a clinic visit based on available times informed by the criteria mentioned above.



Clinic Visit Scheduling Form

First Name *
First Name

Last Name *
Last Name

Phone *
123-456-7890

Address
Street

Email
Email

City
City

Gender
Male
Female

Zip
Zip

Insurance type
BCBS

Relationship to Patient
I am the Patient

Clinic visit type *
Choose visit type

Birth Date *
Enter date (MM-DD-YYYY)

Location *
Choose location

Clinic visit date *

People needing services
1

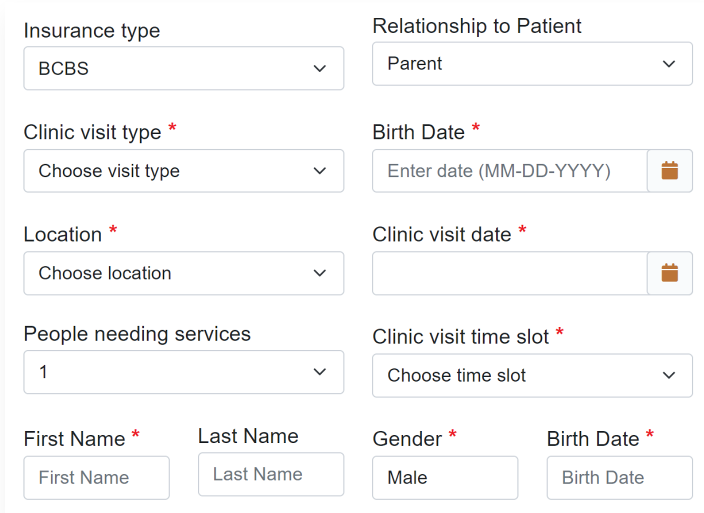
Clinic visit time slot *
Choose time slot

Submit
Reset

System patient scheduling form in its default state. →

Clinic Visit Scheduling, cont.

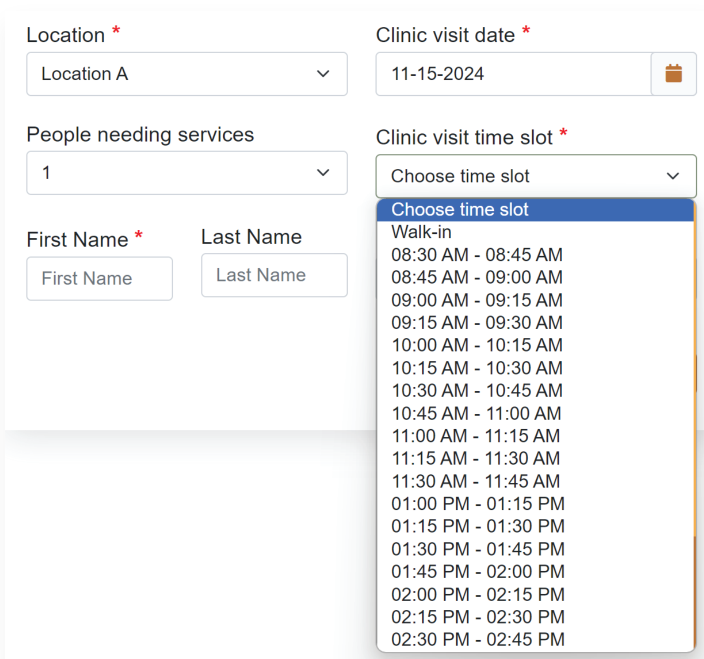
2. The user enters the basic patient information on this form. Oftentimes parents bring children to the clinic. If the Relationship to Patient is changed to parent, guardian, or grandparent, the form adds a row to the form to enter the child's name and birth date. If more than one child needs an appointment, the system allows you to specify the number of people needing services and then an option to add additional children as needed.



↑ *System patient scheduling form with parent scheduling their children for a visit.*

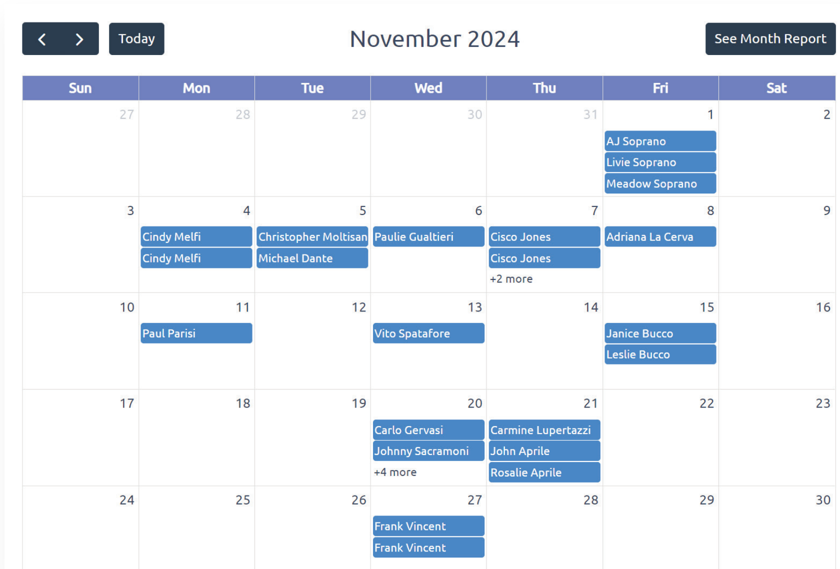
3. The user then selects the clinic location(s) and clinic visit date. By selecting these the system will limit the available clinic visit time slot(s) available based on the scheduling criteria profile set-up for each clinic location.

System patient scheduling form, selecting a time slot based on location and date availability. If scheduling for two patients, the system will automatically block equal time for each patient. →



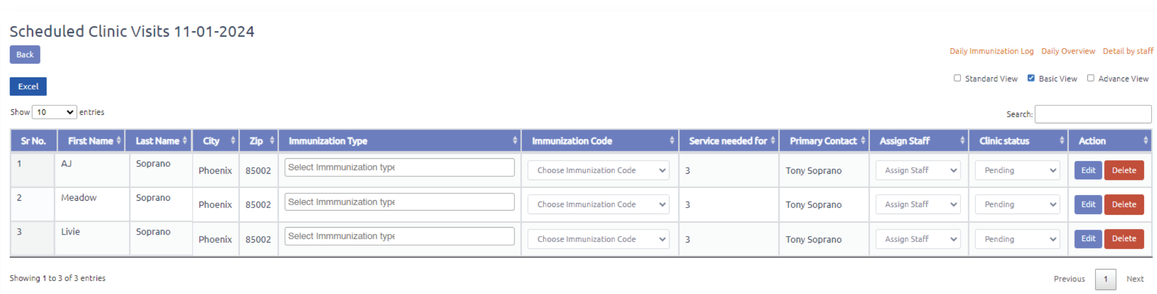
Clinic Visit Scheduling, cont.

4. After submitting a clinic visit the system places that visit on the calendar.



5. Users can then click on any dates' list of visits to see a detailed list of the scheduled visits for the selected day.

From here administrators can assign staff to each visit, then print out a daily visit log for each nurse/manager so they know what the daily schedule will be. If the patient receives immunizations the user can add that information here after the patient's visit and add any necessary comments.



Scheduled Clinic Visits 11-01-2024

Back

Daily Immunization Log Daily Overview Detail by staff

Excel

Standard View Basic View Advance View

Show 10 entries

Search:

Sr No.	First Name	Last Name	City	Zip	Immunization Type	Immunization Code	Service needed for	Primary Contact	Assign Staff	Clinic status	Action
1	AJ	Soprano	Phoenix	85002	Select Immmunization type	Choose Immunization Code	3	Tony Soprano	Assign Staff	Pending	Edit Delete
2	Meadow	Soprano	Phoenix	85002	Select Immmunization type	Choose Immunization Code	3	Tony Soprano	Assign Staff	Pending	Edit Delete
3	Livie	Soprano	Phoenix	85002	Select Immmunization type	Choose Immunization Code	3	Tony Soprano	Assign Staff	Pending	Edit Delete

Showing 1 to 3 of 3 entries

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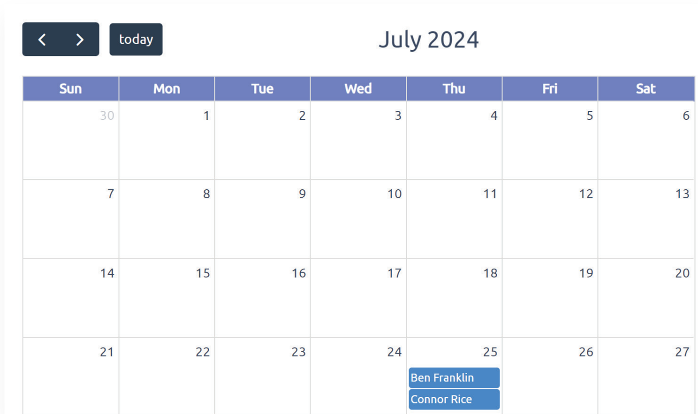
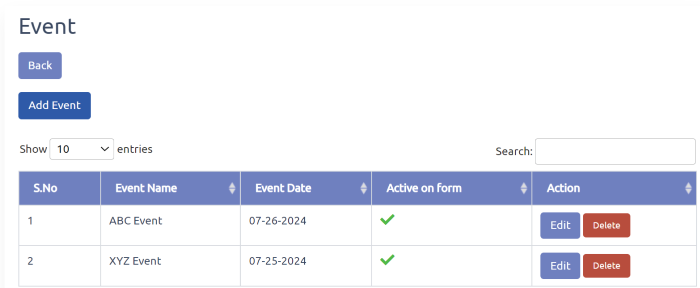
Clinic Visit Scheduling, cont.

