# Vaccinating an Invisible Community – A Success Story

Diego Chaves-Gnecco, MD, MPH, FAAP Program Director & Founder Associate Professor UPMC Children's Hospital of Pittsburgh University of Pittsburgh School of Medicine - Dept. of Pediatrics





### Aims

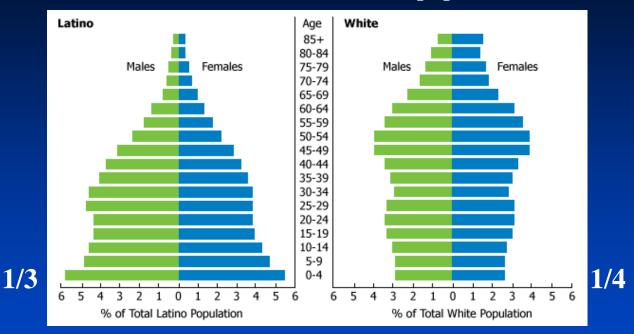
- 1. Review demographic characteristics of Latinos
- 2. Review epidemiologic characteristics of COVID19 in Latinos
- 3. Learn why Latinos are especially vulnerable to COVID19
- 4. Learn about strategies that were followed to support/help the Latino community
  - a. Advocacy
  - b. Community resources
- 5. Learn about Salud Para Niños
- 6. Learn about vaccination efforts among the Latino community





### Latinx in the U.S.

• 62.1 M Latinx in US in 2020 (18.7 % population)



2020 U.S. Census 2018 American Community Survey Sample





### Latinx in the U.S.

- 70% citizens; 89% children born in the U.S.
- 52% 2<sup>nd</sup> generation; 37% 3<sup>rd</sup> generation
- 77% speak Spanish; 62% also speak English
- 72% 25 years and older had at least high school
- 50 % homeowners
- 19.5 million vote 25 million eligible to vote

Zambra R. Council on Contemporary Families 2009.

American Community Survey 2019

U.S. Census Bureau





### Resilience

Capacity to recover quickly from difficulties; toughness.

Beliefs, Values, and Practices

Latino Culture	Mainstream Culture		
Cooperation	Competition		
Emphasis on	Emphasis on		
interpersonal relations	task orientation		
Collective orientation	Individual orientation		

Extended family systems Nuclear family systems

Lynch, E and Hanson, M. *Developing Cross-Cultural Competence*. Paul H. Publishing Co, Baltimore, MD. 1992.





Latinx in Pennsylvania

	Latinx	Total PA	
Total Population	1,049,615	13,002,700	
White	197,270	9,553,417	
Black/African American	54,191	1,423,169	
American Indian/Alaska Native	16,024	15,028	
Asian	3,827	506,674	
Native Hawaiian/Pacific Islander	1,114	3,162	
Some Other Race	453,990	54,541	
Two or More Races	323,199	451,285	

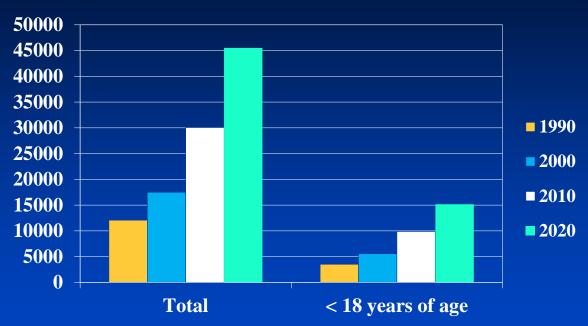
8% Latinx Ethnicity

University of Pittsburgh

UPMC
LIFE CHANGING MEDICINE

2020 U.S. Census

# Latinx in SWPA Growing and Young Population



Southwestern Pennsylvania: Allegheny, Beaver, Butler, Fayette, Greene, Washington and Westmoreland Counties.



