



Immunization Program Update (Vaccine Preventable Diseases)

Jacqueline Tiema-Massie, DrPHc, MPH

Immunization Program Director

Board of Health Meeting, 4/20/2022



Goal/Objectives/Activities

Goal: The Immunization Program works to decrease the incidence of vaccine preventable diseases by increasing immunization coverage levels for children, adolescents and adults in Chicago.

1. Increase Access to Vaccines

- Distribute vaccines to enrolled providers in the Vaccines for Children (VFC) Program
- Administration of vaccines at Fast Track Clinics
- Administration of vaccines at community events (i.e., CareVan, Adults sites)
- Administration of flu vaccines at walk-in clinics

2. Improve Chicago Vaccines for Children (VFC) Providers' compliance with national vaccine handling and storage requirements

- Site Visits

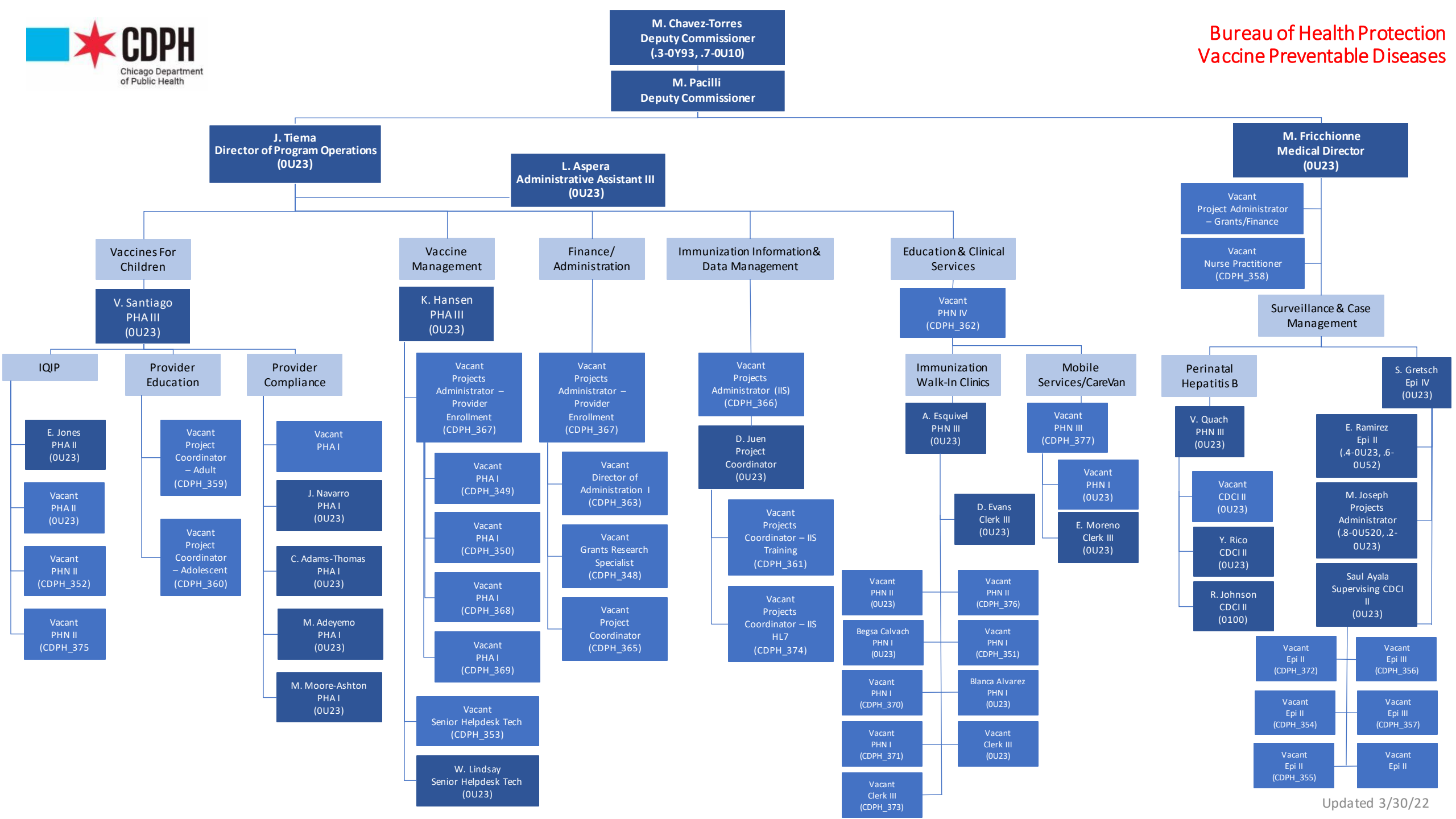
3. Increase the use of IIS (Immunization Information System) data to generate clinic level immunization coverage level reports and vaccine dose levels accountability

- IIS required for participation in the VFC Program - Illinois Comprehensive Automated Immunization Registry Exchange (ICARE)
- Generate practice coverage rates

4. Surveillance and Outbreak Control

- Investigate and document cases of vaccine-preventable diseases

5. Conduct provider and community education to ensure vaccination rates are maintained or increased





Vaccines for Children Program (VFC)

- **Overview:**

- Provide vaccines to children whose parents or guardians may not be able to afford them. VFC helps to ensure that all children have a better chance of getting their recommended vaccinations on schedule. These vaccines protect babies, young children, and adolescents from over 16 diseases.