6. Our system also allows for managing **offsite clinic events.** Oftentimes health clinics will provide immunization events at local schools or senior centers for example. These events can be tracked along with each individual patient. The system provides a separate offsite visit calendar where clinic administrators can set up events.



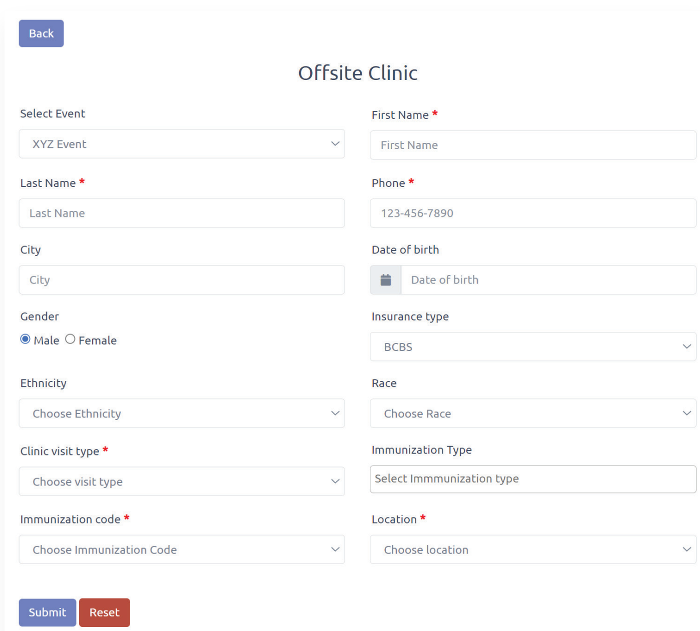
System offsite clinic visit calendar. ↑

System offsite events manager. →



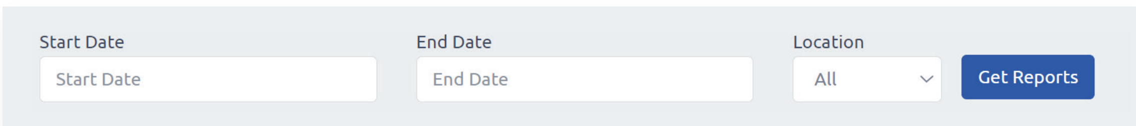
7. Once events have been entered, the event can be assigned to a patient using the offsite clinic visit form.

This form is similar to the clinic visit form; however, the user selects an event to assign this patient's clinic visit to that particular event. This allows administrators to track the success of each event.

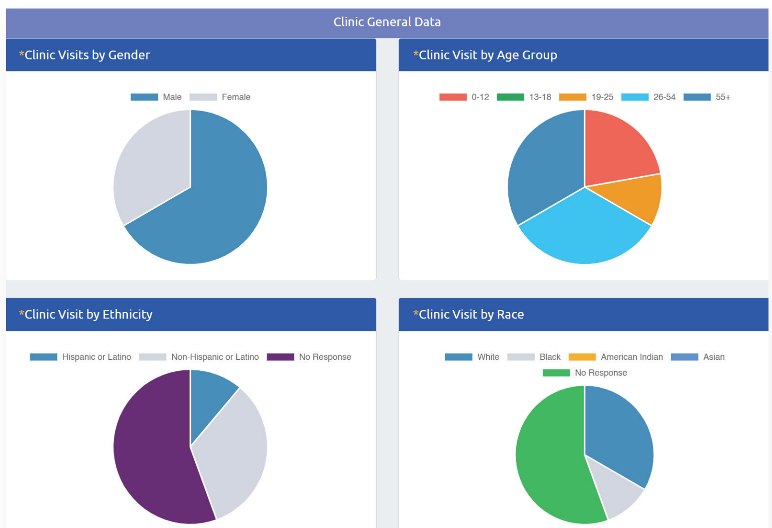


8. Our **clinic dashboard** provides valuable information to managers and directors that will help them to more effectively run their clinics.

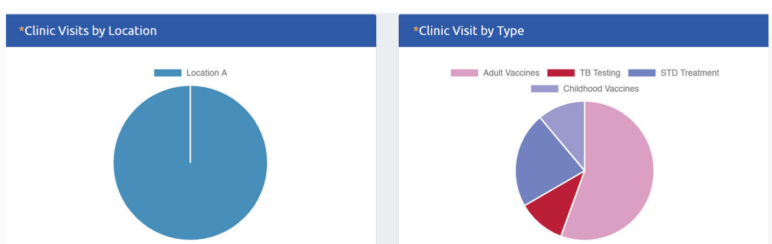
At the very top the user can specify a time period and clinic location to view reports. By default, the system displays all data in the reports.



9a. The first data section is general information, gender, age, ethnicity, and race.

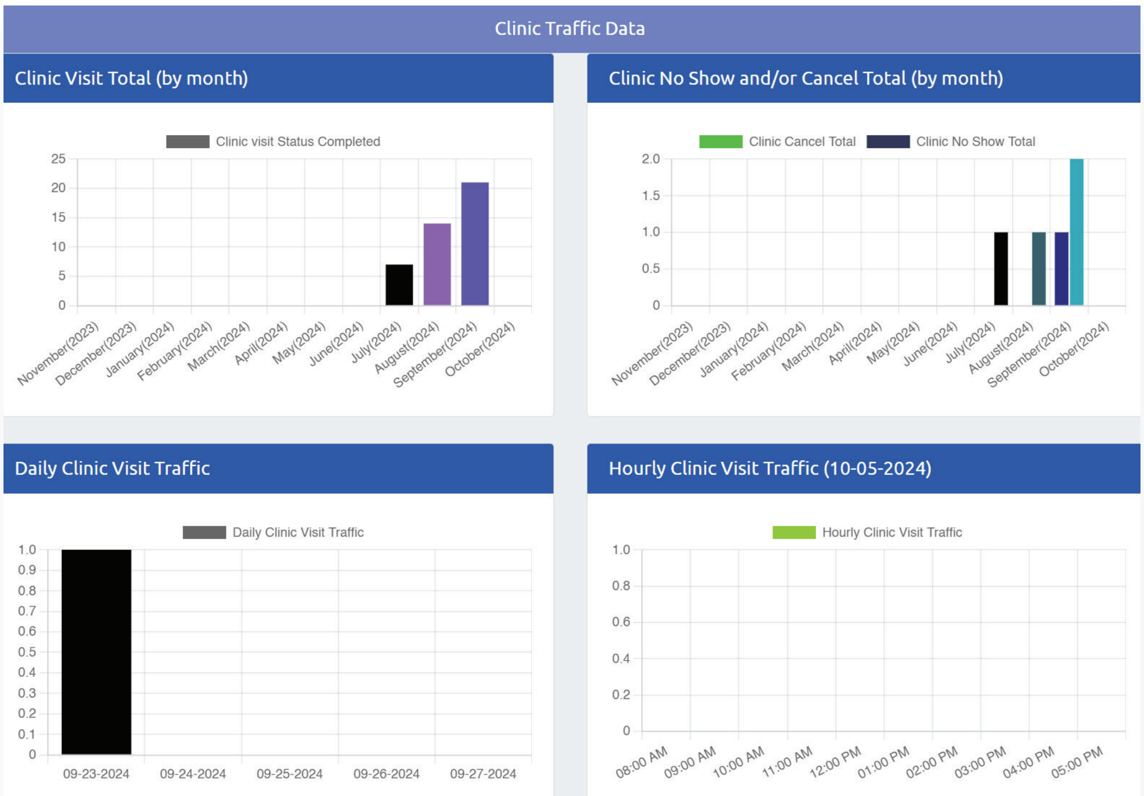


9a. Followed by location (if there is more then one clinic location) and visit type.



