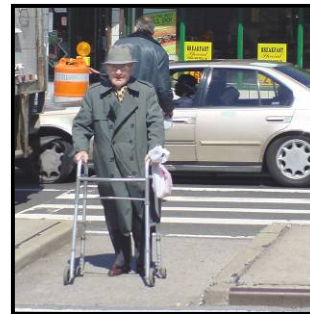
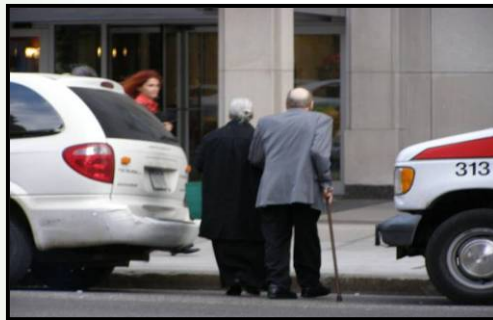


# Safe Streets for Seniors

## Upper West Side

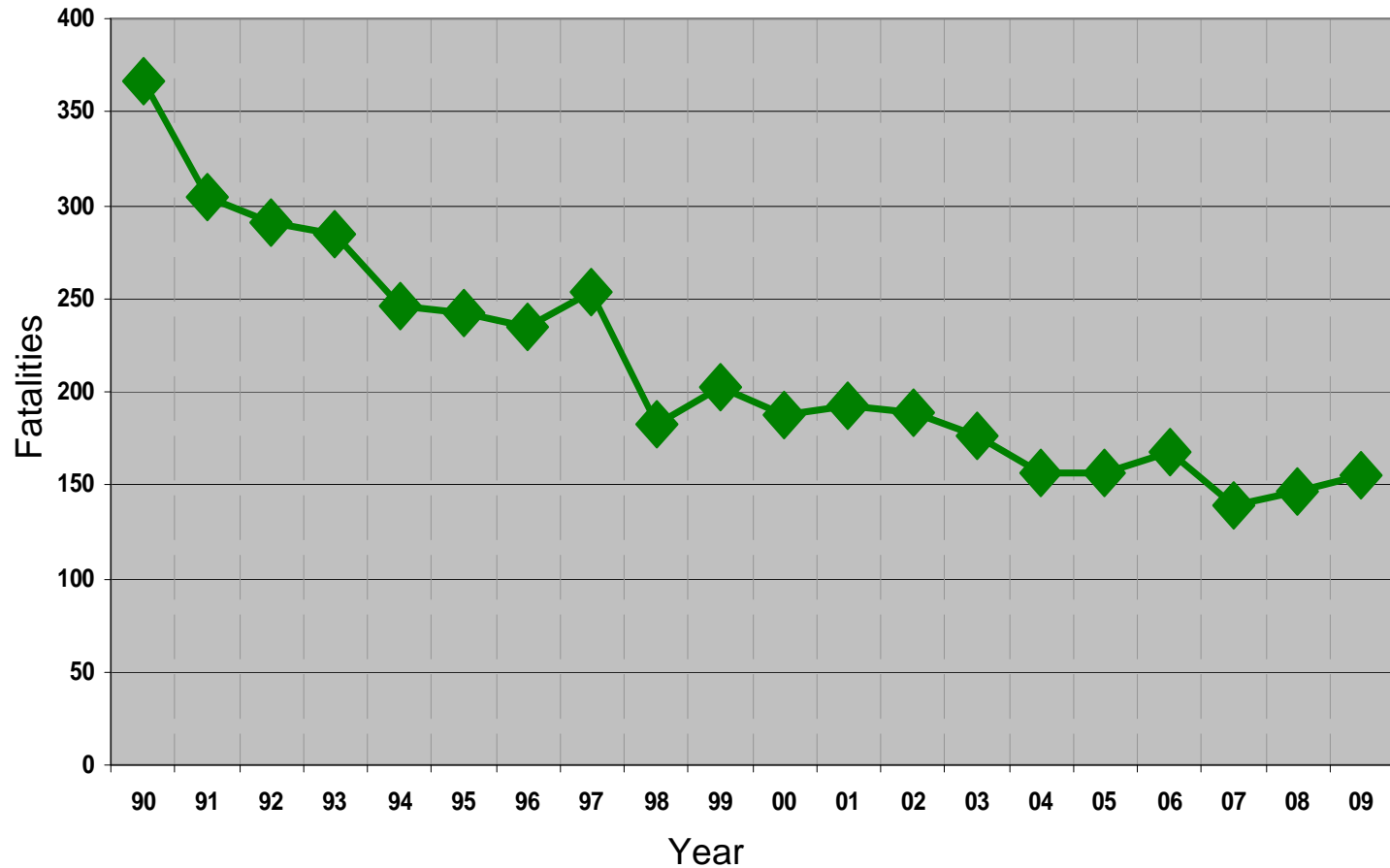
April 13, 2010  
Community Board 7



# Pedestrian Fatality History

■ Since 1990 pedestrian