UPMC LIFE CHANGING MEDICINE

### Latinx in SWPA



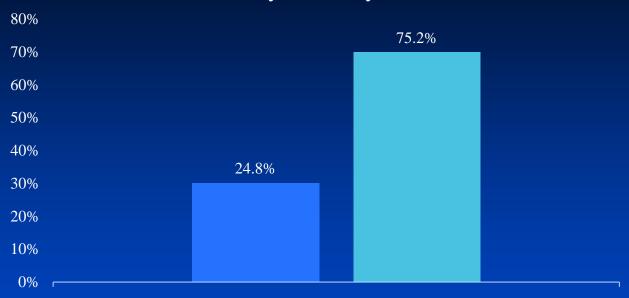
- Country of origin
- Disproportion between education and income
- Lack of *barrio* or neighborhood





### Latinos and COVID19 in the U.S.

CDC Cases by Ethnicity 10/28/2022



■ Hispanic/Latino ■ Non-Hispanic/Latino

Data collected from 90,780,507 cases Ethnicity only available for 59,658,490 (65%) cases



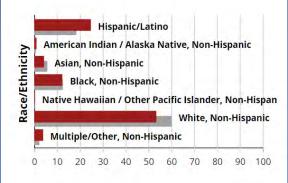


### Latinos and COVID19 in the U.S.

### CDC Cases by Race & Ethnicity 10-28-22

Cases by Race/Ethnicity:

Data from 90,780,507 cases. Race/Ethnicity was available for 59,658,490 (65%) cases.



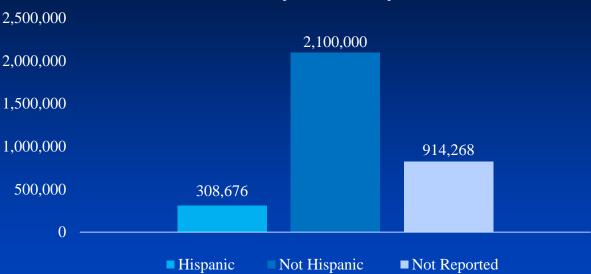
- Percentage of Cases, All Age Groups
- Percentage of the US Population, All Age Groups
- Show Percentage of the US Population that is in this demographic category





### Latinos and COVID19 in Pennsylvania



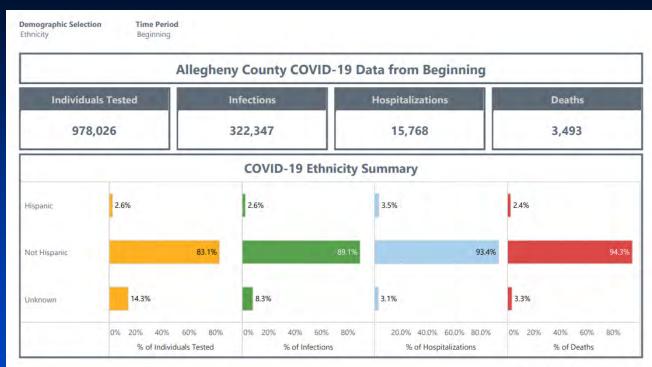


PA Dept of Healthy 10/31/2022





### **Allegheny County Health Department 10/26/2022**



LAST DATA REFRESH: 10/26/2022 5:59:32 PM





### **Latinos and COVID19**

- Three times as likely to contract COVID19
- Twice as likely to die from COVID19
- Higher risk of social determinants effects
- Higher mortality in Latino communities
- US 18% of the population nationwide 27% of all COVID19 deaths
- NYC 29% Latinos 39% of all COVID19 deaths





# Why are Latinx more vulnerable to COVID19?

- Higher number of essential jobs (e.g.: health care, service industry, food services & industry, construction, etc)
- Higher risk of jobs with physical contact
- Less access to health care
- Only 49% of Latinx have health insurance
- Less access to preventive care
- Higher risk of diabetes and obesity
- Higher risk of cardiovascular conditions and HTN with poor control due to lack of health care access
- Lack of information about COVID19





# **Addressing Health Equity** at the Clinical Level

- Collect transparent data
  - age, sex, race/ethnicity, primary language, SES (Zipcode)
- Screen for Social Determinants of Health (SDOH)
- Employ communication tools when LEP
- Develop communications tools for patients with disabilities
  - Surgical masks with clear windows
  - Photos of clinical team can alleviate anxiety
- Involve diverse personnel in developing clinical and ethical guidelines

University of Pittsburgh



### Health Care Access Barriers

- Language
  - 1/15 US children ages 5-17 limited English
- Cultural aspects
- Insurance
- Socio-economic status
- Transportation
- Immigration status
- Other

Flores G. NEJM 2006;355:229-31





# Health Care Barriers: Impact Pediatric Care

#### System

- Access to health care
- Likelihood of regular source of care
- Continuity of care
- Immunization rates

