**Economic Framework: School-Based Asthma Self-Management Interventions**

**Intervention Effectiveness**

- School-based asthma self-management interventions
  - Students with asthma (aged 5 to 18 years)
  - Improved asthma knowledge, behaviors, and skills
    - Asthma knowledge
    - Self-efficacy
    - Adherence to medical regime
    - Avoidance of risk behaviors/exposure

**Economic Outcomes**

- Improved Asthma Control
  - Fewer missed school days
  - Reduced Morbidity
  - Reduced Mortality

**Other Economic Outcomes**

- Averted revenue loss to school district

**Intervention Cost**

- Asthma self-management support at school

**Components**

- Labor*
- Asthma medical supplies*
- Education materials
- Parent time

**Potential Modifiers**

- Family involvement
- Individual or group delivery
- Age/Grade
- SES, Race/ethnicity

**Economic Benefit**

- Healthcare costs
  - Emergency department*
  - Inpatient stays*
  - Outpatient, medications*
- Productivity and income*
  - Improved student academics
  - Parent time

**Cost-effectiveness**

- Cost per QALY saved or DALY averted

*Cost drivers contributing substantially to magnitude of estimate

SES, socioeconomic status; QALY, Quality Adjusted Life Year; DALY, Disability Adjusted Life Year

## Icons in Community Guide Analytic Frameworks

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<tr>
<th>Icon</th>
<th>Description</th>
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<td>Other intermediate outcome/variable (that are not recommendation outcomes)</td>
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<td><img src="image" alt="Potential effect modifiers icon" /></td>
<td>Potential effect modifiers (affecting causal relationships)</td>
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<td>Unidirectional block arrows are applied between intervention and population icons</td>
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<td><img src="image" alt="Unidirectional arrow" /></td>
<td>Unidirectional arrows for causal relationships</td>
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