fatalities in NYC have decreased by 58% from 366 to 155

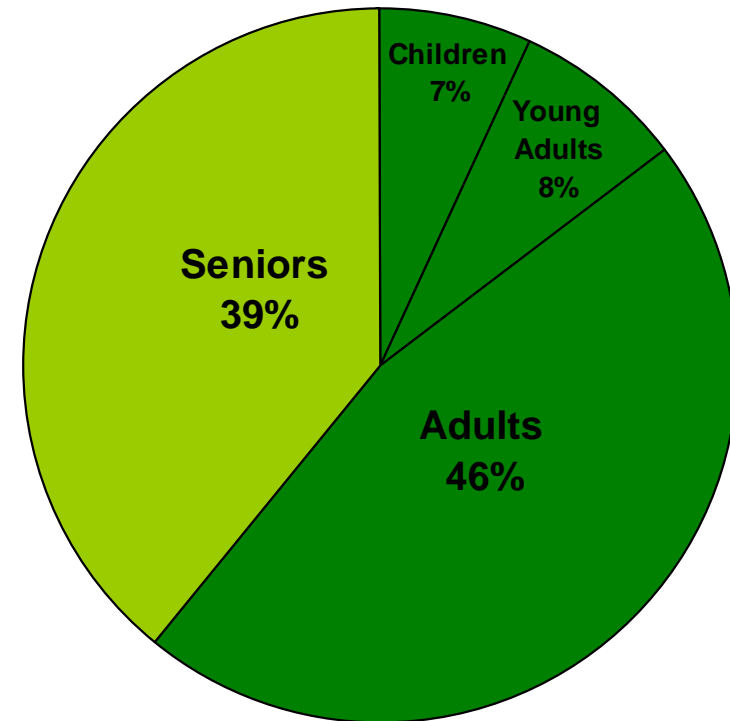
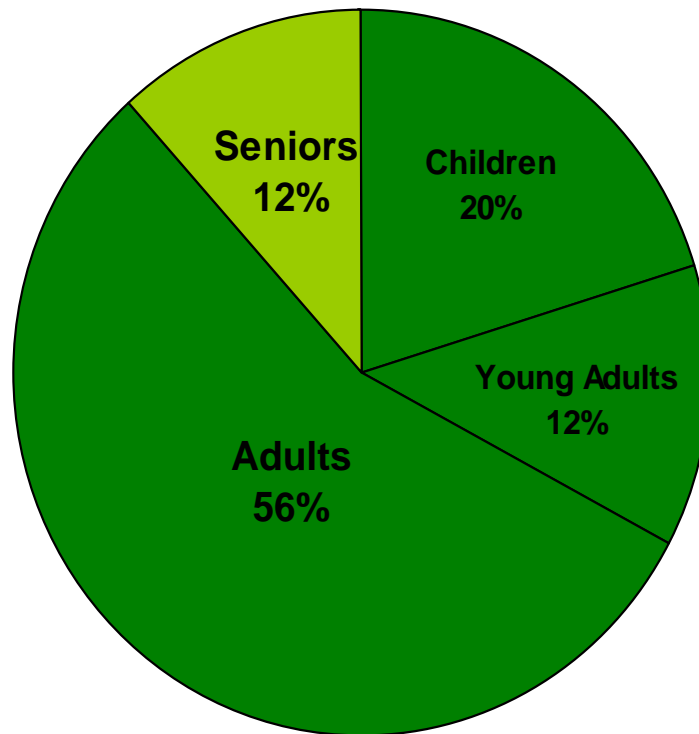
■ Prior to 1950, pedestrians accounted for  $\frac{3}{4}$  of traffic fatalities. Now the percentage has decreased to  $\frac{1}{2}$ .



