IMPAQ HEALTH

March 25, 2020

COVID-19 and Health Data:
National Association of Health Data Organizations Webinar

OVERVIEW

- Overview of IMPAQ
- Services to Support Health Data Organizations
- Examples of Project Experience
- Use Cases Relevant to COVID-19 Crisis

IMPAQ's FLEXIBLE, RESPONSIVE SOLUTIONS ARE INTEGRAL TO PUBLIC PROGRAMS AND POLICY

- FOUNDED IN 2001
- POLICY EXPERTS ACROSS HEALTH, HOUSING, NUTRITION, WORKFORCE, EDUCATION
- 400+ STAFF ~70% HOLD ADVANCED DEGREES
- HEADQUARTERS IN COLUMBIA, MD
- OFFICES IN WASHINGTON, DC; OAKLAND, CA; BOSTON, MA; AND SEATTLE, WA
- INC. 5000 FASTEST GROWING COMPANY

IMPAQ SERVICES

- Research Studies and Program Evaluation
- Technical Assistance and Implementation Support
- Strategy and Change Management
- Quality Improvement
- Survey Research and Data Collection
- Stakeholder Engagement

ADVANCED ANALYTICS CAPABILITIES

- Artificial Intelligence and Machine Learning
- Natural Language Processing
- Data-Intensive Services, Data Analytics
- Simulation
- Data Visualization and Human-Centered Design
- Data Product and Tool Development
- High-Performance Computing

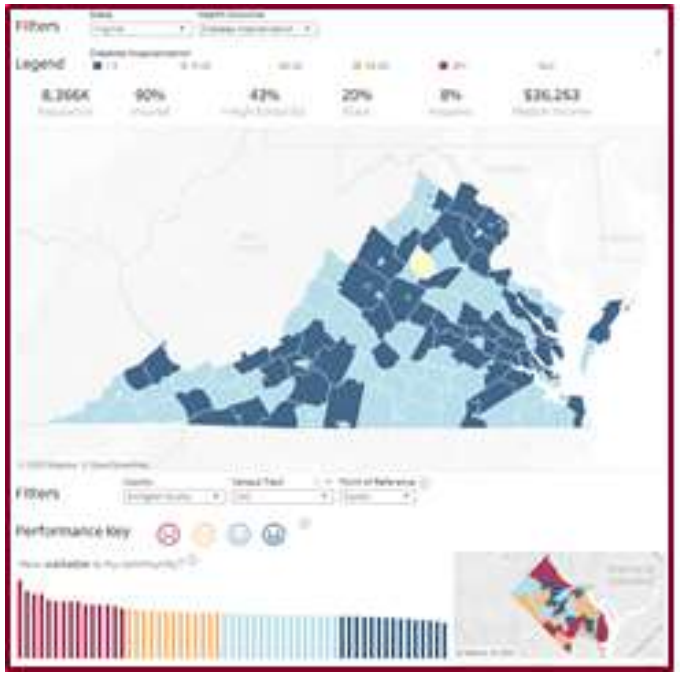
RELEVANT PROJECT EXPERIENCE

AHRQ SYNTHETIC HEALTH CARE DATABASE

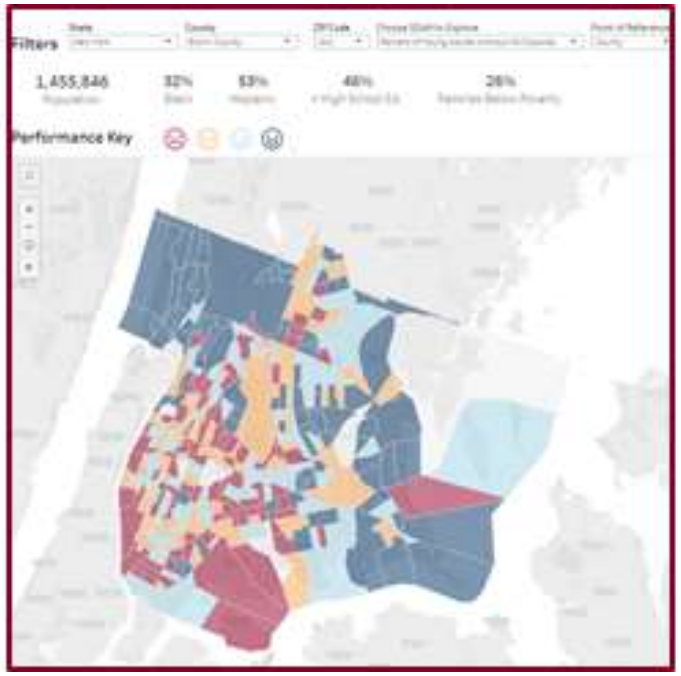
- IMPAQ is supporting AHRQ by creating a synthetic health care database (SyH-DR)
    - Enable researchers to identify inefficiencies, opportunities for improvement in healthcare system
    - Database populated by claims from government and commercial insurers
- IMPAQ conducted environmental scan to identify APCD use cases applicable to SyH-DR
- Similar methodology can be applied to review COVID-19 resources such as:
    - Allen Institute for AI COVID-19 Open Research Dataset
    - WHO database of publications on coronavirus disease

