


Annual Pedestrian and Bicycle Counts Report

A Presentation by
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Bicycle and Pedestrian Coordination Services Team
July 2013



Why count walkers and bicyclists?

- Assess countywide trends in walking and bicycling
 - *Also, planning area trends*
- Acquire timely data
- Improve transportation modeling
- Assess return on investments
- Understand collision rates

Counts Report (2002 to 2012)

- Eleven-year period: 2002 to 2012
- Contains:
 - *1-year count trends for 63 locations (2011 to 2012)*
 - *3-year count trends for 63 locations (2010 to 2012)*
 - *11-year count trends for limited number of sites (2002 to 2012)*
 - *Counts for three periods*
 - *Trends on gender and helmet use*
 - *Planning Area-level trends*
 - *Summary of all historical counts for each location, by city*
 - *Comparison to other trends: collisions, population, BART access, gas price and unemployment*



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Counts Report (2002 to 2012)

- New this year:
 - *Helmet use by gender*
 - *Results of pilot AM-period school counts*
 - *Comparison to unemployment trends*



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Two Groups of Data

- Annual Data
 - 18 to 63 pedestrian and bicyclist count sites (depending on count period)
 - Three years (2010, 2011 & 2012)
 - Three time periods: Mid-day (12 to 2pm), School (2 to 4pm), and PM, (4 to 6pm)
- Longitudinal Data
 - 6 pedestrian sites; 9 bicycle sites
 - Counts over 11-year period (2002 to 2012)
 - PM only



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Annual bike/ped count program

- 63 intersections counted throughout the county (2010, 2011 and 2012)
- Intersection selection criteria:
 - Historic counts conducts, especially earlier years
 - Geographic equity by planning area
 - Locations on Countywide Bicycle and/or Pedestrian Networks
 - Variety of land uses, land use density and street types
 - Some locations near transit, multi-use trails and schools



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Pedestrian Annual Count Data

- Increased ped counts across all time periods from 2011 to 2012
- Countywide (2011 to 2012):
 - *PM period: 7% increase*
 - *Mid-day: 5% increase*
 - *School: 2% increase*
- Countywide (2010 to 2012):
 - *About the same overall, since little change in previous year.*



Ped Counts by Planning Area

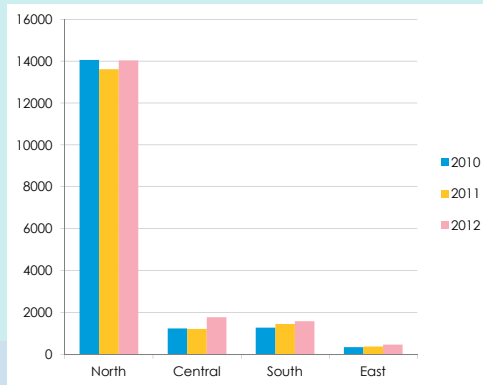


Figure 2-3: Change in Number of Pedestrian by Planning Area (2010, 2011, 2012; weekday PM; 61 sites)



Figure 2-4: Percent Change in Pedestrians by Planning Area (2010, 2011, 2012; weekday PM; 61 sites)



Bicyclist Annual Count Data

- Overall, bicyclists counted have continued to increase across all time periods.
- Countywide (2011 to 2012):
 - *PM period: 12% increase*
 - *Mid-day: 12% increase*
 - *School: 94% increase*
- Countywide (2010 to 2012):
 - *PM period: 42% increase*
 - *Mid-day: 54% increase*
 - *School: 115% increase*



Bicyclists Counts by Planning Area

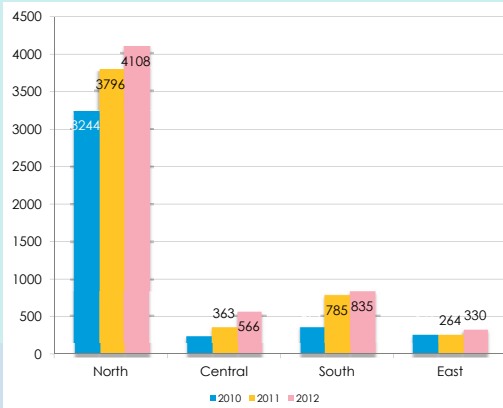


Figure 3-3: Change in Number of Bicyclists by Planning Area (2010, 2011, 2012; weekday PM; 61 sites)

