



Bureau of Health Workforce Clinician Tracker

NACNEP Webinar

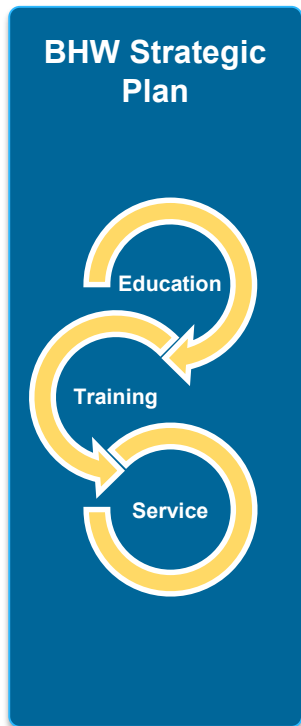
November 5-6, 2019

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Bureau of Health Workforce (BHW)

Vision: Healthy Communities, Healthy People



BHW Data Strategy: Unlocking Potential



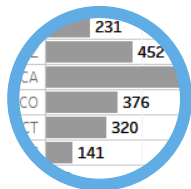
Vision: BHW data and information are managed as a Bureau asset to maximize their value to BHW, its stakeholders, and the public. (Unlocking the full potential of BHW data assets.)

Goal: Develop a framework to increase information sharing across BHW.

Action: Clinician Tracker

- Where were our BHW-supported clinicians?
- Where have they gone?
- Where are they practicing now?
- How long have they stayed in each location?

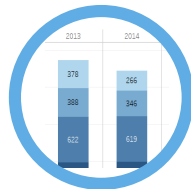
Clinician Tracking Analysis: Vision



1

Executive Dashboards

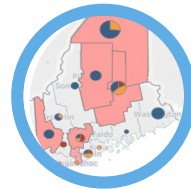
- What is the rate of CHGME-funded clinicians who now work in a HPSA?
- How many NHSC clinicians are still working in the same community compared to CHGME clinicians?
- How many THCGME clinicians are currently in Wisconsin?



2

Master Dashboards

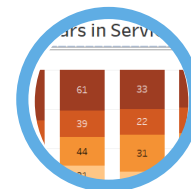
- How many NHSC clinicians are currently working in a HPSA compared to THCGME clinicians?
- What does community distribution look like for dentists who completed service or training in 2017, across all programs?
- Which clinicians are most likely to still be working in a HPSA?



3

Interactive Maps

- For all CHGME clinicians who completed training in Wisconsin, where are they now?
- For all clinicians who came from a 'rural site', where are they now?
- How do CHGME clinicians who completed service in 2017 from Wisconsin differ from THCGME clinicians who completed service in 2016?



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Custom Dashboards

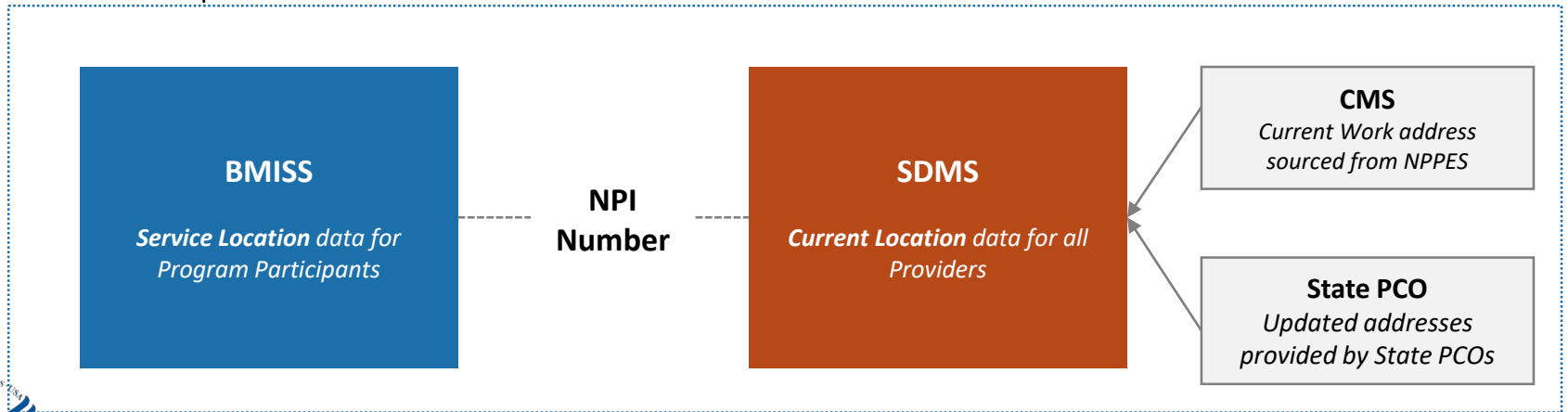
- Which disciplines are most likely to have clinicians still serving in a HPSA, across all programs?
- How many dentists, across all programs are working in the same state?
- Which race/ethnicities across all programs have the highest percentage of clinicians who work in a rural community?

Clinician Tracking | Overview

Data Model

The Clinician Tracking data model leverages National Provider Identifiers (NPIs) to link Provider data from the Center for Medicare Services (CMS) to HRSA's internal database of program participants.

- **BHW Management Information Systems Solution (BMISS)** – Contains address data for where program participants completed service
- **Shortage Designation Management System (SDMS)** – Contains address data for where program participants currently work. SDMS uses Centers for Medicare and Medicaid Services (CMS) data in combination with State PCO data to determine provider service addresses



Demo: External Dashboards Requirements Collection



Internal Dashboards

A series of dashboards focused on **alumni retention** for NHSC and Nurse Corps LRP and SP program alumni.

Currently in Production



External Dashboards

A series of dashboards focused on the **externalization** of the Clinician Tracker data.

Currently collecting requirements for the look and feel of these dashboards.

In Requirements Collection
Deployment TBD 2020



BHW Clinician Tracker

Demo

Questions and Next Steps