#### Communication

• Doctor-patient communication

#### Patient

- Adherence
- Health status
- Use of harmful remedies

#### Provider

- Adequacy of analgesia
- Preventive screening
- Prescription practices

Flores G. Journal of Pediatrics 2000;137:842-8





# SALUD PARA NIÑOS (Health for the Children)

### Program Aims

- 1. Reduce health disparities
- 2. Combat social isolation
- 3. Partner with community agencies
- 4. Permit systematic data collection
- 5. Create an ideal environment for developmental screening





### Design

- 1st pediatric bilingual/cultural competent clinic in SWPA
- Created 20 years ago as Medical Home for Latinx children and families

(CORE Project / Resident CATCH grant)

- Provides traditional primary care services at CHP, Birmingham Clinic, Casa San Jose & CHP Care Mobile
- Increase prevention and empower community to address its own health





# SALUD PARA NIÑOS CHP PCC Clinic

- Bilingual-bicultural clinic:
  - Tuesday afternoons
  - Thursday mornings
  - Friday mornings
- Staffed by Spanish speaking physicians, nurses and volunteers
- Spanish phone line 412-692-6000 opt. 8





### SALUD PARA NIÑOS Birmingham Clinic

- Free Pediatric clinic
  - 2<sup>nd</sup> Saturday/month
- Partners with Program for Health Care to Underserved Populations
- Community support
  - University of Pittsburgh
  - Salvation Army support
  - Americorps members
- Several sub-specialty clinics





### SALUD PARA NIÑOS CHP Care Mobile

- 40-foot long
- Donated to CHP in 2001 by Ronald McDonald House Charities – New 2019
- Once a month at Birmingham clinic
  - Increase room availability
  - Track medical records
  - Nursing support VFC







# SALUD PARA NIÑOS CHP Care Mobile



- Free Pediatric clinic Every Tuesday morning
- Partnership with Casa San Jose





### SALUD PARA NIÑOS Community Programs

# Co-organize community fairs

- Promote healthy habits and ongoing programs
- Distribute health information
- Give presentations about child care and current health topics

Advocacy

Other events



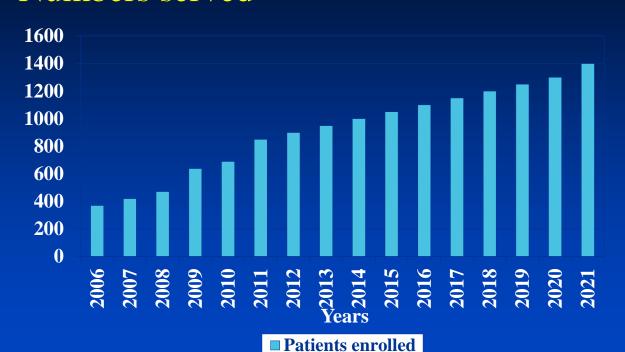


### Results





### SALUD PARA NIÑOS Numbers served







### SALUD PARA NIÑOS Numbers served

- 6% of all the visits at the CHP PCC
- 1800 visits/year
- 150 children assisted with obtaining health insurance





### SALUD PARA NIÑOS Community Programs – CPR Classes

- 7 CPR community classes
- More than 200 people trained in CPR





### Latinx Car Seat Checks

- Since summer of 2003
  - 26 events planned and organized
  - 622 car seats checked
  - 309 car seats replaced
  - Two bilingualbicultural certified TECHs





### Partnership with Family Support Centers

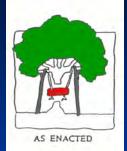






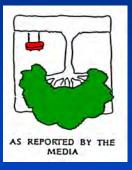
## Latino Family Center





















# Latino Family Center











COVID-19: Lo Que Usted Debe Saber en Pittsburgh

Presentado en la página de Facebook de Casa San José

Viernes 1 de mayo 1 p.m. EDT









### Community Resources in SWPA







Casa San Jose Monday through Friday 9am a 5pm. General questions: 412-343-3111

Immigration Emergencies: 412-736-7167

www.casasanjose.org

AIU Family and Immigrant Connections Monday through Friday 8:30am to 4:30pm. General questions: 412-325-8111 www.aiu3.net/Page/30

Latino Community Center Monday through Friday 9am to 5pm. General questions: 412-335-7446 www.latinocommunitycenter.org





### Community Resources in SWPA







### Community Resources in SWPA Casa San José







# El Dr. Diego Le Cuenta

#### Experiencias sobre la vacuna anticovid

Los primeros cargamentos de las dos vacunas, la de Pfizer y la de Modema, aprobadas para su administración tidio condiciones de emergencia estarán destinados a trabajadores como adultos mayores.