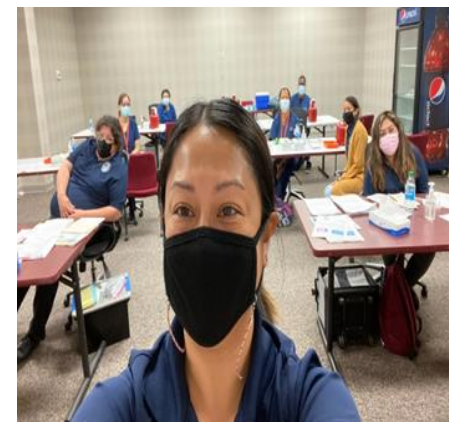
- **Eligibility**

- A child is eligible for the VFC Program if the child is 18 years and younger and is one of the following:
 - Medicaid-eligible
 - Uninsured
 - Underinsured
 - American Indian or Alaska Native
- 338 VFC providers (279 are enrolled in the COVID-19 vaccine program, 83%)



Direct Services Immunization Clinics/CareVan

- **FastTrack Immunization Clinics**
 - **Uptown WIC Clinic** - 845 W. Wilson Ave. Mon - Fri: 9 am to 5 pm
 - **Greater Lawn WIC** - 4150 W. 55th Street, Mon - Fri: 8 am to 4 pm
- **Blue Cross Blue Shield CareVan**
 - Private/public partnership over 25 years
 - Services at workplaces, daycare centers, CPS
- **FY 2021** – Vaccinated over 15,000 residents





Community/Provider Education

- **Everthrive- \$1,000,000**

- Conducts immunization education services and programs by developing and coordinating immunization education programs through peer education, community outreach, quarterly meetings, and public awareness campaigns.
- Build and sustain a coalition of immunization stakeholders to promote the vaccination of Chicago's residents.
- Immunization education for those seeking vaccinations
- Building and sustaining partnerships among immunization stakeholders to help align immunization-related messaging, efforts, and initiatives in Chicago.

- **Illinois Chapter American Academy of Pediatrics (ICAAP) - \$1,000,000**

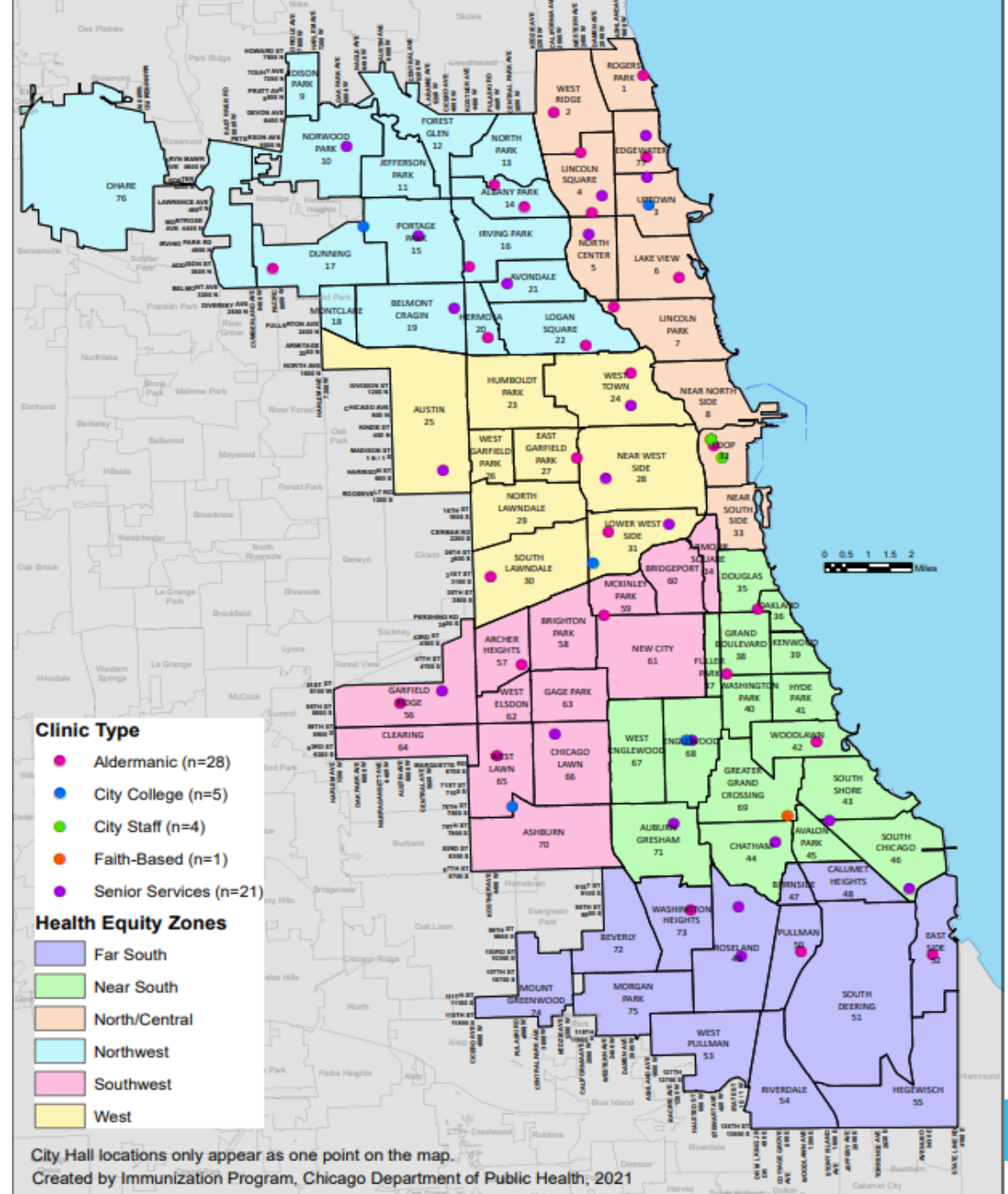
- Conducts healthcare provider educational activities
- Provide continuing medical education for designated Immunization Program events when requested.
- Coordinate live and recorded immunization education opportunities in the classroom, webinars and learning management trainings, and hospital grand rounds.
- Assure that information provided will be current with CDC's Advisory Committee on Immunization Practices recommendations and /or Immunization Program special announcements.

