

Novel Interventions in Children's Healthcare (NICH): Bending the Curve in Pediatrics

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WHAT (Info & Resources)

HOW
(Behavioral
Interventions)

TAU

WHY
(Social
Ecology)



WHY (Social Ecology)

HOW
(Behavioral
Interventions)

NICH

WHAT
(Info & Resources)



Family-Based Skills Training

Problem Solving
Communication
Skills Training
Cognitive
Restructuring
Family Systems
Changes

Care Integration and Coordination

Transportation to Clinic

Medical Supplies
Liaison with Care
Team

Attend Clinic Visits

Youth with Complex and Chronic Health Condition and Family

Resource and Case Management

School Visits
Work with Child
Protective
Services

Assist with Obtaining Drug/Alcohol Treatment

Assist with Securing Stable Housing



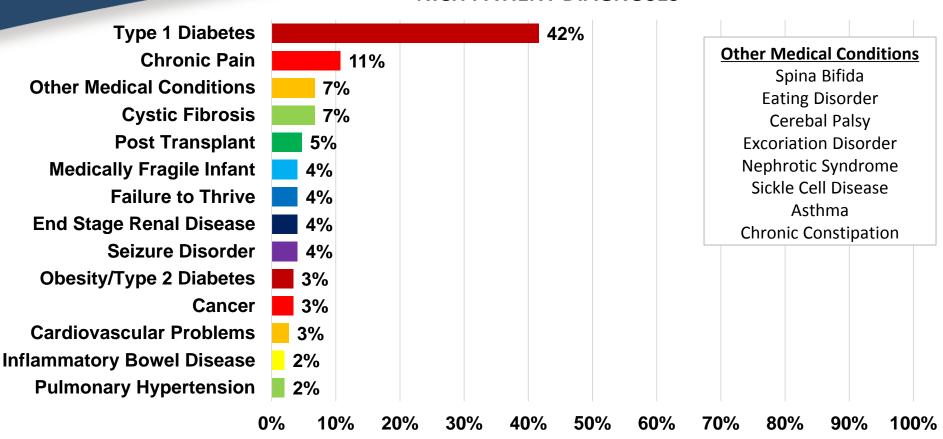
Delivery of Care

- 24/7
- Inpatient
- Clinic
- Tele-health
 - Videoconferencing (1-2x/wk)
 - Text (daily)
 - Phone (daily)
- Home visits (weekly)
- Care coordination (daily)
- School visits (as necessary)



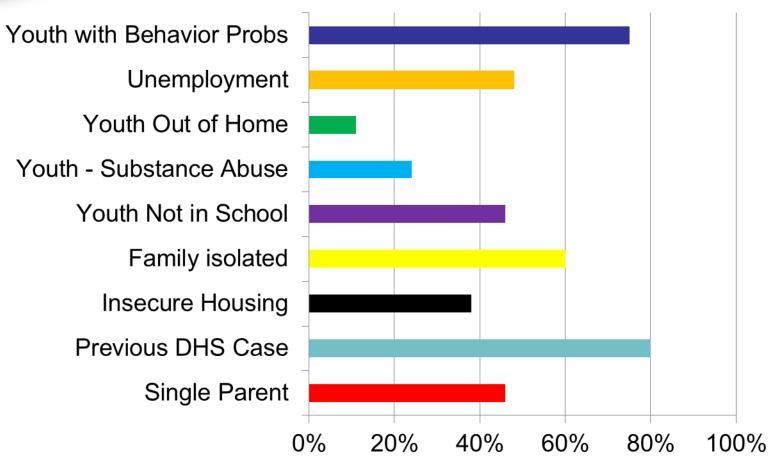
Medical Complexity

NICH PATIENT DIAGNOSES





Social Vulnerability



Types of NICH Patients

Expected Cost Reduction Patients

Intervention – High utilization with intent to improve health while reducing costs.

Expected Cost Increase Patients

Goal is to improve adherence to help patient qualify for a transplant. Likely that costs will increase.