# Senior Pedestrians

- 12% of the population in New York City are seniors

- 39% of pedestrian fatalities are seniors



Children (0-14)

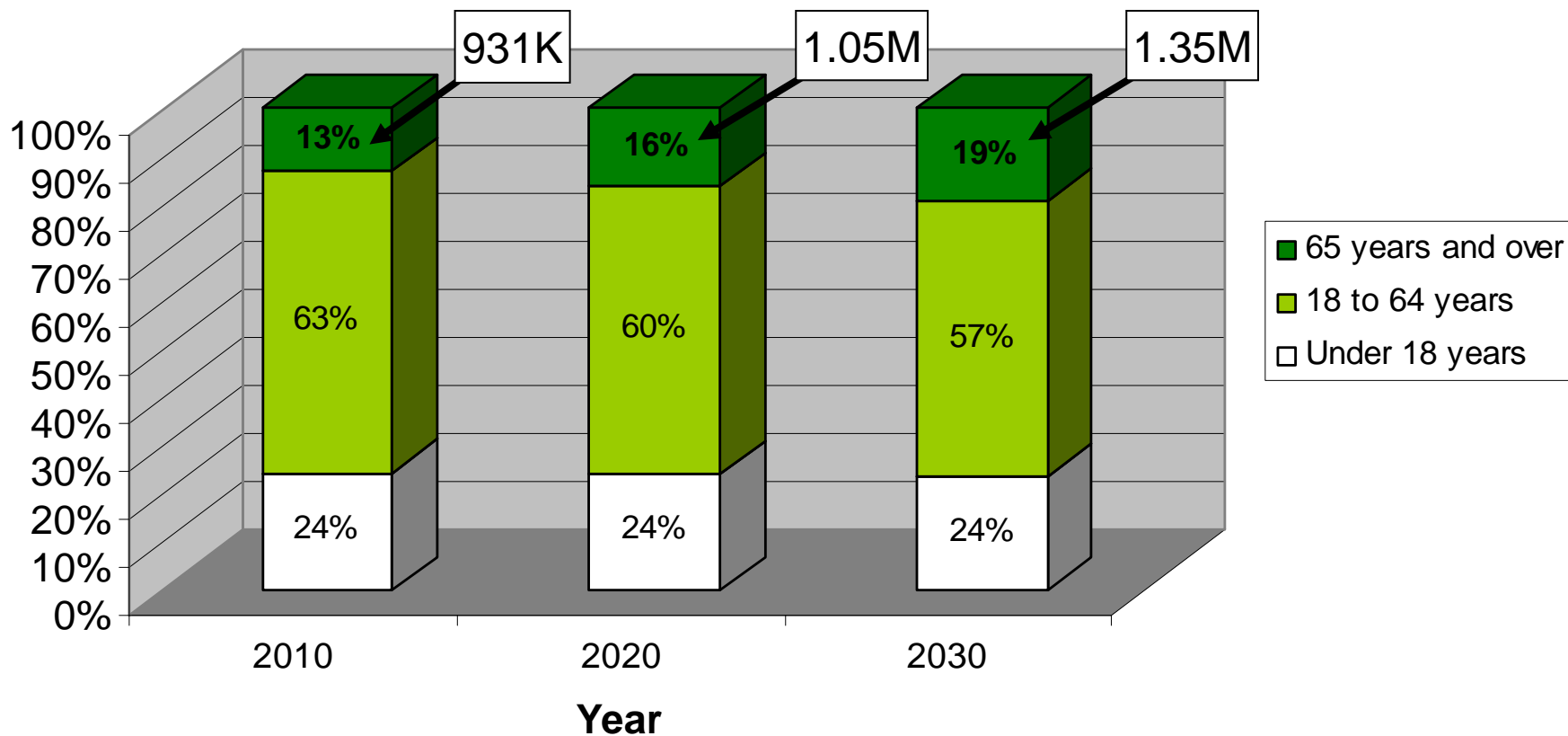
Young Adults (15-24)

Seniors (65+)

Adults (25-65)

