

Case Study Exercise from CDC/EPA Program Evaluation Webinar 3: “Describing Your Program and Choosing An Evaluation Focus”

Intervention to Reduce Adverse Effects by Improving Indoor Air Quality at Home

State XX’s health department desires to reduce the number of adverse asthma events—hospitalizations, ER visits, missed school days due to uncontrolled asthma symptoms— in urban children who live in low-income apartment complexes...

- By reducing the children’s exposure to asthma triggers in their homes.
- They’ve designed a multi-component intervention to:
 - improve and/or enforce relevant housing codes
 - change behaviors of tenants and caretakers of the complex.

Intervention Activities

- Customized educational sessions targeted to apartment complex owners, maintenance services, code enforcement officers, and tenants to increase awareness of asthma triggers, relationship between indoor air quality and asthma, and steps to reduce triggers.
- Smoking cessation programs for tenants to decrease exposure to environmental tobacco smoke both inside the building and immediately outside where smokers may gather.
- Advocacy with city officials on potential impact of improved housing codes and their enforcement? on asthma prevalence and severity.

Intended Intervention Outcomes

- A decrease in adverse asthma events as a result of...
- Decreasing exposure to asthma triggers in the home...
- By changing behaviors as a result of...
- Improved awareness & knowledge of the harms of triggers & availability of appropriate policies

Briefly review the case study scenario and ask yourself:

- ✓ What are the activities?
- ✓ What are the outputs?
- ✓ What are the outcomes?
- ✓ What would the roadmap look like?

(Continued on next page.)



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Activities and Outcomes

Activities	Outcomes	Impacts
<ul style="list-style-type: none"> • Education & training on IAQ for: <ul style="list-style-type: none"> o Apt owners o Code Enforcement o Maintenance providers o Tenants • Smoking cessation program for tenants • Collaborative meetings with city officials to enhance housing code 	<ul style="list-style-type: none"> • Improved knowledge of harms of smoking & ETS exposure • Increased awareness of indoor asthma triggers • Improved understanding of methods to reduce exposure to triggers • Housing codes emphasizing improved IAQ available • Tenants conduct activities to improve IAQ • Improved enforcement of housing codes • Better maintenance of apartment complex • Reduced exposure to asthma triggers 	<p>Fewer adverse asthma events</p>