Para lograr estas vacunas, las compañías farmacéuticas han pasado por un largo proceso para demostrar que con efectivas y seguras.

En un estudio sopre vacunas y meinventigaciones en el laboratorio y en

Así se determinó que la utilización del mBNA làcido riponucieno mensaviscurian panari per trec a custro faces de investigación en humanos

-En la primera, portiopon entre 20 Se determina si la vacuna eo segura, si funciona, pero sobre todo si hay efector necundarios nerios, y ne analiza su efectividad con respecto a

-Ein la cegunda, participan varios cientos de sujetos sanos voluntarios para conocer si hay efectos securdarios a corto piazo y determinar la

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En estos estlutios de monera sies-



El Dr. Diego Chovet-Gresso, MD, MPH y FAAP es el director y fundador de la ci nics pediatrics billingle Salud para Nikos (Nealth for the Children) del Children's Hospital de Pittsburgh. Et médico pediatra y profesor associado de la Universidad de Pittsburgh, Facultad de Medicina del Ohlidren's Hospital de Pittsburgh



Claudia Ardiles, ferapista y conselera que frabala con Salud Para Niños y UPMO, fu voluntaria en el encayo olinios de la vocuna anticovid. Recibió la primera dosis el 5 de peptiembre y la pegunda, el 4 de colubre (Cortetia/Claudia Ardilleti

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2) La angustia de no poder viajor is see a mi mode, raised numeric 90. afos en abril en pleno "lockdown".

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(5) El hecho de que los istinos y tans de mortalidad más elevada debido al COVID. Pedian voluntarios de

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Dr. Diego: ¿Switte algun terror al Claudia Artilles: Nunca Samon

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Primera dosto dolor de cabeca



#### SALUD PARA NIÑOS

Children's Hospital de Pittsburgh | Unidad Movil | Dimica Sirmingham Feolias: (sábados) enero 9, febrero 13 y marzo 13

Hara: 8:30 a.m.=12 p.m. Lugar: 2100 Jone Street. The Roeach-Taylor Bidg. South Tower.

Pittsburgh, PA 15203. Para más información o hacer cita lisme at /41/3 692-6000. opción 8 o use el siguiente enlace

SE REQUIERE CITA PREVIA. NO ES NECESARIO TENER DE-

Oktidren's Hospital de Pittsburgh i Unidad Mövil i Dasa San Jape Fechas: Todos los martes en la mañana

Hora: 8:30 a.m.-12 p.m. Lagar: 2116 Broadway Ave., Pittsburgh, PA 15216. Para mayor información o reservar cupos puede llamar al (412)-692-6000, opción 8 o une el piquiente enface:

SE REQUIERE CITA PREVIA, NO ES NECESARIO TENER SE-

CLÍMICAS PEDIÁTRICAS Y DE VACUNACIÓN EN ESPAÑOL

CHILDREN'S HOSPITAL DE PITTEBURGH I PRIMARY GARE GENTER CLÍNICAS BILINGUES-BICULTURALES I CHP CENTRO DE AFENCIÓN

Lugar: Centro de Atención Primaria en Oskland, 3400 Fifth Ave., Pitts-

Para información en eccaños o hacer su ota llame al 1412 692-6000. opcon 8 o use el siguente entace:

WE ARCHEADIO TRAVES CITA RESULA VISSCURO DE SALLID.

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En ambos pasos 24-00 horas después volví a estar normal Mi esposo, quien es tampién vo-

Pagados tres meses, nunce más Dr. Diego: /Tuviste siguin efecto - tuvimos ningún sintoma. Dr. Diego: ¿Que le recomendarias

Claudia Ardiles: Primergments.

Cuartos más nos vacunémos

No tempo a los efectos secundape pero por solo 24 horas. Algunas personas los tienen más intensos que otros, pero se van en un dia, dia y medio. Bacomiando planear un dia lluisno después de la vacuna. El presto divelà por un par de disci

Debido a que nuestra comunidad.

trabajo muono en tareas ecenciales o protejamos y protejamos a los demás

#### ¡Vacunemos a nuestros hijos contra el COVID-19!



Mi bila, al momento de recibir sa vacuna contra el COVID-19. en UPMC, en poviembre de 2020, (La Mega Nota/Singo Cha-

DIEGO CHAVES CHECCO

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**UPMC** 

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Children's UPMC

SALUD PARA NIÑOS

Children's Rospital de Pittsburgh I Sinitad Movil I

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Fechas: Todos ins martes on is multima Nece 1000 a.m. 42 p.m.

