Utah Asthma Home Visit Program

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Utah Asthma Program

Formed in 2001 with funding from the CDC National Asthma Control Program.
Utah Asthma Home Visiting Program (UAHVP)
2 counties funded in 2015 **

**Utah County funded since 2009 with an asthma mini grant

**Had Certified Asthma Educator
2. Medicaid Pilot Project

3. Regional approach
   Combined both frontier areas
Salt Lake County


Utah County

https://kslnewsradio.com/1938069/utah-one-of-the-fastest-growing-states/
Pilot counties.....

https://www.uen.org/counties/duchesne.shtml
https://www.utah.com/destinations/regions/wasatch-back/duchesne-county/
Visit Format

Visit 1 - Asthma Education
- 2-3 weeks

Visit 2 - Environmental Assessment
- 4-6 weeks

Visit 3 - Discuss Progress & Goals
- 6 months

6-Month Follow-Up Call
- 6 months

12-Month Follow-Up Call
Target Population

ED Visit or Hospitalization

Course of Oral Steroids

Asthma Control Tests
Visit 1
Learn about asthma symptoms, triggers, medications, and inhaler technique.

Visit 2
Walk through your home to identify asthma triggers, then set goals to reduce these triggers.

Visit 3
Discuss progress on controlling your asthma and reducing triggers.
Utah County

Regional Area
Environmental Services

- Asthma trigger education & In-home assessment
- Referral to home remediation services as needed

Community-Based Organizations

Local Housing Authorities

CDBG - Community Development Block Grants
No doctor? → Make Connections → Community Health Center

No insurance? → Make Connections → Take Care Utah
Social Determinants of Health Screening

- Food
- Utilities
- Help affording prescriptions
- Housing
- Transportation
- Work Resources
- Education Resources
- Substance Abuse Services
- Mental Health Services
- Domestic Violence Support
Referral to Community Resources

way to quit.org

SAFE KIDS WORLDWIDE

UTAH FOOD BANK

WIC UTAH | WOMEN, INFANTS & CHILDREN
Current Status

- 535 enrolled
- 456 have completed the program
- 290 have completed 12-month follow-up
Program Outcomes

Reduces Unwanted and Costly Events*
12 Months After Completing the Program

- **80% decline** in average missed work days.
- **51% decline** in average missed school days.
- **41% reduction** in average unplanned doctor visits.
- **51% reduction** in episodes requiring an oral systemic corticosteroid.
- **75% reduction** in asthma-related ED visits.
- **87% reduction** in asthma-related hospitalizations.

*Self-report data collected at visit 1 and 12 months after visit 3*
Partnerships
Asthma Task Force

Mission - Utah communities working together to improve the quality of life for people with asthma.
Local Health Departments (LHDs)

Words used by clients to describe home visitors:

- Helpful
- Kind
- Knowledgeable
- Genuine
- Caring
100% of clients agreed or strongly agreed:

- The home visiting program exceeded my expectations
- I have a good relationship with the home visitor
- The program will improve my quality of life
- I learned a lot from the home visitor
• Refers high-risk patients to asthma home visiting services.
  • 350+ referrals received.

• Conducted analyses to compare healthcare utilization among referrals who declined vs. completed the UAHVP.
  • 67% decrease in the mean number of ED visits among those that completed the program.
  • Data administrators shared findings with colleagues at SelectHealth, which led to conversations on reimbursement.
Hospital data administration set up a data query to identify patients that qualify for referral to the UAHVP.

Referral list sent to case management department to call and get consent to release information to LHDs.

LHDs call referrals and provide home visiting services.

LHDs fill out a spreadsheet on patient status at the end of each month and e-mail it to hospital staff.
Brings together partners, resources, and funding to implement housing strategies to create healthy, safe, and energy efficient homes.

**Visit 1**

- Health educator screens for Green & Healthy Homes eligibility criteria

**Visit 2**

- Green & Healthy Homes staff complete an environmental home assessment
- Clients receive a mattress and pillow cover, air filtration unit, cleaning supplies, and HEPA vacuum
- Assistance is provided to apply for remediation services
• Promote guidelines-based asthma care
• Quality improvement learning collaboratives for primary care and pediatric clinics
• All Payer Claims Database is used to identify geographic areas with high asthma burden and emergency department rates
  • Build referral channels and target quality improvement efforts with clinics in those areas.
Sustainable Financing
Goal: Support the long-term sustainability of asthma home visiting services in Utah.
Sustainable Financing Strategies

- Technical Assistance
  - CDC 6|18 Initiative
  - CDC Economic Evaluation Training
  - National Centers for Healthy Housing
  - Data Stewards
### The Economic Case: Cost Savings and Return on Investment, 2019

<table>
<thead>
<tr>
<th>Cost Components</th>
<th>Yearly funding provided to Local Health Departments to administer the program</th>
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<tbody>
<tr>
<td><strong>Cost</strong></td>
<td>$120,000</td>
</tr>
<tr>
<td><strong>% Decrease in Total ED Visits</strong></td>
<td>70%</td>
</tr>
<tr>
<td><strong>% Decrease in Total Hospitalizations</strong></td>
<td>82%</td>
</tr>
<tr>
<td><strong>Cost Savings</strong></td>
<td>$442,353.33</td>
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<tr>
<td><strong>ROI</strong></td>
<td><strong>$2.69 saved</strong></td>
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Medicaid - Utah’s Process

• Presented to Medicaid Medical Care Advisory Committee
  • 2017 - ranked 18
  • 2018 - ranked 9

• Included the UAHVP in a State Block Grant funding request (not approved)

• Requested funding through Medicaid administrative funds
Medicaid

Pros & Cons of Different Avenues for Medicaid Funding

- Direct provider reimbursement
  - State plan amendment
  - Waiver

- Administrative cost reimbursement
Medicaid

- Eligibility limited to Medicaid fee-for-service areas in Utah, serving rural & frontier counties
- 2019 - Pilot contracts with two LHDs
- 2021 - Regional approach with one contract serving three LHDs
- Hoping to expand to 6 additional counties in 2022 or 2023
• Met with SelectHealth Medicaid management to present UAHVP outcomes among SelectHealth members

• SelectHealth supported an analysis on cost savings
  • Contracted with local health departments
  • ROI analysis to be performed
  • Began in January 2022
University of Utah Health Plans (UUHP)

- UUHP helped develop asthma home visiting curriculum
- UUHP case managers attend quarterly Asthma Home Visiting Network meetings to coordinate efforts
• UUHP works with Green and Healthy Homes Salt Lake to provide an in-home assessment and trigger reduction supply kit to their members with asthma

• Those that qualify for additional remediation services through the county are assisted in applying for those services
UAP presented during a 6|18 meeting on UAHVP outcomes

Following this meeting, UAP and HCU discussed partnership to opportunities

A draft revenue agreement was presented which outlined the UAHVP referral system, payment model, services, and responsibilities
Questions?

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