# Senior Citizen Population Trend

## Projected United States Population by Age





# NYCDOT Response

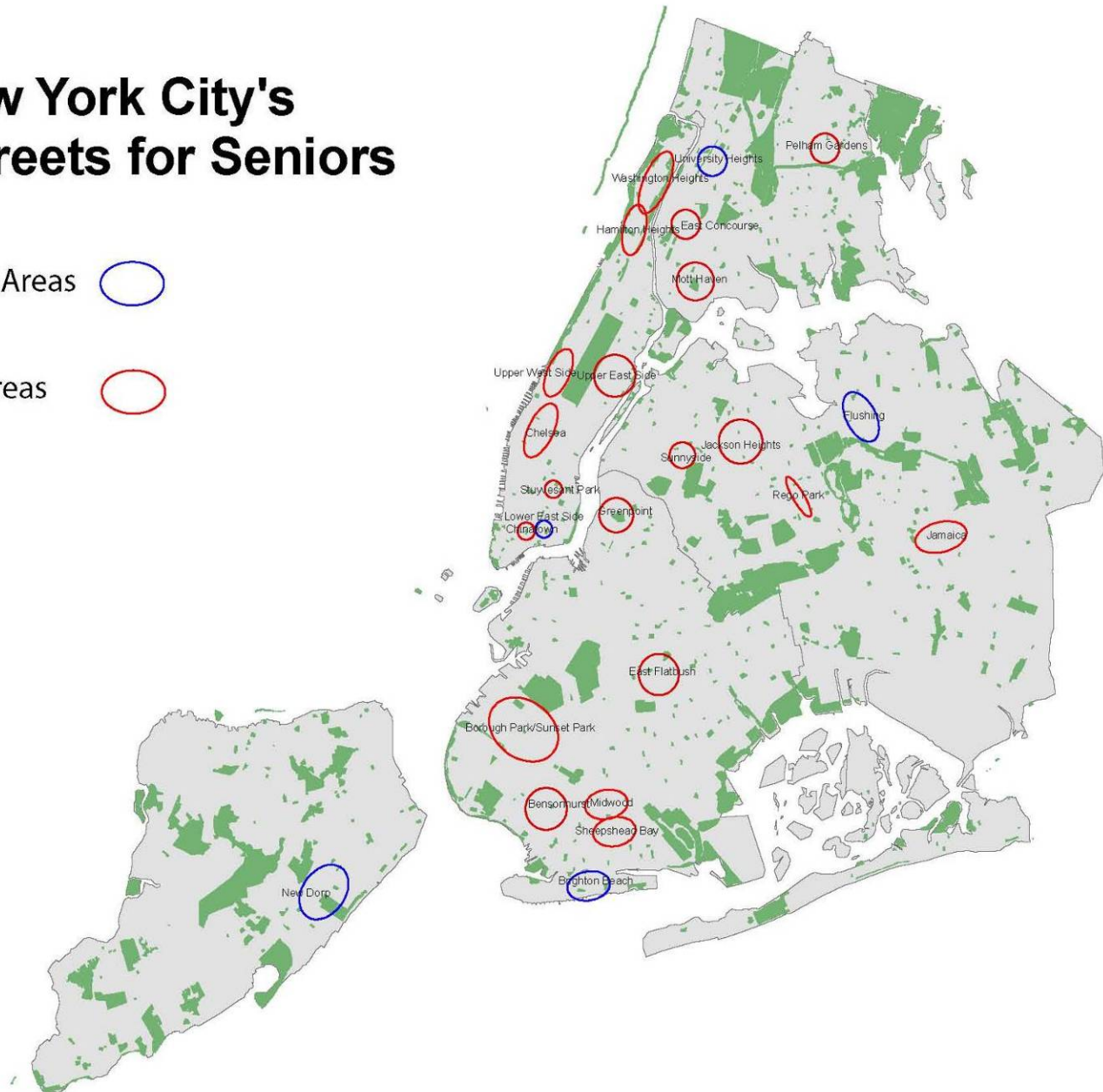
- Developed DOT's senior pedestrian safety program
- Designated "Senior Pedestrian Focus Areas" based on statistical analysis and mapping
- Initiated pilot projects in each borough
- Created aggressive timeline for remaining focus areas