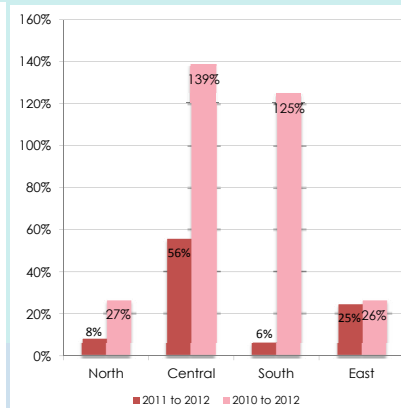


Figure 3-4: Percent Change in Bicyclists by Planning Area (2010, 2011, 2012; weekday PM; 61 sites)



Longitudinal Count Data (2002-2012)

- Pedestrian Counts: 59% increase
 - *At six locations*
- Bicyclist Counts: 64% increase
 - *At nine locations*
- *Both are PM period*



Gender Trends: Percent of Women Walking is Slightly Up

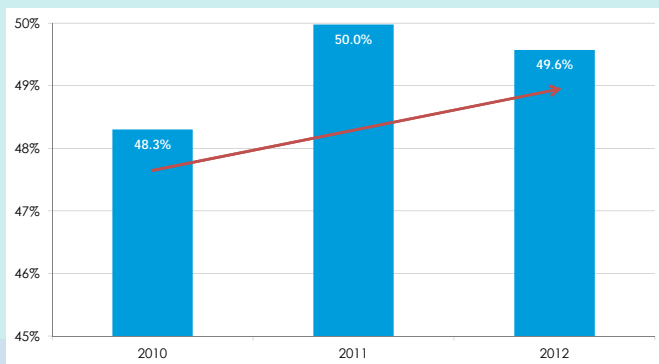


Figure 2-13: Percent Female by Year (2010, 2011, 2012; weekday mid-day, school, and PM; 63 sites)



Gender Trends: Percent of Women Bicycling is Increasing

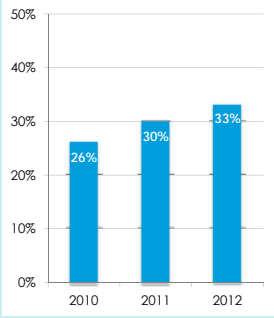


Figure 3-13: Percent female by year (2010, 2011, 2012; weekday mid-day, school and PM periods; 63 sites)

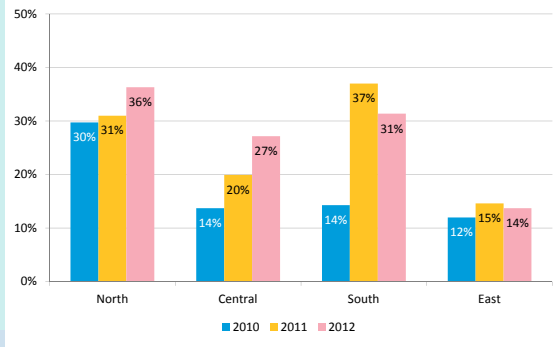


Figure 3-14: Percent Female Bicyclists by Planning Area (2010, 2011, 2012; weekday mid-day, school and PM periods; 63 sites)



Helmet Usage is Increasing

- **Countywide:** Increased to 61% in 2012

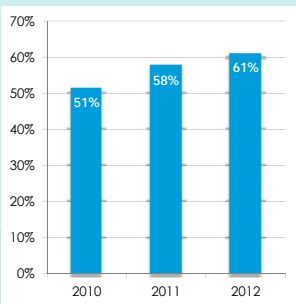


Figure 3-16: Helmet use (2010, 2011, 2012; all time periods; 63 sites)

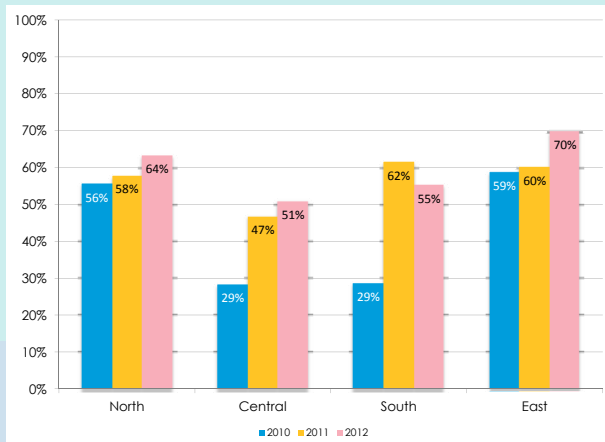


Figure 3-17: Helmet Use by Planning Area (2010, 2011, 2012; all time periods; 63 sites)