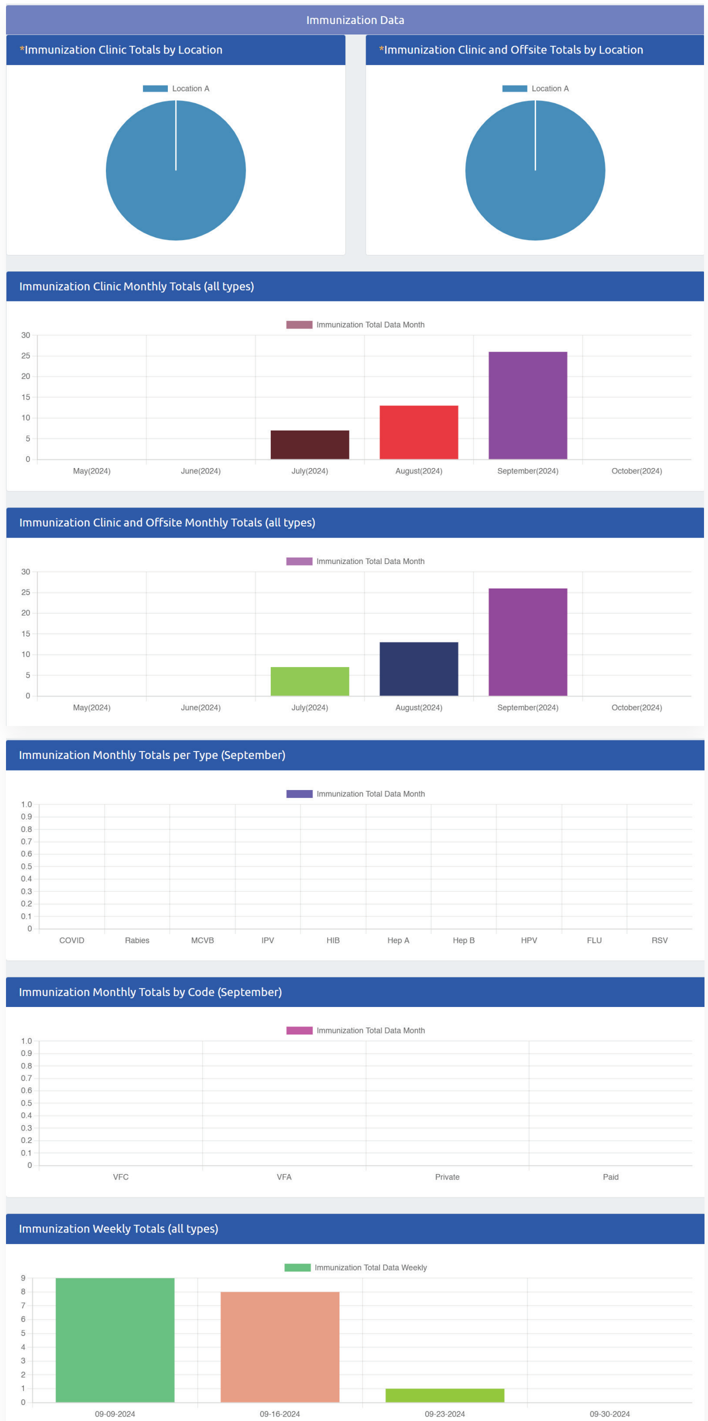
Clinic Visit Scheduling, cont.

10. The **clinic traffic data section** is used to inform administration on clinic traffic. Administration can see traffic broken down by month, day and even hourly. They can also see the volume of No Shows or Cancellations.



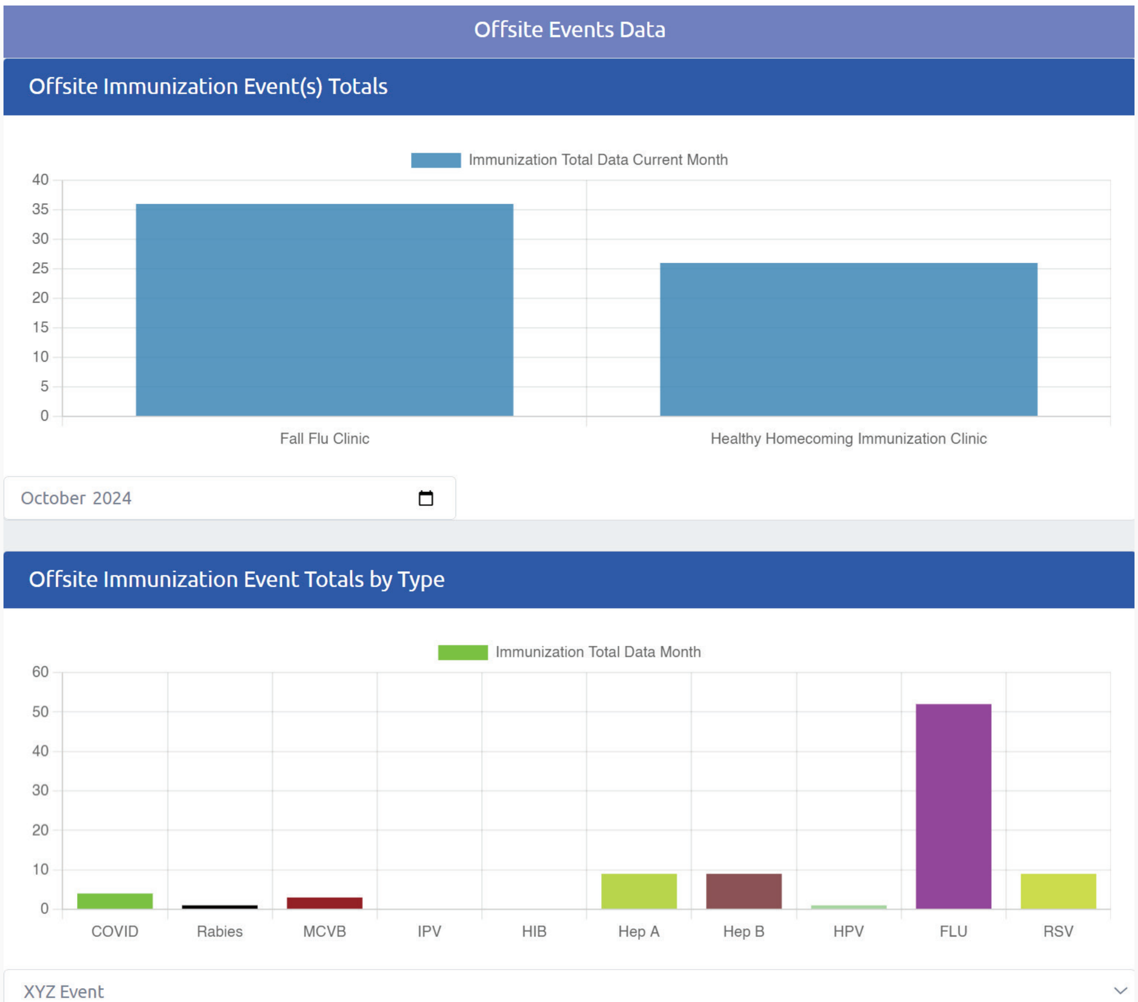
Clinic Visit Scheduling, cont.

11. The **immunizations** section reflects all immunization data for in office and offsite immunizations. Location totals, monthly totals, weekly totals, monthly totals by type, daily totals by type, monthly totals by insurance code.



Clinic Visit Scheduling, cont.

12. This section is for **offsite clinic events.** Offsite event totals by selected month and offsite event totals by type per event selected.



Community Education

Informing and educating the communities we serve is possibly the most important aspect of public health. **Knowledge is power!**

To provide our communities with education we must first communicate the educational services we provide. Curriculums and instructors can often change. Keeping up with these changes internally is difficult enough, but keeping the community we serve informed and engaged in these education services can be nearly impossible.

We have developed a process that solves these issues. In addition, our process provides a community education scheduling platform and analytics on what is being taught within the community and to whom.

1. This process starts with creating a list of community course categories. This can be customized to fit your organization.

