

Description

Simple spirometry helps to diagnose and assess control of the asthma disease process. The procedure is completed with a non-invasive portable spirometer. Each of our care managers are trained to perform the test in accordance with The American Thoracic Society (ATS) guidelines ensuring accurate and reliable results. Outcomes are interpreted and documented by a board-certified pediatric pulmonologist.

Spirometry testing is an essential method of ensuring quality asthma care. Testing helps to verify a diagnosis and confirm adequacy of a long-term asthma management plan. The continuous assessment and monitoring of an asthma patient's lung function is imperative in maintaining a controlled state of the disease process and ensuring positive outcomes.

Results

Spirometry results are dependent upon age, sex, and height. Data collected is instantly calculated based on comparable healthy nonsmoking peers of equivalent variables. Acceptability and repeatability of results are ensured based on ATS standards.

Reports

Spirometry reports identify various values that are used to determine lung function. Basic spirometry results evaluated and used to analyze an asthmatic patient are the forced vital capacity (FVC), forced expiratory volume in the first second (FEV1), and the FEV1/FVC ratio. In addition to these basic values, simple spirometry also produces a flow-volume loop that is helpful in identifying and appreciating obstructed and restricted airflow patterns. Spirometry tests are performed pre and post bronchodilator administration to evaluate airway response to short acting bronchodilators.