2021 Flu Clinics

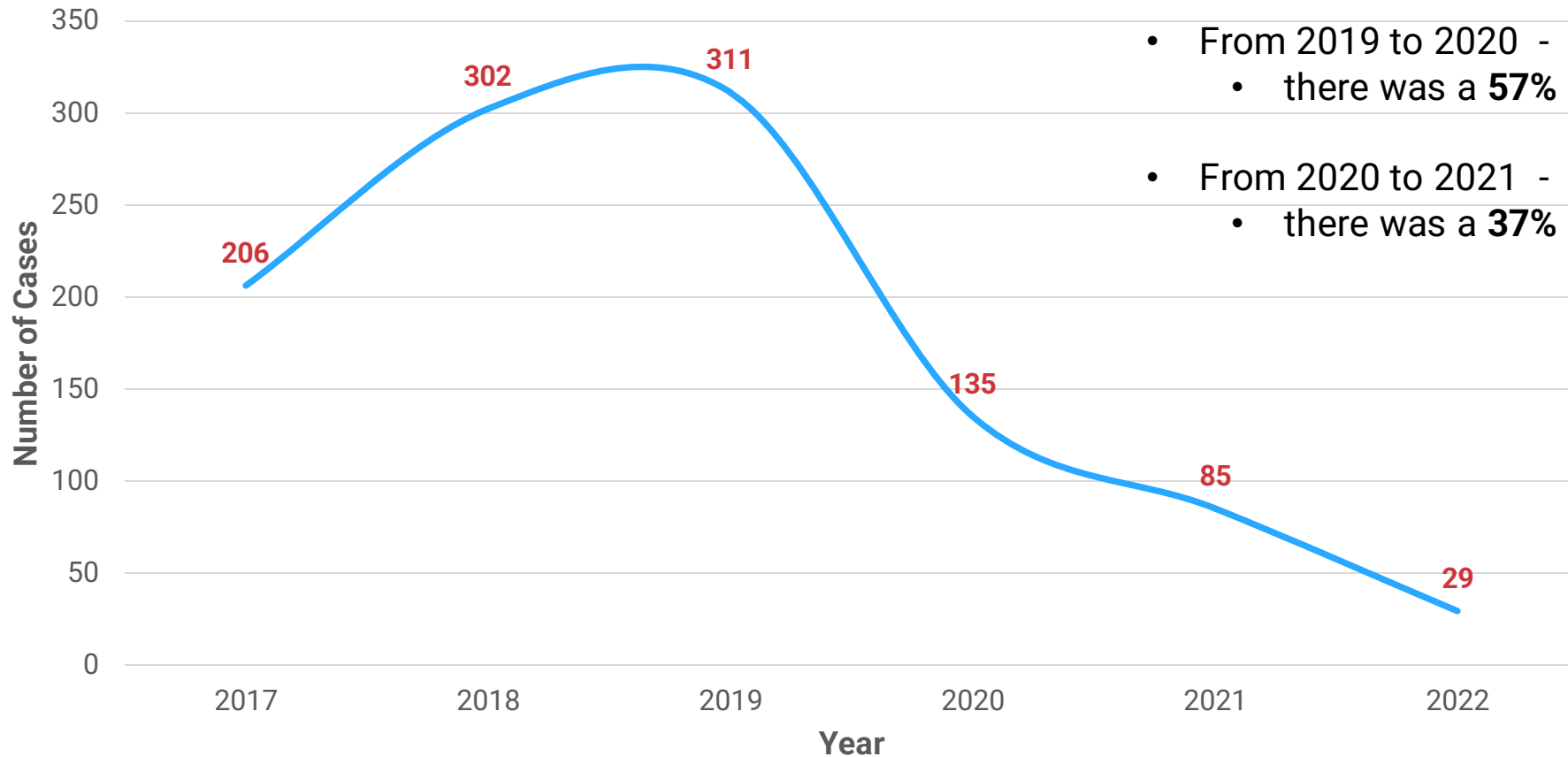


- September-December 2021
- 86 Flu/COVID-19 clinics
- 7,748 flu vaccines and 4,126 COVID-19 vaccines
- 1,191 doses co-administered
- 800 COVID-19 vaccine doses were primary series
- Over 10,500 Clients Served
- 28 Aldermanic Sites
- 5 Family Flu Sites at City College Locations
- 21 Senior Sites
- First-responder locations, City locations, and Faith-based sites