Course Categories

Create Course Categories

Show 10 entries

Search:

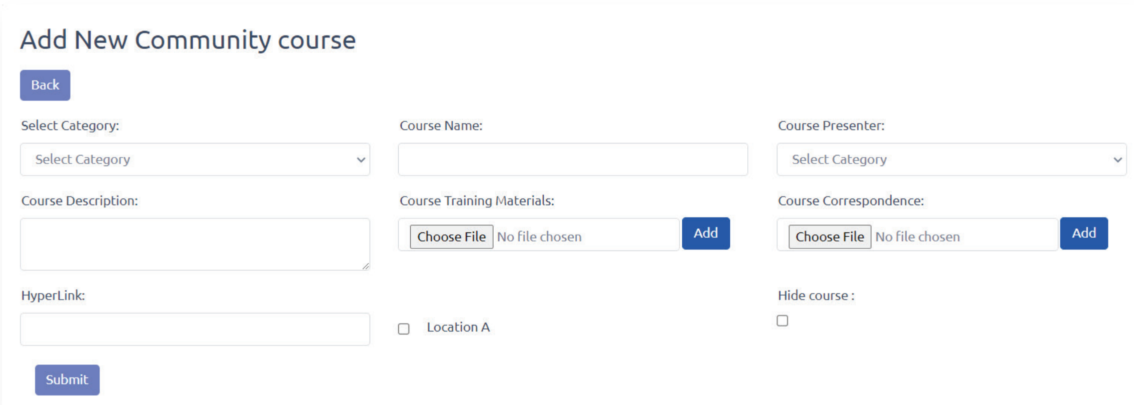
S.No	Color	Course Categories Name	Description	Action
1		Opioid Overdose Prevention	Opioid Education and Prevention Courses	Edit Delete
2		Teen Pregnancy Prevention	Teen Pregnancy Prevention, life skills, relationship skills, and communication.	Edit Delete
3		Oral Health	Oral Health Education	Edit Delete
4		Health Zone	Nutrition and Physical Education	Edit Delete
5		Public Health Education	Various courses relating to public health	Edit Delete
6		Tobacco Free Enviroments	Anti-tobacco education	Edit Delete
7		Mental Health Courses	Suicide Prevention, self esteem courses, mental health education.	Edit Delete

Community education, cont.

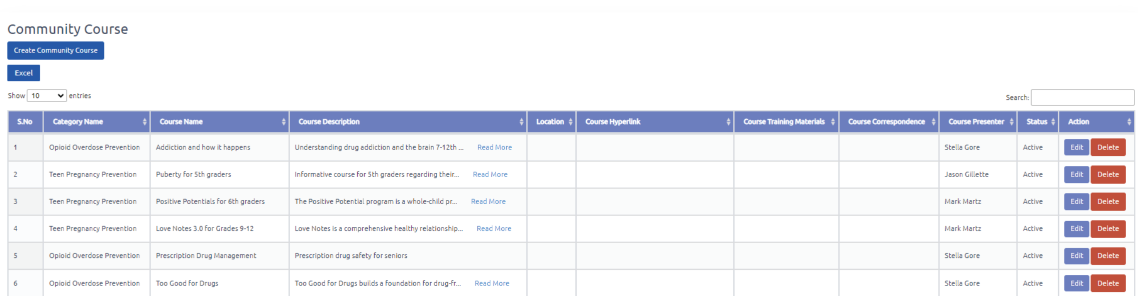
2. Next, we create a list of community courses and link them to their respective category.

   In addition to linking your courses to a category, when setting up a new course, you will also assign the course presenter. This can be changed at any time if the course presenter changes for any reason.

   You can also attach any files that are used for teaching this course, or any files that need to be provided to the requesting party. For example, a permission slip for courses taught at community schools. You can also link any hyperlinks that might be associated with the course.



3. Once the courses are added to the system you will see a table of all your courses that you can manage moving forward.


Community Course

Create Community Course

Excel

Show 10 entries

Search:

S.No	Category Name	Course Name	Course Description	Location	Course Hyperlink	Course Training Materials	Course Correspondence	Course Presenter	Status	Action
1	Opioid Overdose Prevention	Addiction and how it happens	Understanding drug addiction and the brain 7-12th ... Read More					Stella Gore	Active	Edit Delete
2	Teen Pregnancy Prevention	Puberty for 5th graders	Informative course for 5th graders regarding their... Read More					Jason Gillette	Active	Edit Delete
3	Teen Pregnancy Prevention	Positive Potentials for 6th graders	The Positive Potential program is a whole-child pr... Read More					Mark Martz	Active	Edit Delete
4	Teen Pregnancy Prevention	Love Notes 3.0 for Grades 9-12	Love Notes is a comprehensive healthy relationship... Read More					Mark Martz	Active	Edit Delete
5	Opioid Overdose Prevention	Prescription Drug Management	Prescription drug safety for seniors					Stella Gore	Active	Edit Delete
6	Opioid Overdose Prevention	Too Good for Drugs	Too Good for Drugs builds a foundation for drug-fr... Read More					Stella Gore	Active	Edit Delete

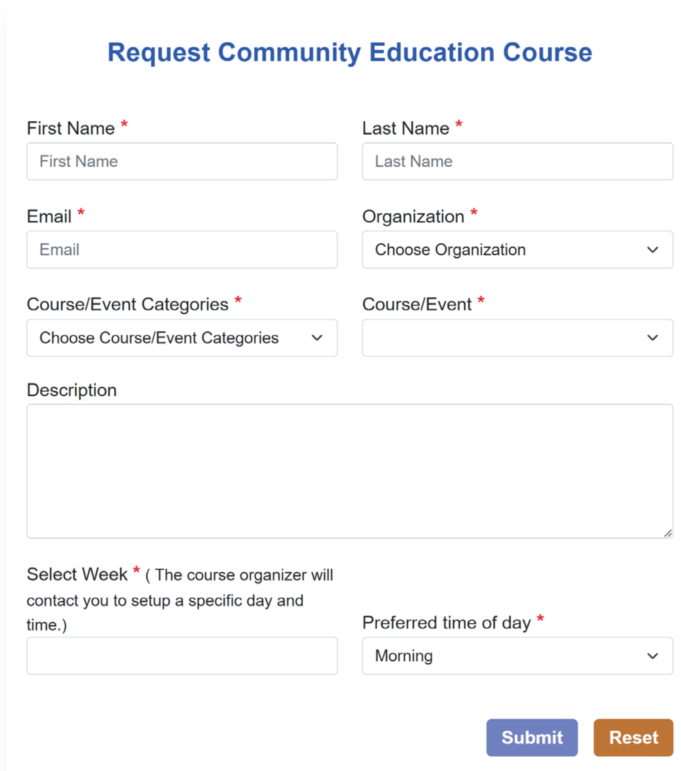
Community education, cont.

4. Next, we create a list of requesting community organizations. These are the organizations that you will be teaching courses to.

5. These community organizations can now request courses through an online form. We recommend providing your partner organizations with a QR code that links to this form. This form is mobile device friendly.

When the user selects a category the list of courses that are provided under that category will populate. When the user selects a course the description of that course will populate in the descriptions box. *It is important to be detailed in your descriptions so that community partners can easily identify the course they are looking for.*

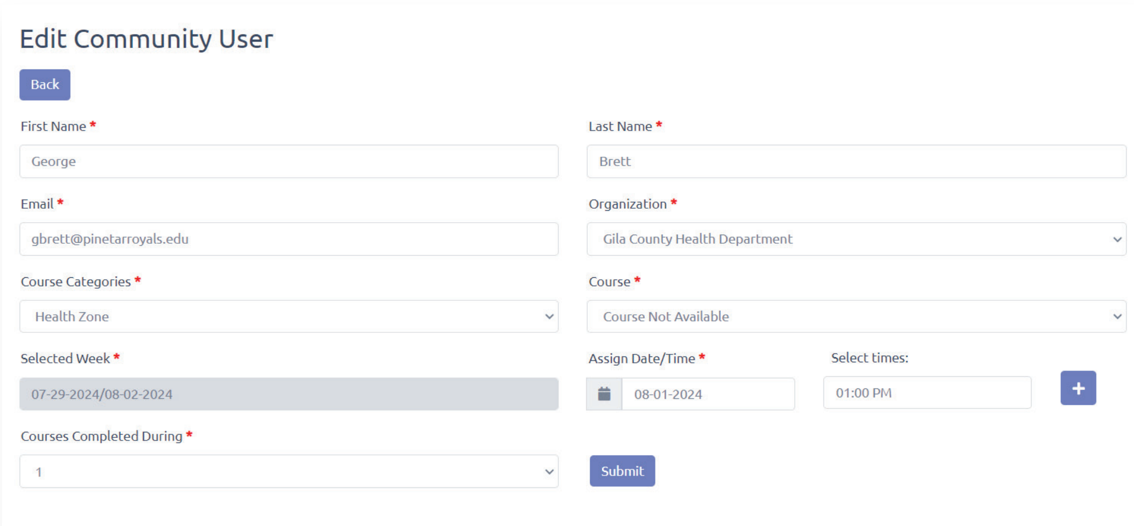
The user then selects a week and time of day they prefer to have the course presented.



Community education, cont.

6. Once the form is submitted the course presenter (and their manager) will receive an email notification alerting them of the requested course presentation. The presenter will then use the system to select an exact date and time, based on their availability, to present the course.

After the presenter selects the exact date and time, and submits it to the system, the requesting party will receive an email confirmation with the dates and times along with any correspondence such as the permission slip mentioned above.



