Pollution Prevention Partnership



Texas A&M University-Corpus Christi



Air Quality and Pediatric Respiratory Health Research



An Air Quality/Public Health Study

- How to Set One Up
- Partners
- Criteria
- Methodology
- Benefits

Approach the Approachable

- Asthma Coalitions
- Pulmonary Doctors
- Allergists
- Teaching Hospitals
- University Nursing, Sociology and Business Programs
- Clinics
- Air Quality Regulator Databases

Unique Study

Attainment area

 High incidence of asthma -12% rate of asthma in predominantly Hispanic community

Driscoll Children's Hospital



Driscoll Children's Hospital

- Serves all of South Texas
- 14 counties
- 516,188 children under the age of 18.
- 40% of the children live below the national poverty level
- 31.3% do not have health insurance

Texas A&M University-College of Nursing

 Undergraduate and Graduate nursing programs

 40 undergraduate and graduate students will be trained on data collection, asthma education, and working with underserved children

Define Study

- What do you really want to know
- What do you want to do with the information
- What do you want to report and to whom
- Work epi and stat needs backwards
- Build criteria

Study

- Is there a relationship between attainment ozone and PM levels and pediatric health
- Communicate the study results to those that can make a difference
- Child care and health care providers
- "Emitters"

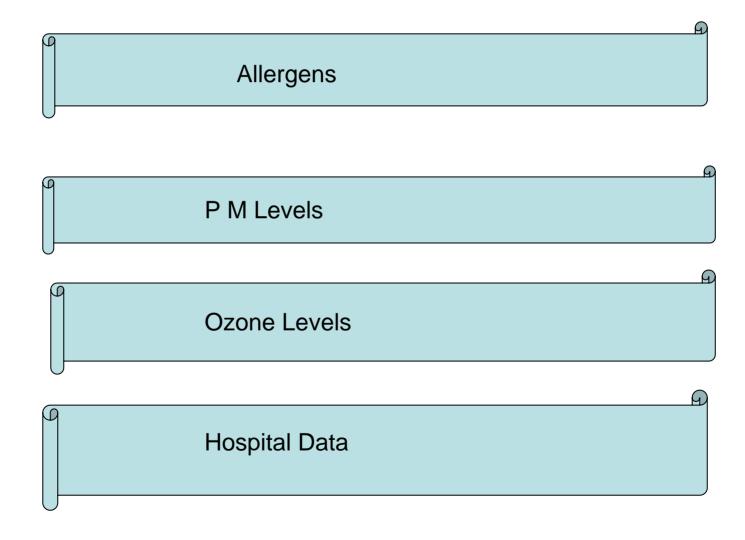
Criteria

- Recruit and involve all partners
- Literature review
- ICD 9 code 460-519
- Date and time, code, age, gender, ethnicity, zip code, x times
- Minimum of 3 years period

Methodology

- Electronic sorting and abstracting
- Random number assignment
- Exempt status no human subjects, no informed consent, group data compilation
- Retrospective Correlational Design SPSS Stat. Pkg. 11.5

Information Presentation



Benefits of Study

Driscoll Benefits

Nursing Benefits

Asthma Coalition Benefits

Community Benefits

Study Stats and Status

Stats

- \$30,000
- 1 year

Status

- Data analysis in process
- Additional epidemiological work future funding
- Reporting out

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