SDoH DASHBOARD ACTION TOOL

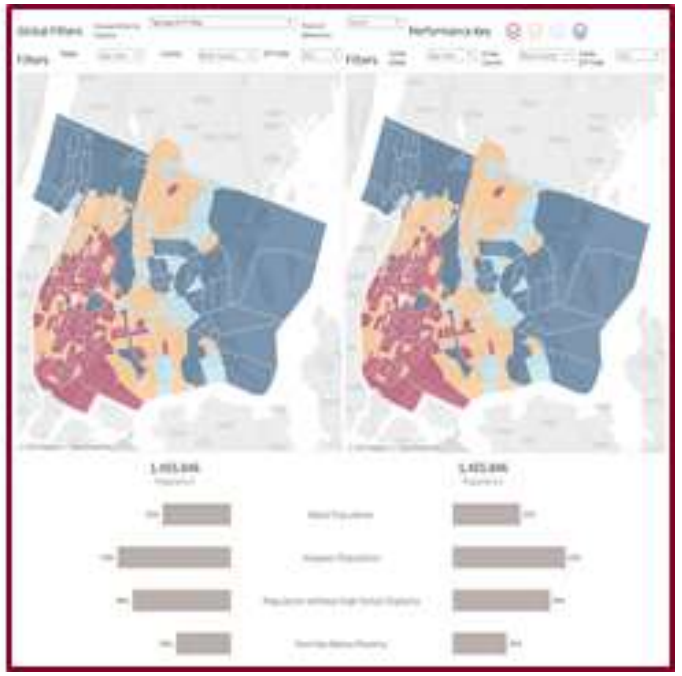
IMPAQ's Social Determinants of Health (SDoH) Dashboard Action Tool offers three unique dashboard views for users to explore SDoH and health outcomes within communities of their choice.



The **Health Outcome Dashboard** allows a user to explore a selected health outcome such as diabetes and learn about how evidence-based SDoH contribute to the health outcomes in a community.



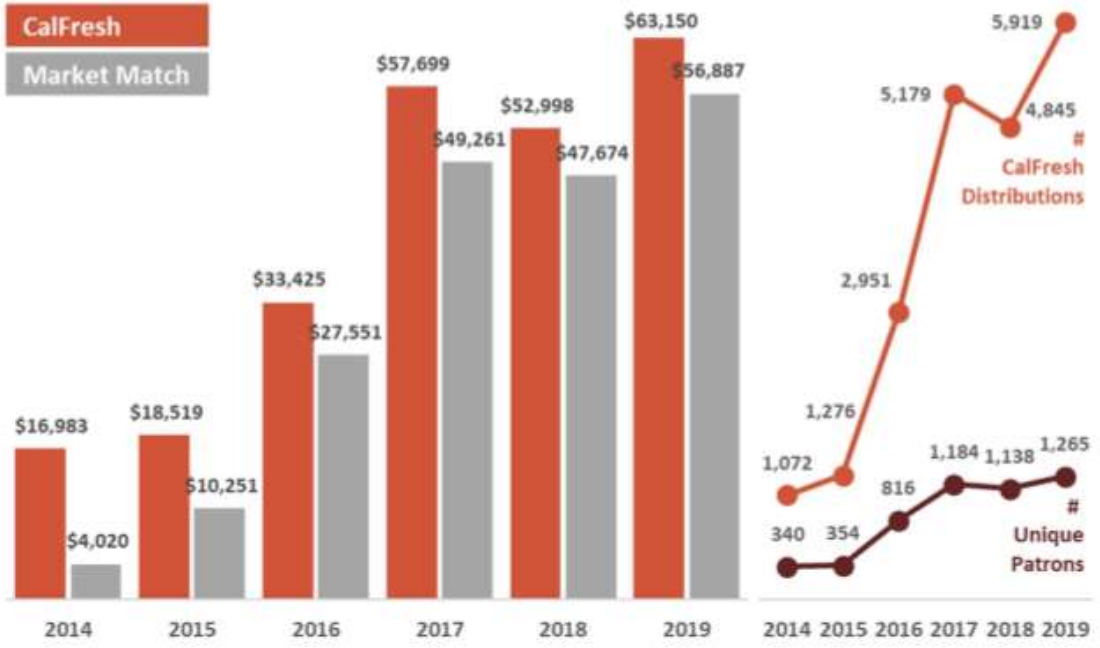
The **SDoH Drilldown Dashboard** allows a user to explore an SDoH and how it affects communities within a county differently.



The **Community Comparison Dashboard** allows a user to explore how two communities compare on SDoH measures such as walkability or teenage birth rate.

NUTRITION

Exhibit 5. CalFresh, Market Match, Distributions, and Unique Patrons for the April–August Period, 2011–2019



Data source: PCFMA Administrative Data

- **Santa Clara County Public Health Department (SCCPHD)** implemented farmers' market campaign to increase purchase of fruits, veggies by CalFresh (CA SNAP program) beneficiaries
- IMPAQ helped SCCPHD w/ formative research to inform promotional campaign, evaluate outcomes
- Findings of evaluation demonstrated improved awareness of CalFresh use at markets, increased electronic benefits use at the markets

HEALTHCARE WORKFORCE PROJECTS

- IMPAQ has experts in workforce, healthcare, stakeholder engagement, and instructional design
- Supporting **American Hospital Association (AHA) Changing Workforce Taskforce** and **Hospital and Healthsystem Association of Pennsylvania (HAP)**
    - Assist hospitals to address gaps in clinical and non-clinical workforce

IMPAQ/Maher team provides facilitation, research, expertise in:

- Reimbursement models and implications for care provision and workforce
- Assessing supply/demand of healthcare workers
- Workforce recruitment and retention models, including workforce diversity
- Licensure and scope of practice
- Educational capacity
- Technology's implications for workforce and future of work
- Leadership development, strategic planning, change management

EXAMPLE USE CASES FOR HDO'S DEALING WITH COVID-19

- Timely research database
- Environmental scan of APCD potential uses
- Briefing materials for policymakers
- Identification of clusters of illness and high-risk people (for priority of people to test for infection)
- Policy analysis for workforce impacts
- Effects of pandemic on SDoH
- End-user testing of new dashboards, websites, written materials or other resources
- Analysis of impacts on Medicaid
- Implications of telehealth on health delivery and reimbursement

LEARN MORE

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