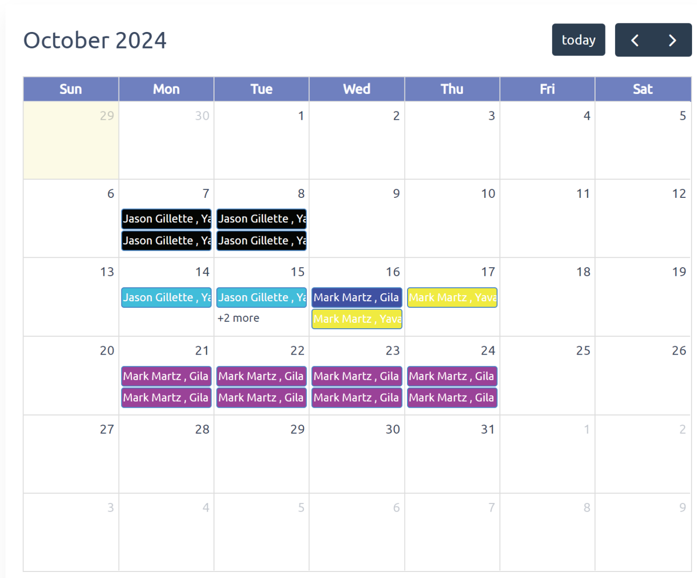
7. Your organization can manage these course requests and make any changes through the assigned courses table.

Community Course Assigned

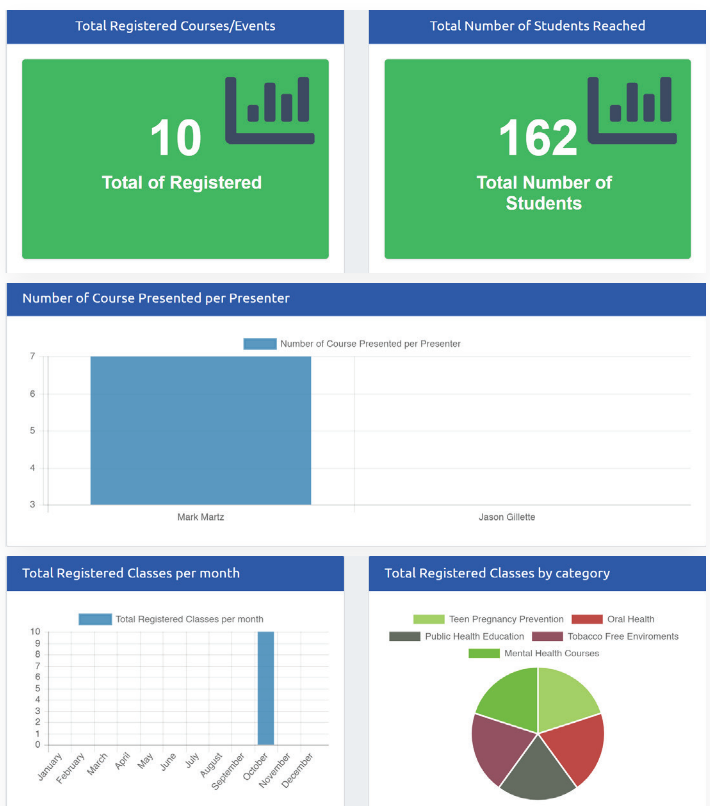
S.No	First Name	Last Name	Email	Organization	Course Categories	Course	Week Course Date	Assign Class Date(s)	Assign Class Time(s)	Action
1	Craig	Rice	crice@wowzallc.com	Gila County Health Department			07-22-2024 / 07-26-2024	07-24-2024, 07-24-2024,	10:30 AM, 12:30 AM,	Edit Delete
2	Craig	Rice	crice@wowzallc.com	Gila County Health Department			07-29-2024 / 08-02-2024	07-29-2024, 07-29-2024, 07-30-2024,	10:30 AM, 12:30 PM, 10:30 AM,	Edit Delete
3	Mark	Martz	mark@martzandassociates.org	Gila County Health Department			07-29-2024 / 08-02-2024	07-30-2024,	02:00 PM,	Edit Delete
4	praveen	gautam	pravinjnm@gmail.com	Gila County Health Department			08-19-2024 / 08-23-2024	08-20-2024,	01:00 AM,	Edit Delete

Community education, cont.

8. You can also view the schedule of courses for the entire team through the community education calendar. Course categories are color coded so when you look at the calendar you can quickly identify which course/category is being taught and where and when the course/category is being delivered.



9. The community education dashboard provides valuable insight into what education your team is providing within the community.

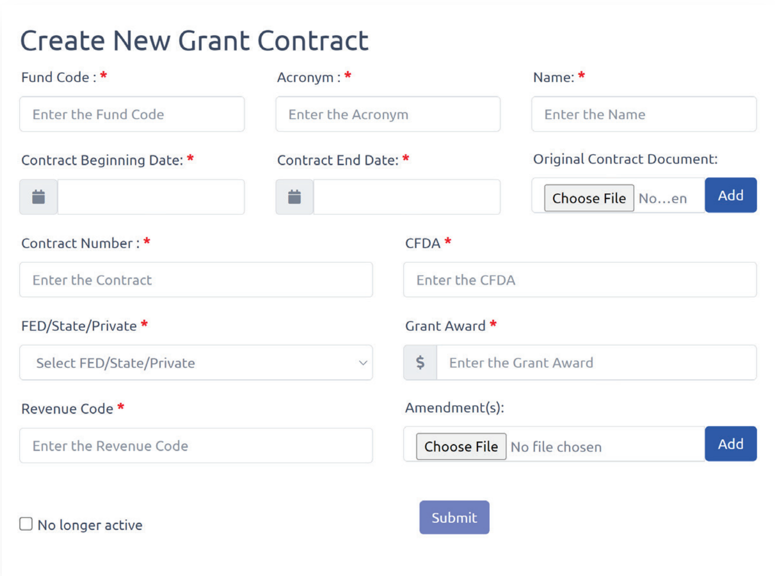


Grant Management

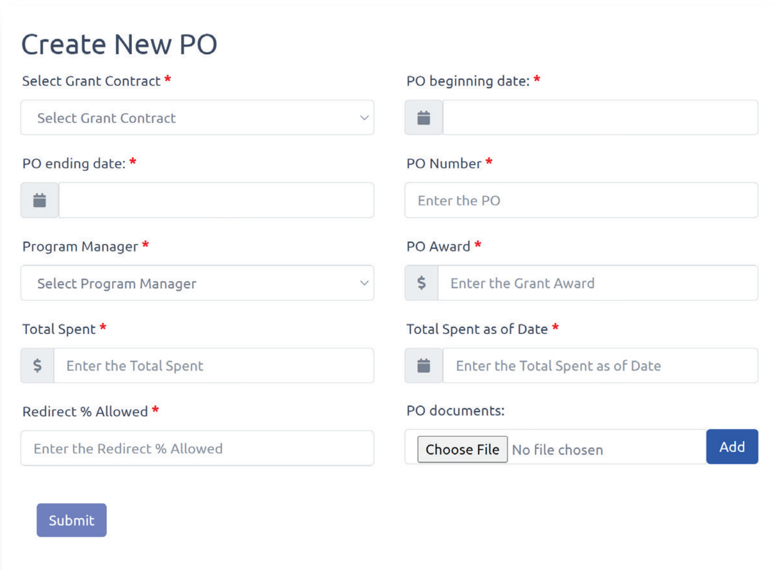
Grants make up a large portion of public health funding. Keeping up with the number of grants and when purchase orders (PO's) need to be renewed can often be overwhelming.

We have developed a system for tracking your grants and PO's, and alerting you when to address changes or renewals.

1. Our system starts with creating a list of grants. Once you have entered all your grants you can review and modify them by accessing the grant list table.



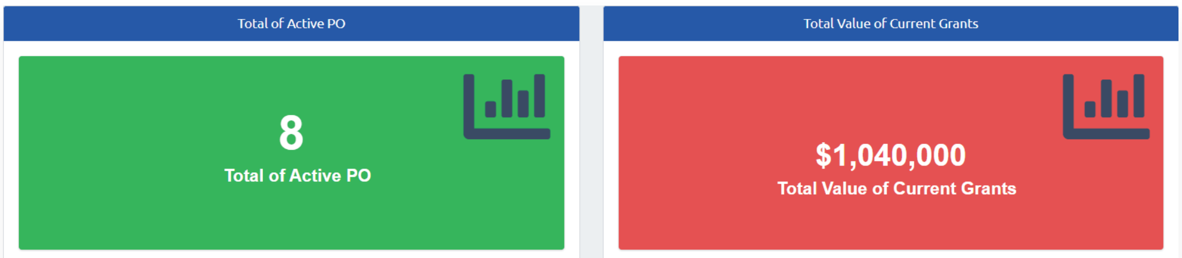
2. Once you have entered your list of grants you will then create your PO's and link them to the corresponding grant.