CDPH Influenza/COVID-19 Vaccination Clinic Locations, 2021



Number of Reported Vaccine-Preventable Diseases* among Chicago Residents 2017-2022**



- From 2019 to 2020 -
 - there was a **57%** decrease in reported cases
- From 2020 to 2021 -
 - there was a **37%** decrease in reported cases

Source: Illinois – National Electronic Disease Surveillance System (I-NEDSS).

* Includes: pertussis, mumps, chickenpox, measles, tetanus, haemophilus influenzae (<5 years), streptococcus pneumoniae (<5 years), acute flaccid myelitis (AFM), multisystem inflammatory syndrome in children (MIS-C). Confirmed, probable, and suspect (MIS-C) cases only.

** includes cases as of April 19, 2022.



Operating Budget

Immunization and Vaccines for Children Grant

Grant	Funding Allocation	FTEs
Base Budget Year (BY) 3	\$5,499,407	27.6
COVID Supplemental 3	\$45,759,793	15.0
COVID Supplemental 4	\$35,842,553	15.0
Total	\$91,101,753	57.6



COVID-19 Program Initiatives

- COVID-19 Provider Audit Program -
“COVID-19 Vaccination Program Provider Oversight and Quality Assurance”
- Chicago COVID-19 Vaccine Provider QI (CVQI) Initiative
- Business Affairs and Consumer Protection (BACP) - Employer Vaccine Outreach Project
- Vaccine Operation Center (VOC) Transition to the Immunization Program
 - Protect Chicago At Home Program
 - Healthy Chicago Equity Zones (HCEZ) Vaccine Equity Initiative
 - Incentives



COVID-19 Vaccination Program Oversight and Quality Assurance

- COVID-19 Provider Audit Program
- **Over 750 COVID-19 Providers**
- By March 31, 2022, Chicago was required to conduct site visits to the following:
 - 69 CDC-determined/awardee-enrolled provider locations with COVID-19 vaccine inventory on-site
 - 69 sites: Included 8 dialysis centers, 10 HRSA locations, and 1 Prison.
 - 1 depot (EAMC) used to store or redistribute COVID-19 vaccine to multiple locations
 - To date Chicago has exceeded these targets and completed: **147 Sites (144 by 3/31 or almost 20%)**
 - 29 are locations that receive HRSA vaccine
 - Dialysis centers and one enrolled prison (Illinois Youth Center of Chicago) had no vaccine inventory for the past 6-months so they were ineligible for a site



COVID-19 Vaccine Provider QI (CVQI) Initiative

- "COVID-19 vaccine report card" started at the end of February 2021, as a way to streamline communication around vaccine ordering, allocation, event planning, clinical questions, and quality assurance
- Began as a pilot with FQHCs that included a focus on the initial vaccine rollout priorities: % Chicago residents and 65+ vaccinated, race/ethnicity data transmitted, patient race/ethnicity, % utilization and last time inventory was reported to Vaccine Finder
- In April 2021, 5 provider liaisons were trained and onboarded to become the main points of contact for each provider site in addition to the recruitment of 2 peer healthcare provider faculty who had worked on vaccine QI projects in the past with the state chapter of the AAP (ICAAP)
- As of 4/18, 2,332 report cards have been sent to 217 provider systems since 2/22/21. Liaisons have sent 2,250 of those report cards since their start in April. There have been 2,959 communication touchpoints between liaisons and providers through 4/17/2022 (this does not include the initial email sharing the report card with the provider)

H&S HEALTH SPECIALISTS FAMILY URGENT CARE

- Make every effort to vaccinate eligible persons who present at your clinic, even if you need to puncture a multi-dose vial to vaccinate just one additional patient. You will not be penalized for unused doses. This includes at physicals, well-child visits, and discharges from urgent care visits, the Emergency Department, and the hospital (especially patients discharged to long-term care facilities or rehabilitation and including observation unit/post-partum discharges).
- Check expiration dates regularly and use a "first-in, first-out" storage method.
- Within 24 hours of administration, all vaccine doses must be reported in your EHR and or manually into I-CARE within 72 hours. Ensuring that your HL7 interface continues to transfer information to I-CARE is your facility's responsibility.
- Providers must report COVID-19 vaccine inventory (including any doses wasted) daily into VaccineFinder unless there are no changes from the day before. Inventory reported in VaccineFinder and doses administered in I-CARE should correlate so that there aren't unaccounted doses.
- For more information and resources, visit the Chicago Provider Resource page: <https://www.chicago.gov/city/en/sites/covid19-vaccine/home/facilities.html> and the Chicago HAN page: <https://www.chicagohan.org/covid-19-vaccine>. Reach out to us with questions at qicovidvax@cityofchicago.org.

