

The Pool Center for Health Analytics

Strategic Vision

The Pool Center for Health Analytics (PCHA) focuses on community health issues, including Social Determinants of Health (SDOH) and public health topics, to understand and drive measurable improvements in the health of the community.

PCHA engages and partners with community organizations to design modern analytics capabilities that deliver actionable data and analytics at the community level.

“The Community Analytics Portal puts relevant, useful data in an easily accessible format that assists in better understanding our community and the issues facing our citizens. It provides a wide breadth of data that makes grant writing easier and changes what we think we know to what we can actually prove through data. This portal is a game changer.” – Vicky Kistler, Director of Community and Economic Development, City of Allentown

New Pool Center for Health Analytics Portal

Portal launched June 30, 2022, and content added monthly

9 SDOH and clinical health areas with data visualizations

967+ data points and growing

PCHA built the technology foundation to define, collect, analyze, and share relevant community data to measure and support improvements in the health of the community and actively seeks opportunities to further deliver analytics value to partners.

Safe, Secure and Segmented Portal

A custom-built cloud-based extranet environment is in place to support all technology requirements. All PCHA data is kept completely separate from LVHN data, and separate from other partner's data, with advanced cybersecurity and authentication methods. Role-based authentication is in place to deliver partner-specific views. Although login-based analytics are possible now, all portal data is available to all portal visitors.

Modern Analytics and Tools

PCHA is applying modern analytics tools and approaches to define and integrate community data relevant to SDOH, public health, and related issues in an evergreen analytics foundation, with a database capable of collecting and storing large amounts of data, presented in a Tableau analytics infrastructure.

The analytics library is sourced from a combination of publicly available data and anonymized LVHN clinical data and the new anonymized LexisNexis socioeconomic data. Most of the visualizations are published in a map view with the ability to filter to the Census Tract and street level.

The First LVHN Community Health Symposium

As a participant in the LVHN Community Health symposium on November 16th, PCHA delivered four interactive breakout sessions with more than 100 participants. Partners provided lots of ideas for further enhancements, including best practice sharing, analytics training, trending, and deeper levels of education, transportation, and behavioral health data.

Community Partner Priorities

PCHA's priority is focusing on what community partners asked for at the symposium and will add the participant survey and feedback results when available.

1. Provide training on how to use the PCHA data and analytics
2. Best practice forums for collaboration between partners
3. Case studies and ongoing WebEx's to share what is new at PCHA
4. Trending the American Community Survey (ACS) data
5. More education literacy, behavioral health, primary care providers and transportation data
6. Layering and grouping data already published in different ways

What's Next at PCHA

On January 18, 2023 at noon, PCHA is hosting the first community partner PCHA online forum to share what is new at PCHA, align on priorities with partners, and walk through a data gathering scenario.

New data visualizations that will be published in early December focus on housing – vacancy rates, cost as a percentage of income, severe housing problems including overcrowding, lack of sufficient kitchen and plumbing facilities. Next, the PCHA will bring in literacy rates based on standardized scholastic testing results and math, reading and science levels by school.

What We Need from You

1. Send scenario ideas for the forum to PCHA@Poolcha.org
2. Attend the first PCHA online forum on January 18th at noon. Unable to attend at that time? Participate in the recording. [Link to the PCHA forum WebEx](#), the dial-in number is +1-415-655-0003, access code 2307 969 7305. More information will be emailed before the event.
3. Don't wait until the PCHA online forum to ask questions and share ideas, reach out to PCHA@Poolcha.org

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About Sign In

COMMUNITY ANALYTICS PORTAL

Welcome

The influence SDOH have on a person's overall health and well-being is complicated, and because of this complexity, different definitions are used to describe SDOH. In general, most organizations recognize either 4 or 5 domains focused on a person's physical health and well-being.

The [World Health Organization](#) says a person's social determinants of health are defined by the distribution of money, power, and resources at global, national, and local levels, and are primarily responsible for health inequities.

SDOH can impact health outcomes and quality of life. The CDC recognizes 5 domains that influence a person's health and overall well-being through [Healthy People 2030](#).

Social Determinants of Health (SDOH)

According to the [World Health Organization \(WHO\)](#), many studies suggest 30-55% of health outcomes are influenced by SDOH.

Improving health and reducing health inequities relies on adequately addressing SDOH.

ECONOMIC STABILITY	EDUCATION	NEIGHBORHOOD & ENVIRONMENT
COVID-19	HEALTH CARE	SOCIAL & COMMUNITY
MONKEYPOX	POST-COVID CONDITIONS	SUBSTANCE USE