Grant Management, cont.

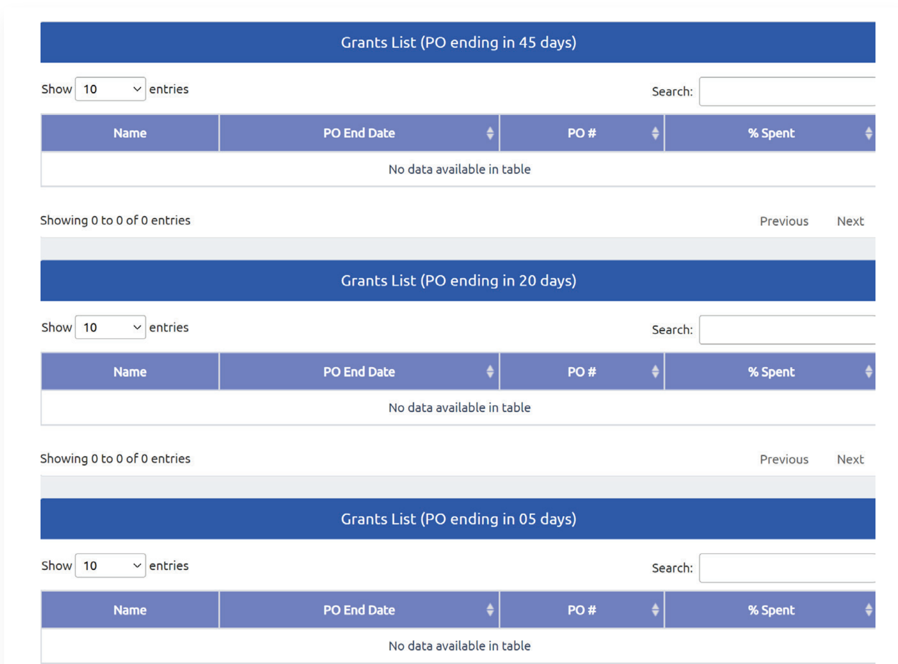
3. After grants have been completed you can mark them as inactive. They will remain in the system for archival reference, but no longer be reflected on the dashboard.

The dashboard gives you a total number of active PO's and the total dollar amount of active grants.



4. The dashboard also gives leadership a quick reference of what grants need PO's renewed.

This table alerts leadership of PO's that need to be renewed from 45 days out, 20 days out, and 5 days out. Helping them to plan and manage accordingly.



Substance Use

Addressing substance use, spurred by our nation's opioid epidemic remains a top priority in public health. In order to develop effective strategies to fight substance use in your community you need to first know where to target your efforts. **You also need to have a way to review changes in substance use across your community as you continue to fight the good fight.**

Our system utilizes the Medical Electronic Disease Surveillance Intelligence System (MEDSIS) to create powerful analytics on overdose related data for your specific geographic area. MEDSIS is a secure web-based disease surveillance system built specifically for Arizona. All incidence of disease, which includes overdoses, must be recorded by health care providers and entered into this system.

We have developed a way to take MEDSIS data extracts and import them into our system to inform review of analytical data.

Through a simple 5-minute export/import process (specially developed by WMA) you can have your communities' overdose data in our system and be able to review powerful data that is unique to your geographic area.

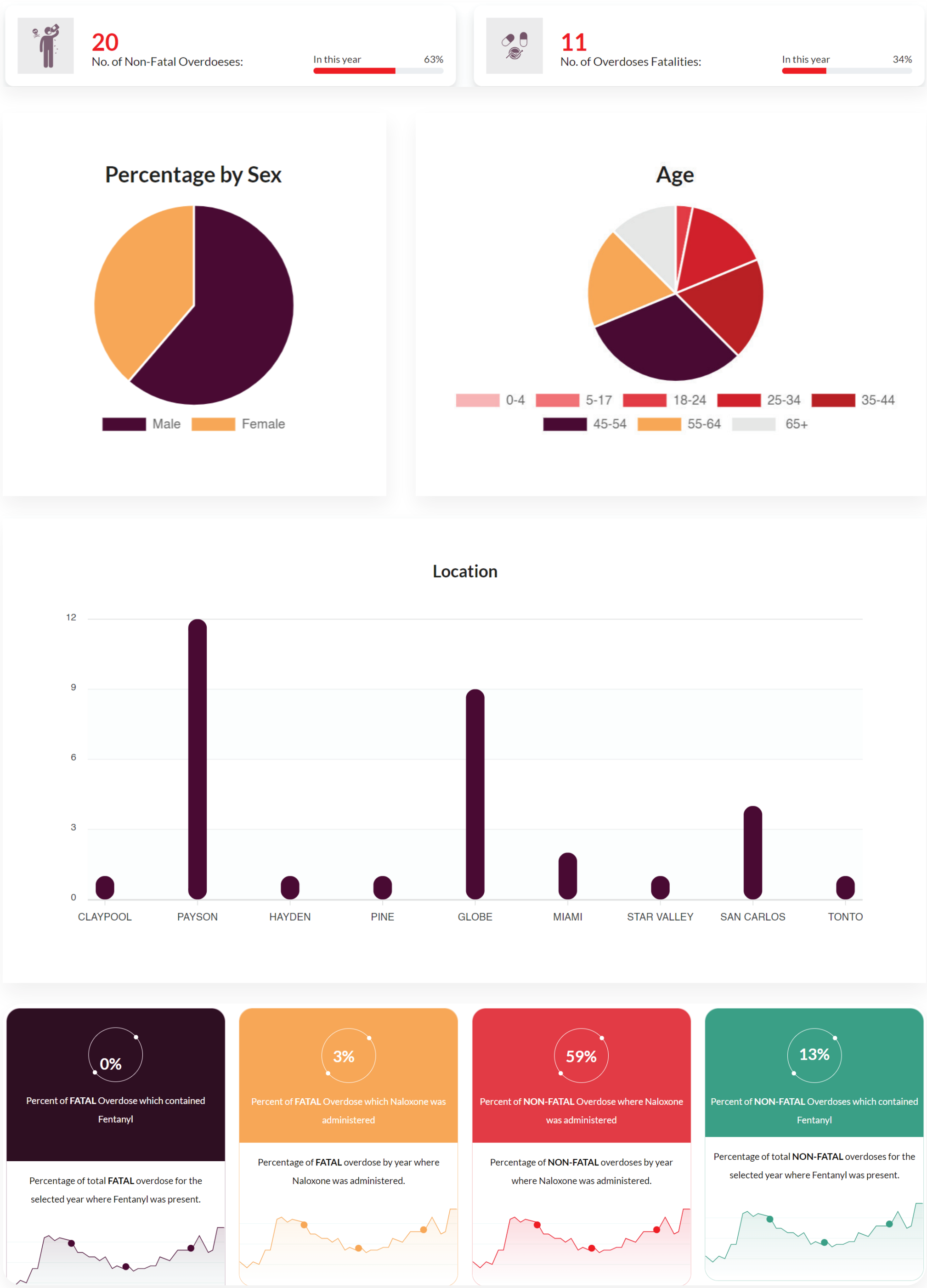
This data is provided in two formats. Backend (Health department view-only data) and Community (data viewable by the community).

Backend data
will be used to help you make informed decisions about your substance use programs.

Community data
is meant to inform the public of overdose statistics within your community.