# New York City's Safe Streets for Seniors

2008 Pilot Areas



Phase 2 Areas





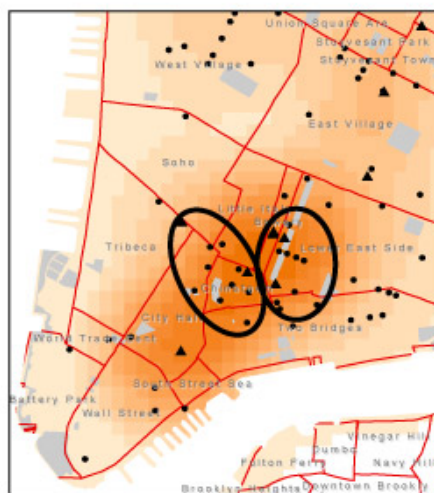
# Senior Pedestrian Crashes: Kernel Density Analysis Manhattan 2001-2006

## Severe Injuries

- 1
- 2
- 3
- 4
- ▲ Fatalities

Neighborhood

Kernel density: fatal and severe crashes per sq. mi.



This Kernel Density map displays the density of crashes per square mile within a 1000' search radius of each point. Darker areas experienced more crashes within this radius



2 Miles

Manhattan



## Upper West Side, Manhattan Senior Pedestrian Crashes, 2001-2006

- Study Area Boundaries
- Manhattan Fatalities
- Manhattan Severe Injuries

- 1
- 2
- 3
- 4



# Project Process

- Area-wide safety audits
- Senior surveys
- Data collection and analysis
- Proposed improvement measures
- Community feedback
- Final recommendations
- Implementation
- Education outreach





# Senior Pedestrian Issues

- Not enough time to cross the street
- Broken or missing pedestrian ramps
- Faded and hard-to-see markings
- Turning vehicles failing to yield
- Poor drainage or ponding in crosswalks



# Summary of Improvements

- Time signals for slower walking speed
  - More crossing time at 41 of 89 signals in area
- Install high visibility crosswalks and advanced stop bars
  - 18 Locations
- Install Leading Pedestrian Intervals (LPIs)
  - Under study at 15 locations
- Refurbish markings
- Repair broken curbs and pedestrian ramps



# Site Specific Improvements: In-House

## ■ Install single neckdowns at 6 locations

- NW Corner: W 72<sup>nd</sup> Street & Central Park West
- SW Corner: W 66<sup>th</sup> Street & Amsterdam
- NW Corner: W 79<sup>th</sup> Street & Amsterdam
- SE Corner: W 81<sup>st</sup> Street & Columbus
- NW Corner: W 71<sup>st</sup> Street & Broadway
- NW Corner: W 79<sup>th</sup> Street & Broadway

## ■ Install Pedestrian Islands at 2 locations

- S Crosswalk: West End Avenue & W 61<sup>st</sup> Street
- N Crosswalk: West End Avenue & W 66<sup>th</sup> Street

Pedestrian Refuge Island



Neckdowns



# Site Specific Improvements: Capital

## ■ Curb extensions proposed at 13 locations

- SW Corner: W 62<sup>nd</sup> Street & Central Park West
- SE Corner: W 65<sup>th</sup> Street & Central Park West
- SE Corner: W 72<sup>nd</sup> Street & Central Park West
- E leg midblock: W 79<sup>th</sup> Street & Central Park West
- W leg midblock: W 79<sup>th</sup> Street & Central Park West
- SE Corner: W 81<sup>st</sup> Street & Central Park West
- NW Corner: W 81<sup>st</sup> Street & Central Park West
- NE Corner: W 79<sup>th</sup> Street & Amsterdam
- SE Corner: W 79<sup>th</sup> Street & Amsterdam
- SE Corner: W 65<sup>th</sup> Street & Broadway
- NE Corner: W 65<sup>th</sup> Street & Broadway
- NW Corner: W 71<sup>st</sup> Street & Broadway
- SE Corner: W 79<sup>th</sup> Street & Broadway



# Timeline

- Early Action Items

- Signal timing (June 2009)

- In-House Concrete work

- May-July 2010

- Capital Concrete Work

- 2011-2012





# Comments and Questions

Contact: Hillary Poole

[HPoole@dot.nyc.gov](mailto:HPoole@dot.nyc.gov)

<http://www.nyc.gov/html/dot/html/sidewalks/safeseniors.shtml>