Vaccine Utilization

	Vaccine Delivered	Vaccine Administered	% Utilized
6/13/21 – 6/19/21	100	13	13%
Cumulative	800	452	57%

Vaccine Type

Moderna Delivered	Janssen Delivered	Pfizer Delivered
800	0	0

Reporting

Last Inventory as of 6/19/21	Unaccounted Doses	% Unaccounted Doses
30	318	40%

Patient Population

% Patients with Race/Ethnicity Data	% Patients that are Chicago Residents	% Patients Aged 12-17	% Patients Aged 18-64	% Patients Aged 65+
10%	84%	1%	98%	1%

Patient Race/Ethnicity

Latinx	Black, Non-Latinx	White, Non-Latinx	Asian, Non-Latinx	Other, Non-Latinx
17%	12%	58%	4%	10%

Chicago Urgent Care Vaccine Metrics

	% Utilized	% Patients with Race/Ethnicity Data	% Patients that are Chicago Residents	% Unaccounted Doses (Absolute Value)
Average among all Urgent Cares	50%	66%	79%	8%
Top Performer	92%	92%	95%	0%

See all citywide metrics at: chi.gov/covid19vax



Employer Vaccine Outreach Project

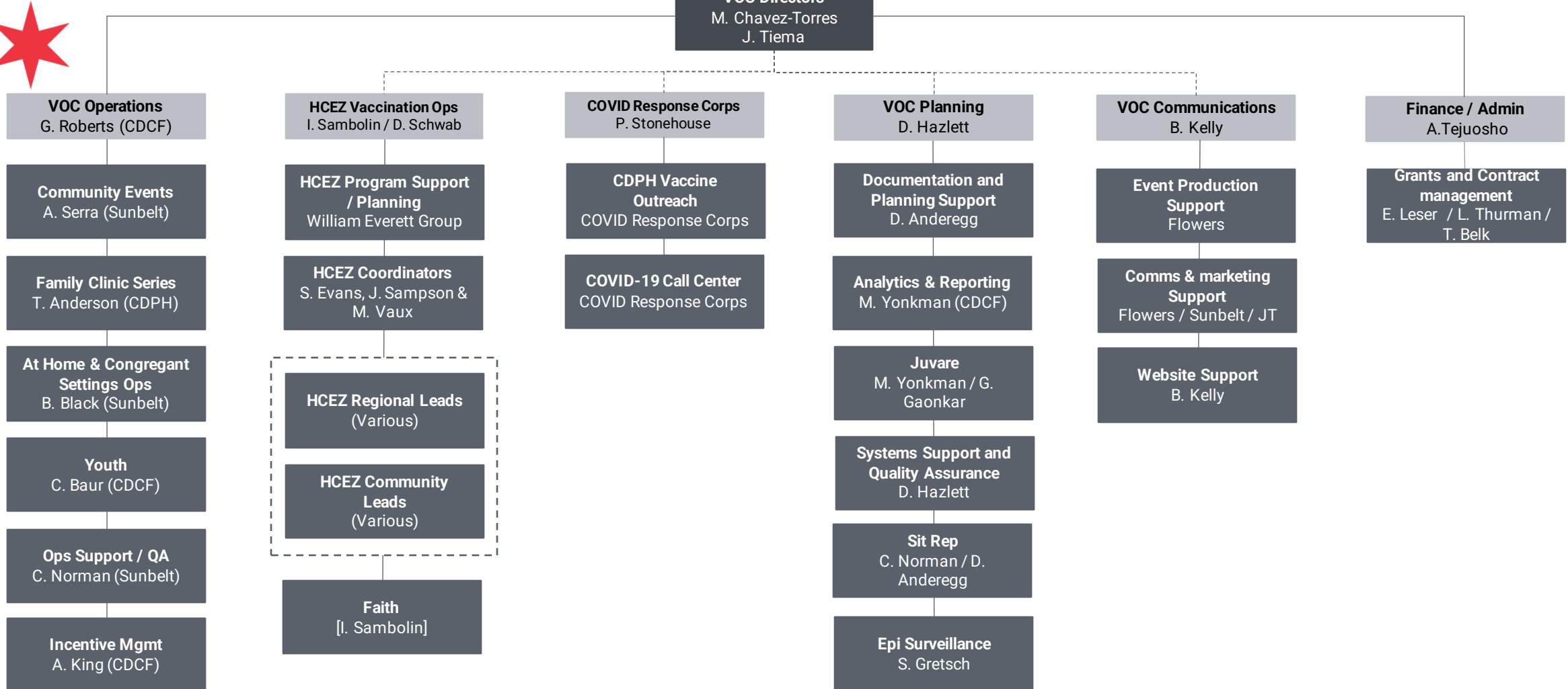
- A partnership with Business Affairs and Consumer Protection (BACP)
- CDPH allocated \$5 million to BACP to support organizations to conduct a vaccine outreach and engagement plan to Chicago's small businesses.
- The program aims to conduct vaccine outreach by providing awareness and educational resources to nearly 60,000 employers throughout Chicago who employ 1.4M employees on the benefits of the vaccine, how to access the vaccine for a safe and secure workplace.
- Services include informing employers of the COVID-19 vaccine, its benefits, and vaccine administration process and supporting efforts to build community awareness of the distribution program, fulfillment of reporting requirements, and facilitation of covid safe workplaces for employees and consumers
- Regional Model: Far South, South, Northwest, West, Southwest, Downtown/North
- Awarded 2 contracts to 2 agencies.
 - Greater Southwest Development Corporation and Pulaski Elston
- Each of the organizations has participated in program overviews conducted by CDPH and BACP
 - The selected respondents have identified subgrantees and have started to do conduct outreach in the Southwest and Northwest communities of the city.
 - BACP is working with the Law Department to reissue the RFP for organizations to provide service delivery on the South, West, and Downtown/North sides of the City. It is anticipated these organizations will be identified and begin work in May.