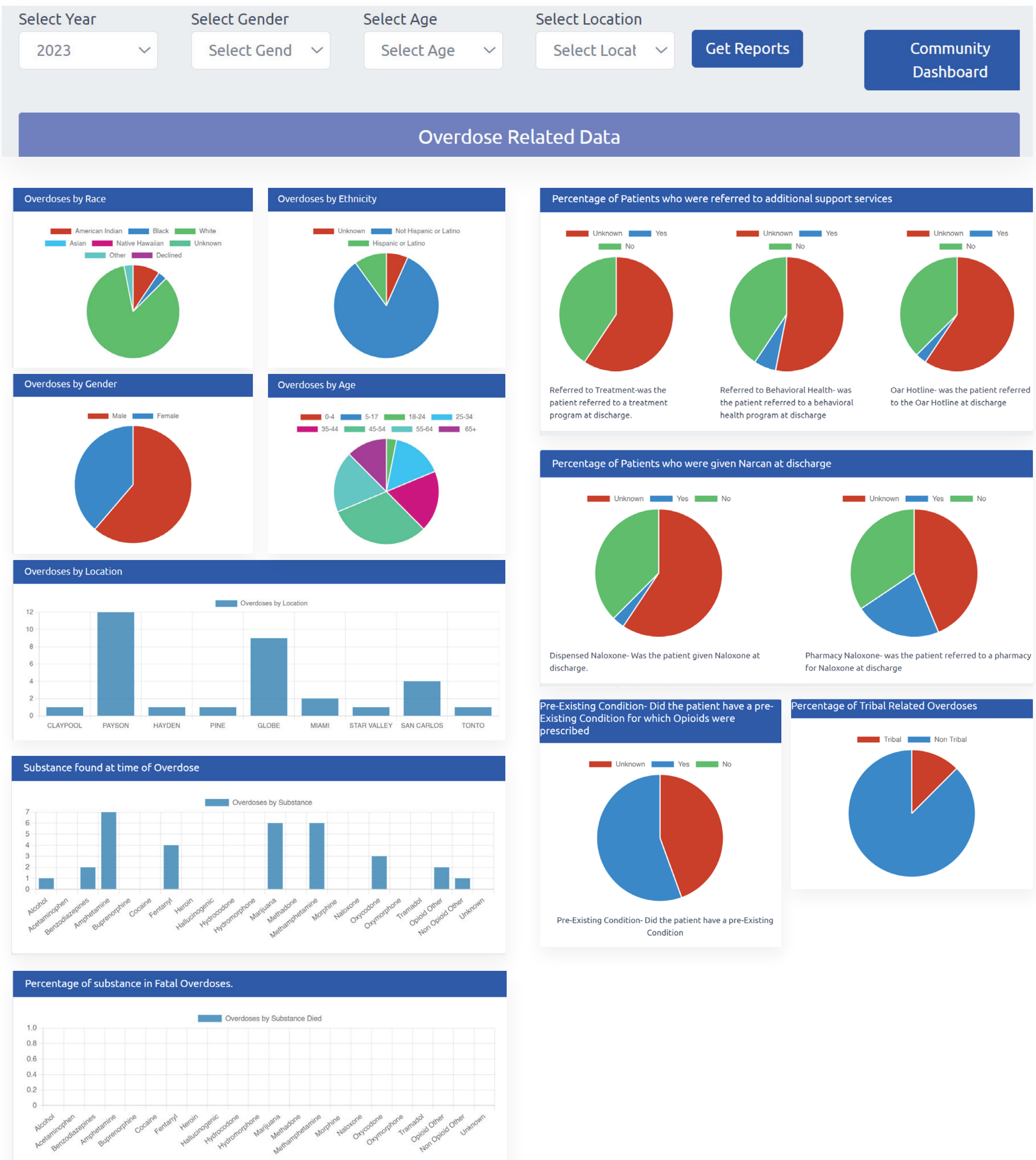
Substance Use, cont.

1. **Community Dashboard**



Substance Use, cont.

2. Backend Dashboard: You can refine your data using the dropdowns provided: year, gender, age, location.



Substance Use, cont.

3. In addition, our substance use system provides Narcan distribution tracking. This system allows you to identify and track distribution to partner organizations, recipient types, and distribution events. You can customize these based on your organization's needs.

Narcan Distribution Mgt

Narcan Organizations | Recipient Types | Narcan Event

Excel

Show 10 entries

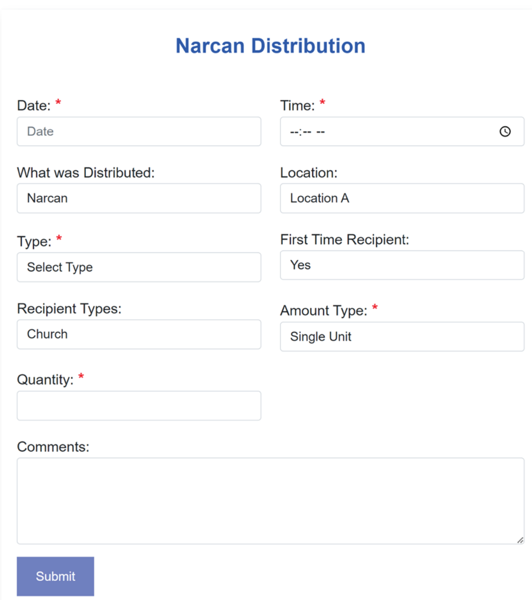
Search:

S.No	Date	Time	Distributed	Location	Type	Events	Organizations	First Time Recipient	Recipient Types	Amount Type	Quantity	Comments	Amount Given	Action
1	07-08-2024	14:55	Fentanyl Test Kit	Location A	Event	Homeless Connect Day		Yes	Law Enforcement	Single Unit	5		5	Edit Delete
2	07-08-2024	14:54	Deterra Bags	Location A	Event	AZYP Drug Take Back		No	Community Agency	Single Unit	4		4	Edit Delete
3	07-08-2024	14:54	Narcan	Location A	In-Office			Yes	Community Member	Single Unit	1		1	Edit Delete
4	07-08-2024	14:53	Narcan	Location A	Distribution Site		AZYP	No	Community Agency	Case	1		24	Edit Delete

↑ *This image represents a table of Narcan distributions recorded and provides the links for creating your partner organizations list, recipient types list, and distribution events list.*

Note: In addition to tracking Narcan distribution this system also allows you to track Teva or generic Naloxone, Fentanyl Test Kits, and Deterra Bag distributions.

4. Once the partner organizations, recipient types, and events list have been created you can simply record each distribution using a web-based form.



5. As part of the backend substance use dashboard you will have access to the Narcan distribution data.

Communicable Disease

Identifying communicable disease trends is crucial to effectively fighting them. In order to develop effective strategies to respond to various communicable diseases within our community it is important to have reliable historic data.

Our system uses the Medical Electronic Disease Surveillance Intelligence System (MEDSIS) to create powerful analytics on communicable disease related data for your geographic area. MEDSIS is a secure web-based centralized, person-based disease surveillance system for Arizona. All incidence of disease, which includes communicable diseases, must be recorded by health care providers and entered into this system.

We have developed a way to take MEDSIS data extracts and import them into our system for analytical data review.

Through a simple 5 minute export and import process (specially developed by WMA) you can have your communities communicable disease data in our system and be able to review powerful data.

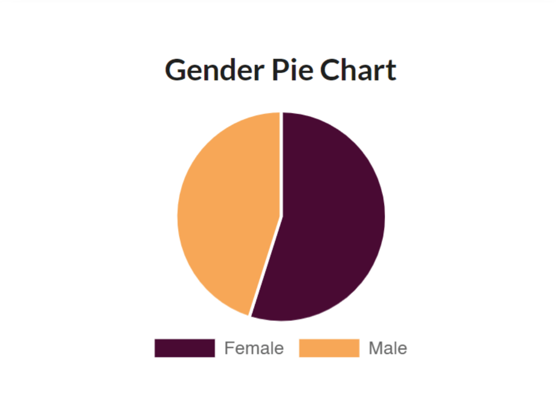
This data is provided in two formats. Backend or health department only data and community data. Backend data will be used to help you make informed decisions about your communicable disease programs. Community data is meant to inform the public of communicable disease statistics within your community.

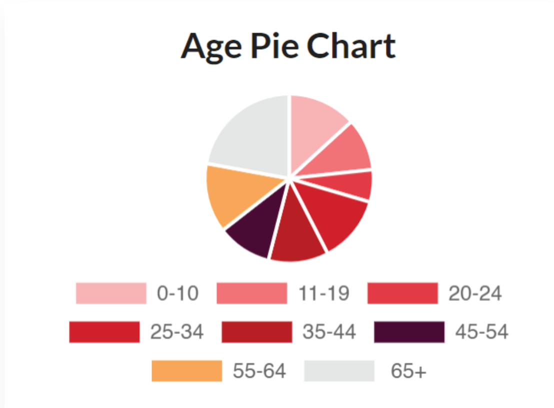
1. **The Community Dashboard:** You can refine your search based on the criteria listed at the top: Beginning Date, Ending Date, Morbidity Type, Age, Gender. You can select as many or as few search items as you wish.

Disease	Cases
Brucellosis	1
Campylobacteriosis	49
Candida auris	1
Carbapenem-resistant Acinetobacter baumannii (CP or Pan-R) (CRA)	2
Carbapenem-resistant Enterobacterales (CRE)	30
Chlamydia trachomatis infection	164
Coccidioidomycosis	201
Contact	5

Communicable Disease, cont.