Helmet Usage by Gender

- Countywide: 11% higher for women than men.
- Differs by Planning Area:

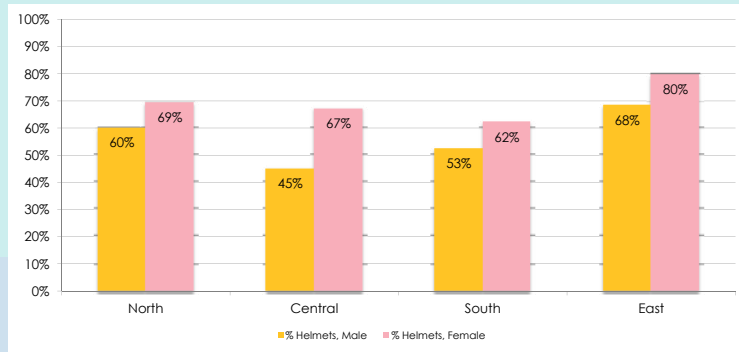


Figure 3-19: Helmet Use by Gender and Planning Area (2012; all time periods; 63 sites)



Pedestrian Collisions & Counts

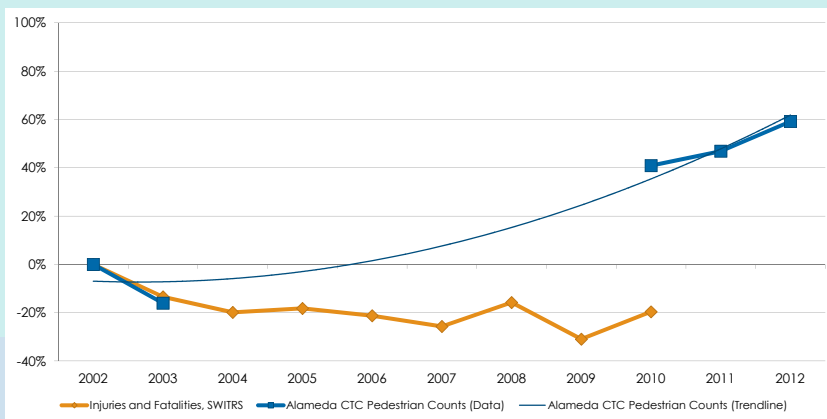


Figure 4-1: Percent Change in Pedestrian Injuries and Fatalities Compared with Percent Change in Pedestrian Counts, Relative to 2002



Bicyclist Collisions & Counts

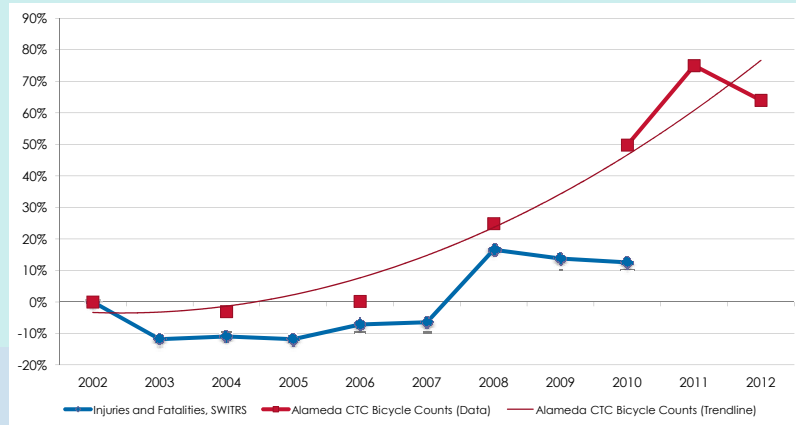


Figure 4-2: Percent Change in Bicyclist Injuries and Fatalities Compared with Percent Change in Bicycle Counts, Relative to 2002



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2013 Manual Counts and beyond

- Review and re-evaluate current count sites, and replace, as needed
- Count at 63 locations in September/October 2013
- Partner with MTC to do counts
- Exploring future options:
 - *Work with jurisdictions to review approach of countywide count program, including automated counters.*
 - *Count at more locations, to better represent whole county*



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Requested ACTAC input

- Counts Report
 - *Feedback?*
- Submit additional comments by Friday, July 12th to Rochelle Wheeler, rwheeler@alamedaCTC.org