Stabilization Patients

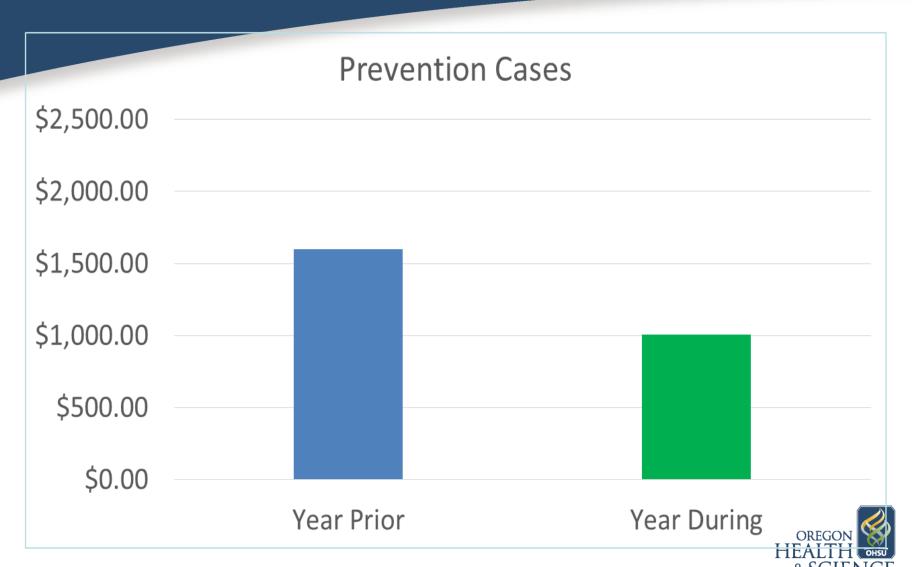
High level of psychosocial risk, lack of follow-through with care, evidence of poor adherence; All of which would place the patient at risk of future health problems and high utilization.

Prevention Patients

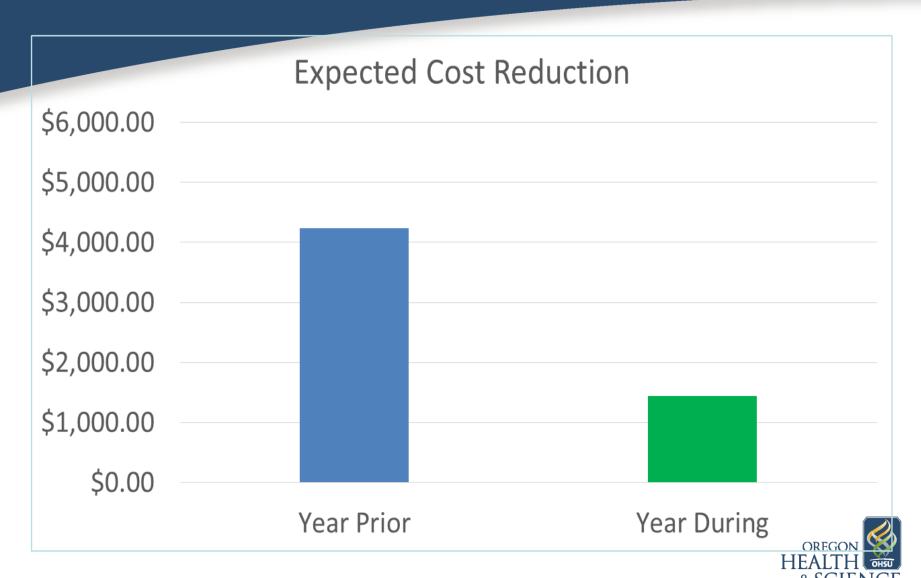
Recent diagnosis coupled with social vulnerability.