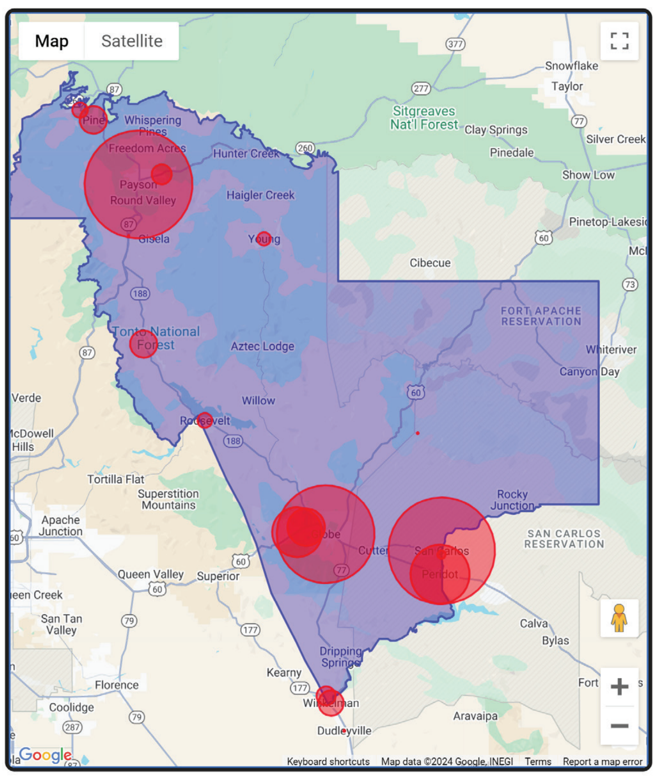
2. The system provides numbers for each morbidity type, gender pie chart percentages, and age pie chart percentages.





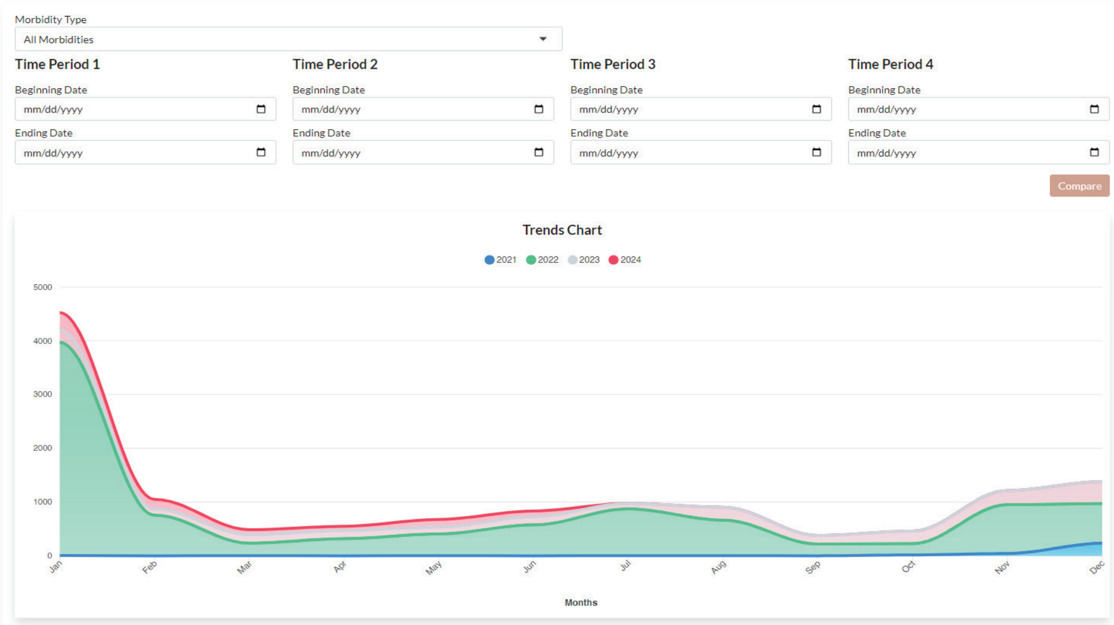
3. There is also a heat map indicating geographic areas of higher concern.

Morbidity by location:

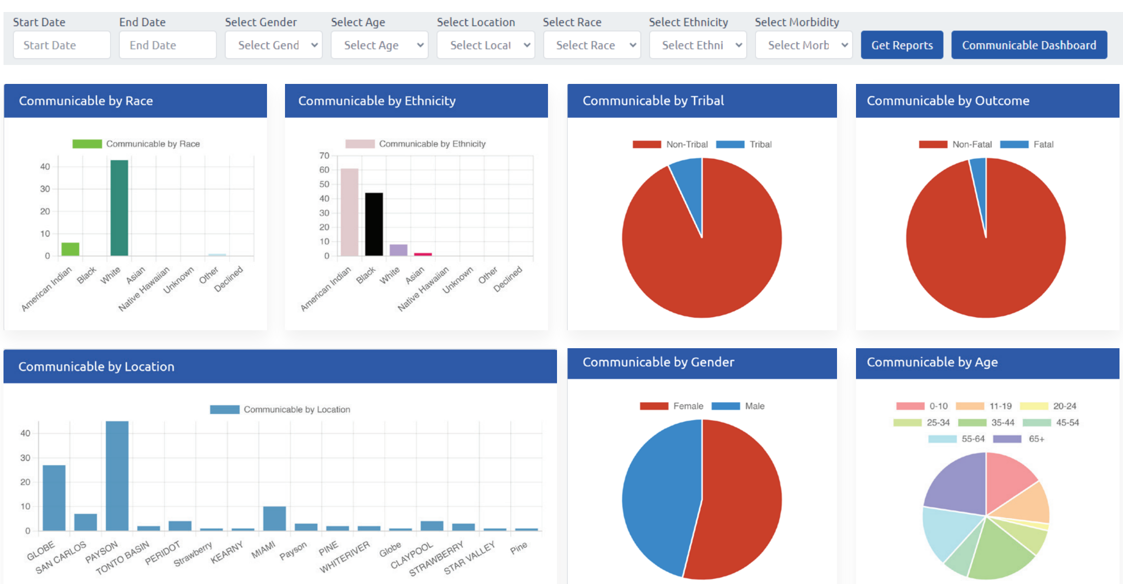


Communicable Disease, cont.

4. You can also review morbidity trends. You can select up to four time periods to compare. You can compare all morbidities or define a specific morbidity type.

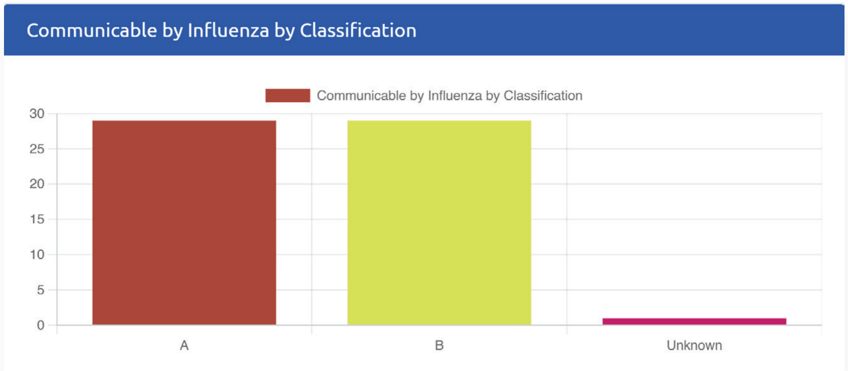


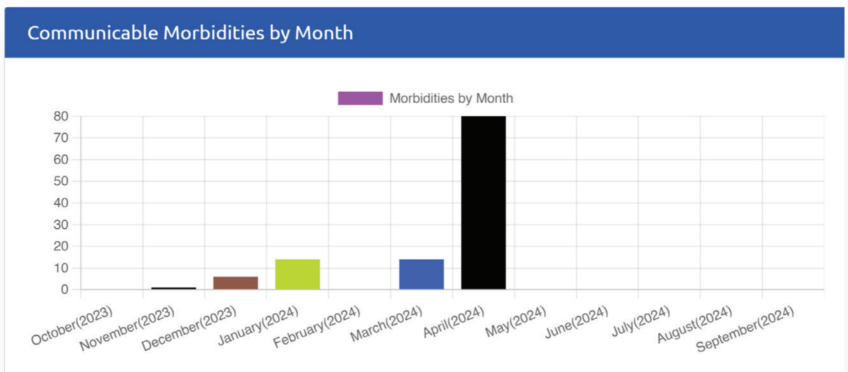
5a. Backend Dashboard: You can define your search based on the following: Start Date, End Date, Gender, Age, Location, Race, Ethnicity, Morbidity. By default, the system will display all data in the system.



Communicable Disease, cont.

5a. Backend Dashboard, continued.





Communicable by Morbidity Total

Show 25 entries Search:

Disease	Cases
Anaplasmosis	1
Campylobacteriosis	1
Carbapenem-resistant Enterobacterales (CRE)	2
Chlamydia trachomatis infection	4
Coccidioidomycosis	3
Gonorrhea	3
Haemophilus influenzae, invasive disease	2
Hepatitis B	4
Influenza virus	58
Norovirus	2
Novel Coronavirus	23

SYSTEMS

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