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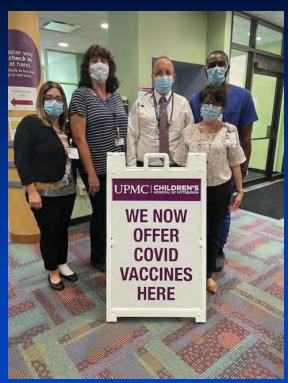
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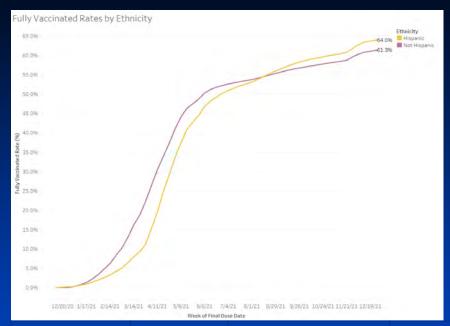
### **COVID19 Vaccination Clinics**











# Allegheny County Vaccination Data

Vaccine Data as of 1/1/22 Antony Gnalian

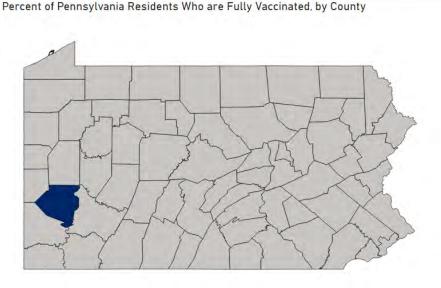
Ethnicity	Fully	ETHNICITY POP;	Vaccination Rate
	Vaccinated	5+ (2019)	(ETHNICITY; 5+) (FULL)
Hispanic	16,306	25,492	64.0%
Not Hispanic	691,320	1,126,782	61.4%
Unknown	92,121		





### Allegheny County Vaccinations 10/26/2022





Ethnicity		Hispanic			Not Hispanic				
County		People with at least one vaccine dose	and Aller and Aller and Aller	Fully Vaccinated		People with at least one vaccine dose		Fully Vaccinated	Bivalent Booster Dose
Allegheny	%	83.4%	18.2%	65.2%	7.3%	61.7%	8.3%	53.4%	9.2%





### Conclusions & Future Initiatives

- Need for culturally and linguistically competent health care for Latinx children
- Need for prevention & promotion
- No need for new resources or services in most cases
- Most services are in place and just need to be connected or adapted
- Need to advocate for those who cannot speak for themselves





### Acknowledgements

- Terence Dermody MD
- Alejandro Hoberman MD
- Liz Miller MD PhD
- Debra Bogen MD
- Dena Hofkosh MD
- Maya Ragavan MD
- Justin Schreiber DO
- Jen Wolford DO MPH
- Evelyn Reis MD
- Steve Reis MD
- Matthew Pihlblad MD
- Evan Waxman MD PhD
- Jacqueline Kreutzer MD
- Laura Navarro MD
- CHP Care Mobile Staff
  - Sharon Hart RN
  - Rosanne Wise RN
  - Bryan Burgess
  - Thomas Skemp
- Casa San Jose
  - Monica Ruiz
  - Sister Janice Vanderneck
- University of Pittsburgh

Volunteers

- CHP GAP Faculty and Staff
  - Jayme Falconio
  - Carilynn Coulter
  - Janice Frye RN
  - Hela Edelsack
  - Melissa Castano
- CHP Volunteer Office and Volunteers
  - Amy Messick
- Birmingham Clinic
  - Mary Herbert MPH
  - Elizabeth Schwartz RN
  - Alyson Barra
- TECHS
- CHP Injury Prevention Program
  - Chris Vitale RN
- CHP Community Education Program
- Allegheny County Health Department
- AIU3 Family and Immigrant Connections
- University of Pittsburgh
  - School of Dentistry
  - School of Law
  - School of Medicine
  - School of Nursing
  - School of Social Work