PMPM - Prevention



PMPM - Cost Reduction



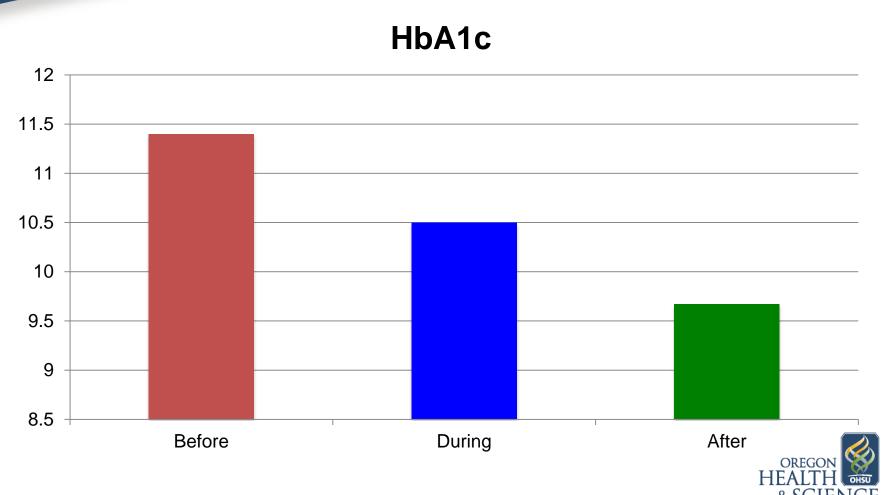
PMPM - Cost Increase



PMPM - Stabilization

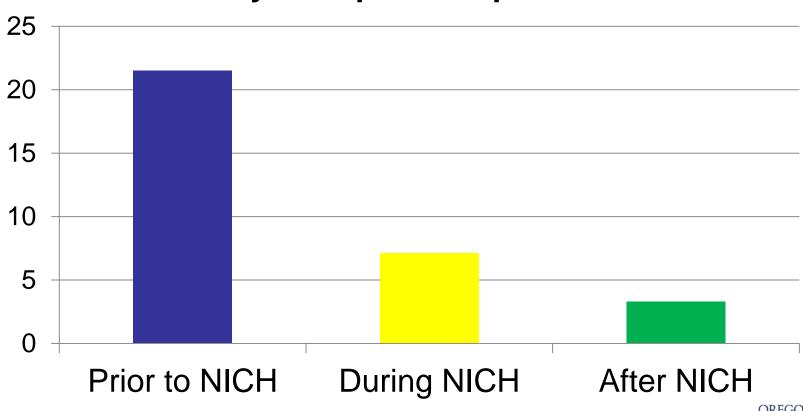


Improving Health (HbA1c)



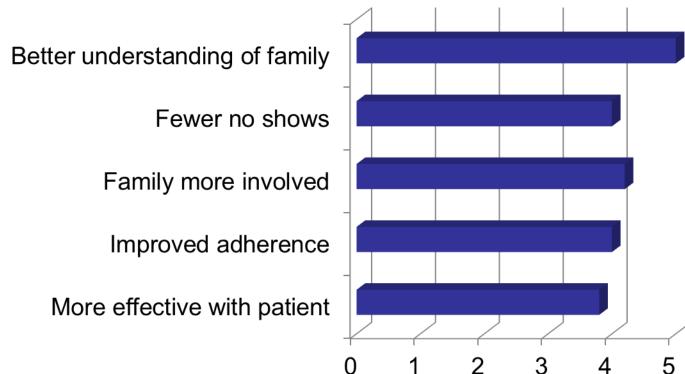
Reducing Hospitalizations

Days Hospitalized per Year



Improving Care

Provider Reports



Provider Reports



NICH vs *Oregon CCO Outcomes

- 21% decrease in ED admissions 1 year after NICH
 - *17% for all CCOs and all patients across Oregon
- 50% decrease in hospitalizations 1 year after NICH
 - *27% for adults with CHF
 - *32% for adults with COPD
 - *18% for adults with asthma
- 73% decrease in hospital day stays 1 year after NICH
- 50% decrease in total costs of care 1 year after NICH



It Takes a Village

Interventionists

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