Enrolled in FDNY-MMTP
12,781/13,934 (92%)

1,720 had SPE

Inclusion Criteria for Baseline Cohort
i. Pre 9/11 Exam date that had FEV1%Pred ≥ 75%
ii. Post 9/11 FDNY PFT exam date ≤ 200 days from 9/11/01
iii. Pulmonary function study at NYU
iv. Arrived at the WTC site before 9/13/01
v. Never Smoking Male FDNY rescue workers
vi. Groups with accurate NHANES PFT normative data

Baseline Cohort
801 (47%)

Resistant Cases
FEV1 ≥ 107%
N=100 (12.5%)

Cohort Controls
N=171 (21%)

Case Cohort Control Study
Inclusion Criteria
i. Serum available
ii. Model Parameters Available

Resistant Cases
N=77

Cohort Controls
N=111