The Burden of Asthma

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Disclosures

- No Conflict of Interest to disclose
- Funding provided by NMDOH Asthma Control Program (#030057, PI Ramos)
Background: NHLBI, EPR Guidelines

Developed by expert panel, lead by the National Asthma Education & Prevention Program, the National Heart Lung & Blood Institute

- **EPR-1, 1990**: Expert opinion emphasis on diagnosis, classification, & management; **EPR-2, 1997**: Severity grading determined by symptoms

- **EPR-3, 2007**: Evidence-based disease grading determined by control (symptoms & physical activity, reliever meds, airflow limitation, quality of life, exacerbations)

- **Essential Components:**
  - Assessment, Monitoring
  - Patient Education, Self-monitoring
  - Control of Factors (contributing to severity)
  - Treatment
**Definition**

Asthma = Chronic Airway Disorder

| Characteristics                  | • Variations in symptoms & intensity  
|                                  | • Airway obstruction & airflow limitations  
|                                  | • Inflammation  
|                                  | • Hyper-responsiveness  
| Triggers                        | • Exercise  
|                                  | • Allergen or irritant exposure  
|                                  | • Weather changes  
|                                  | • Respiratory illness  
| Symptoms                        | • Chest tightness  
|                                  | • Wheeze  
|                                  | • Cough  
|                                  | • SOB  

For Sharing
Etiology

- **Genetic:** IgE antibodies (overproduction - mast cell mediators - bronchospasm), hyper-responsiveness (exaggerated bronchoconstriction), inflammatory mediators

- **Environmental exposures**

- **Obesity:** Changes in airway function, effects on lung mechanics.

- **Gender:** Children $M > F$, Adult $F > M$
Mechanisms

- Inflammation
- Structural changes
- Airway narrowing

Data Source: Behavioral Risk Factor Surveillance System Survey Data, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, New Mexico Department of Health, Injury and Behavioral Epidemiology Bureau

NM data missing for 2006

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The Asthma Registry

Monthly SBHC Students with Asthma

ClinicalPracticeExcellence@unmmg.org
Fri 12/1/2017 6:30 AM
Inbox
To:
Monique Vallabhan;
Report Phishing

The *SBHC Students with Asthma* report has been updated and the link to the report is below:

[SBHC Students with Asthma](mailto:SBHC Students with Asthma)

If you have any questions about the report, please contact us via email at: ClinicalPracticeExcellence@unmmg.org.

Thank you and have a great day,
The Clinical Practice Excellence Analytics and Reporting Team

Please be aware that if the data provided is ePHI that you are taking responsibility for the data. It needs to be stored and transmitted in a secure manner and cannot be passed to other entities.
The Asthma Registry

- Appointment information
  - Location/MRN/FIN/Appointment Date/Appointment Type
  - Problem(s)
  - Primary Care Provider (PCP)
  - Well Child Check (WCC) Diagnosis for Visit
- Asthma Medications
- Asthma Control Test
  - Health Maintenance
  - actual Asthma Control Test
- Asthma Action Plan
  - Document type
- Influenza Vaccine
  - Health Maintenance
  - Immunization Schedule
- Emergency Department (ED) or Hospital Admit with Diagnosis of Asthma
Next Steps

- Brief Didactic Refresher Sessions
  - Asthma Diagnosis
  - Asthma Interventions
  - Asthma Control & Severity
  - Asthma Triggers & Exacerbations
  - Using the Asthma Action Plan - How to complete

- Documentation in Powerchart
- ICD10 coding
- Asthma Registry
- Electronic Fillable, Modifiable Asthma Action Plan