Vaccine Operation Center (VOC) Transition

- Vaccine Operation Center (VOC) Transition began January 2022
- Key Programs
 - Protect Chicago At Home Program
 - Healthy Chicago Equity Zones (HCEZ) Vaccine Equity Initiative
 - Incentives

Vaccine Command Center (VOC) Working Command Structure

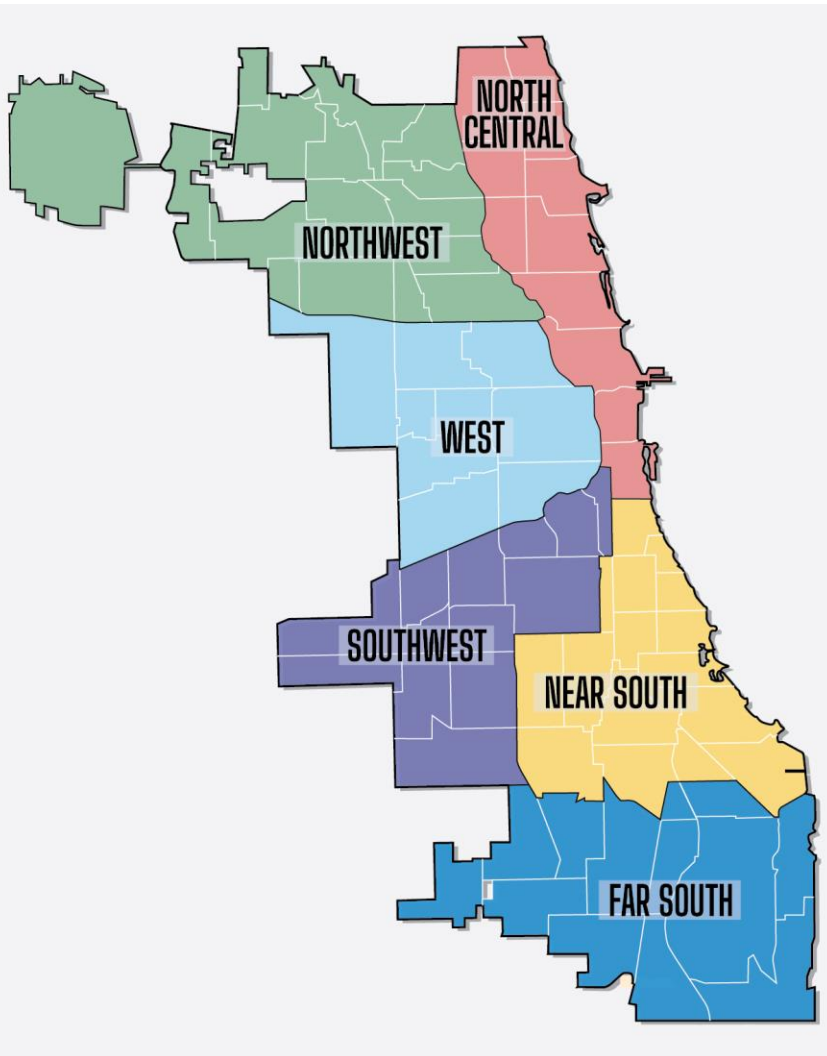


Protect Chicago At Home Program

- Started as a Homebound Pilot in March 2021/Full launch June 2021
- Later expanded to evenings, weekends, and a 7-day operation
- Due to lower demand, on 4/1/22 transitioned to 4-day operation
- Administered 37,608 total COVID-19 doses

Program	Doses Administered	Dates	Pt Population / Eligibility	EMR	Provider
Protect Chicago Homebound	3,521	March – May, 2021	By invitation, homebound pts	VCMS	CFD
Protect Chicago At Home Program	34,087	June, 2021 - Present	Open-registration, all eligible pts	Juware	CDPH Regional Mobile Providers
Total	37,608				

