

The Impact of Integrative Behavioral Health in a Rural Primacy Care Nurse Practitioner Residency Program

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Purpose

Improve patient access to mental healthcare services through primary care behavioral health integration in a NP residency program. Behavioral Health Integrations shifts focus from providing extensive therapy in a small population of patients to brief interventions in large numbers of patients.



Background

Problem

- Indiana is heavily rural with 74 of 92 counties classified as rural or rural mixed.
- The Indiana poverty rate is 11.2% and 10% of residents are uninsured.
- Indiana is ranked 37th for the prevalence of mental illness and 26th for access to mental healthcare, with one mental health provider for up to 13,910 patients.
- The current Indiana population to PCP ratio of 1659:1 is greater than the national average of 1463:1

Solution

- NPs are well-positioned to address the physician shortage in primary care
- 78% of NPs practice in primary care, far more than the 33% of physicians practicing in primary care.
- On average, 16,000 NPs graduate from primary care education programs
- By 2025, the number of NPs practicing primary care will increase by 47%
- By allowing all NPs full practice authority...
 - The number of patients living in a county with a PCP shortage would decrease from 44 million to 13 million nationwide.
 - PCP shortages in rural areas would decrease from 23 million to 8 million, a nearly 65% reduction.

In 2019 Riggs Community Health Center developed a nurse practitioner residency program focusing on providing high quality care for both rural and underserved populations

Objectives

- Facilitate mental health screenings in primary care.
- · Improve chronic health conditions through behavioral health integration.
- · Expand patient access to mental healthcare.

Results

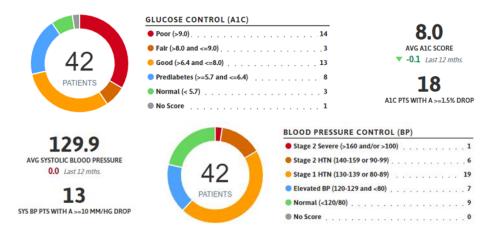
Riggs CHC Integrative Behavioral Health

Behavioral Health Visits Unique Behavioral in Primary Care Health Patients Served

2019 2020 2021

In 2019, when Riggs transitioned into a complete integrated model of care for behavioral health services, there were 3886 behavioral health related clinic visits, with 1205 unique patients served that year. In 2020, Riggs had 4530 behavioral health related clinic visits with 2399 unique patients served. In 2021 there were 4527 behavioral health related patient visits with 2764 unique patients served, resulting in a 199% and 229% increase in the number of unique patients served in the respective years since 2019.

The integrative behavioral health model has made a profound impact in improving chronic health conditions. In 2021, two AGNP residents referred 42 diabetic patients for integrative behavioral health visits. 42.8% of those patients saw a drop in their A1C level of >1.5%. Additionally, 31% of those patients experienced > 10mmHg drop in their systolic blood pressure.



Methods

- Pre Visit Planning
- · Morning Huddle
- Warm hand offs between PCP and BHC
- Conduct contextual interviews
- Complete evidence-based mental health screenings
- Recommend lifestyle modifications using SMART goals
- Offer targeted sessions focusing on brief interventions
- Collaborate with NP Residents and other PCPs to develop shared care plans
- Printed patient plan at discharge

The Team

- NP Residents
- Primary Care Providers
- Behavioral Health Consultants (BHCs)
- · Psych Mental Health NP

Lessons Learned

- PCP satisfaction improved with on site BHCs
- Requires interprofessional collaboration
- PCP identifies candidate for integration
- Requires a generalist model for BHC to meet all patient needs
- Warm hand off improves BH integration visit rate
- Brief interventions with SMART goals improve health outcomes
- Up to date BH screenings improve overall health and BHC utilization
- Scheduling patients for BHC appointments prior to having their medical appointment and consenting for BHC visit was wrong approach
- Co-located services through traditional therapy was less impactful for overall patient population
- A focus on symptom-based complaints limits patients served