Healthy Chicago Equity Zones (HCEZ) - Vaccine Equity Initiative



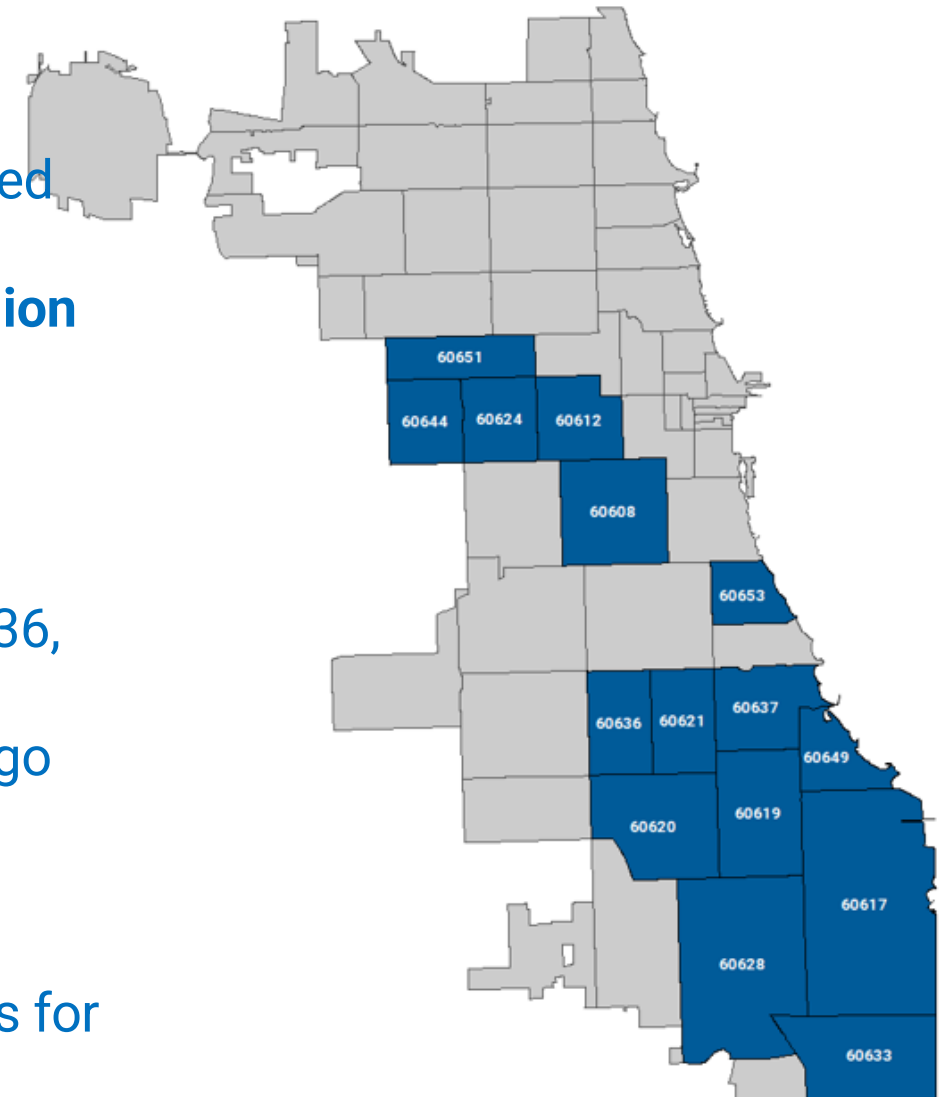
- Hyperlocal outreach and engagement strategy to promote COVID-19 Vaccination to Chicago's most vulnerable communities
- Builds on the successful Protect Chicago Plus vaccine equity pilot
- CDPH has invested over 12 Million in 2 6-month contracts with 6 HCEZ Regions
- Since December, **300 vaccine events**, vaccinating over **12,000 Chicagoans**
- Since the project began, **1,250 outreach or vaccine events engaged nearly 150,000 Chicago residents!**
- HCEZs have made nearly **3,000 clinic appointments and nearly 500 at-home appointments**

Incentives Program



- The current program began in July 2021
- \$50 Visa gift cards for each dose of vaccine administered (1st and 2nd dose of Pfizer or single dose of J&J)
- To-date distributed ~ **61K gift cards and spent \$3.7 Million in incentives**
- Starting 4/1, focusing on 17 zip codes that are <70 vaccinated (5+ with completed series)
- These zip codes include the following: 60608, 60612, 60617, 60619, 60620, 60621, 60624, 60628, 60633, 60636, 60637, 60644, 60649, 60651, 60653, 60707, 60827
- Incentives are currently available through Protect Chicago At Home program, CPS clinics (schools in targeted zip codes), and HCEZ events.
- Most incentives will be mailed (but a limited amount of physical gift cards will be available at vaccination events for the transient populations).

Zip Codes Eligible for Incentives



★ April – Immunization Awareness Weeks

Adolescent Immunization Action Week

- April 4th – 8th

World Health Immunization Week

National Infant Immunization Week

- April 24th – April 30th

★ Adolescent Immunization Action Week! #AIAW22

April 4th – April 8th

- An opportunity to encourage parents and healthcare providers to get adolescents up to date on all recommended immunizations.
- These include:
 - Flu Vaccine Every Year
 - 11-12 Years
 - HPV, Meningococcal ACWY, Tdap
 - 16 Years
 - Meningococcal B, Meningococcal ACWY booster
 - COVID-19 vaccines & booster



PROTECT YOUR TEEN

Make sure your teen is up to date on all immunizations to protect them from meningitis, tetanus, diphtheria, whooping cough, and HPV-related cancers.



How do the vaccines my teen needs work?



Vaccines allow your body to stop infection before you get sick, or they prevent you from becoming seriously sick if you get infected by familiarizing your immune system with a specific disease-causing invader, or pathogen. Then your immune system recognizes and makes antibodies to that pathogen to fight the disease if you are infected in the future.

IS YOUR ADOLESCENT UP TO DATE ON THEIR IMMUNIZATIONS?



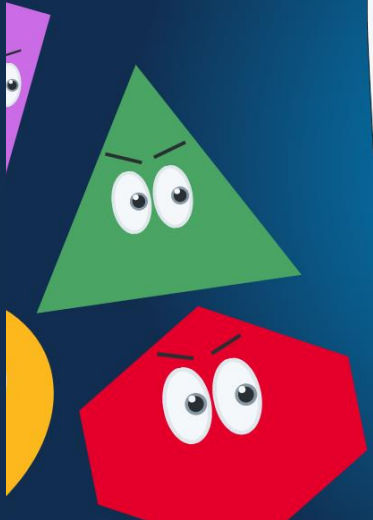
CDC-RECOMMENDED VACCINATION FOR ADOLESCENTS

EVERY YEAR Flu vaccine

- 11-12 YEARS**
- HPV (2 doses)
 - Meningococcal ACWY
 - Tdap

- 16 YEARS**
- Meningococcal B*
 - Meningococcal ACWY booster
- *adolescents may be vaccinated with a 2-dose MenB vaccine, the preferred vaccination age range is 16 through 18 years.

Stay up to date with COVID-19 vaccines & booster





World Health Immunization Week

April 24th – April 30th

- World Health Org. initiative that promotes vaccines to protect people of all ages against vaccine-preventable diseases, in all countries and communities.
- Healthy Chicago Equity Zones Regional Leads are working with their Community Leads to promote COVID-19 vaccination events citywide during this week.
 - Health/Resource Fairs (with COVID and pediatric vaccinations)
 - Immigrant focused vaccination event
 - Community convening to promote/discuss COVID-19 vaccinations/health concerns in North Lawndale
 - Public Health Ambassadors to canvass in neighborhoods
 - Other plans underway

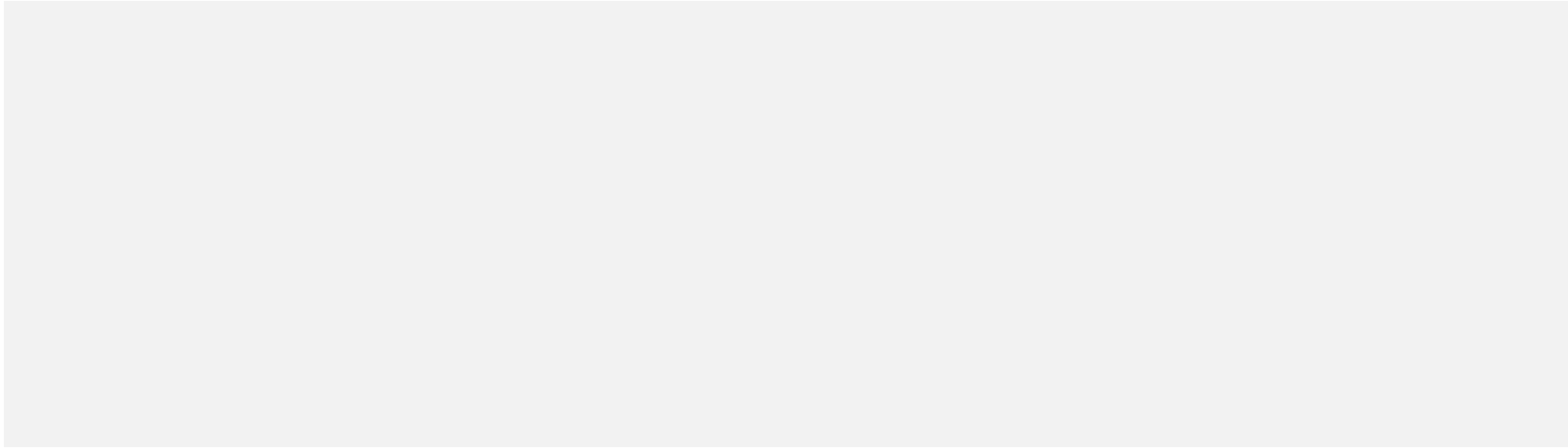


★ National Infant Immunization Week

April 25th – April 30th



- National Infant Immunization Week (NIIW) is a yearly observance highlighting the importance of protecting children two years and younger from vaccine-preventable diseases.
- In May 2020, CDC released a report on the drop in routine childhood vaccination as a result of parents/families staying at home.
- More than ever, it's important to encourage parents/families to stay on track for routine childhood checkups and recommended vaccinations following COVID-19 related disruptions.
- CDC has released it's 2022 campaign
 - <https://www.cdc.gov/vaccines/events/niiw/index.html>



[Chicago.gov/Health](https://www.chicago.gov/Health)



HealthyChicago@cityofchicago.org



[@ChicagoPublicHealth](https://www.facebook.com/ChicagoPublicHealth)



[@ChiPublicHealth](https://twitter.com/ChiPublicHealth)