

BW (MPI) 2-2

Volume:	LP.4.13.1	Page No.:	56
Topic:	Loss Prevention		
Sub Topic:	Road Safety - Reducing Human Toll		
Issue:	MPI claims success		
Reference:	BW (MPI) 1-7 GRA 2017		

Preamble: MPI makes the following statement:

"The Corporation's efforts have, in conjunction with the work of all other relevant stakeholders in road safety, contributed to an overall downward trending in actual motor vehicle fatalities and fatal collisions [...] over the last two decades"

Question:

- a) Please indicate the data source for the response provided in **BW (MPI) 1-7**
- b) Please provide each chart (graphs) in **BW (MPI) 1-7** for both fatalities and bodily injuries in a full page format, with "tick marks" on the horizontal axis for the year, and with the equation of the trend line clearly indicated.
- c) Please provide a chart (graph) of the number of fatal cyclists by year using the same data source and format as indicated above.
- d) Please provide a chart (graph) of the number of fatal pedestrians by year using the same data source and format as indicated above.
- e) Using data from the **Enterprise Data Warehouse**, please chart (graph) the number of fatal drivers (exclude passengers) and the number of fatal vulnerable road users (pedestrians, cyclists, motorcyclists, other (excluding passengers)), by year, for the last two decades. Please indicate the linear trend lines, including their formulas (equations) and R squared values (as provided in Excel.

- f) Using data from the **Enterprise Data Warehouse**, please chart (graph) the number of fatal drivers (exclude passengers) and the number of fatal cyclists by year, for the past 10 years. Please indicate the linear trend lines, including their formulas (equations) and R squared values (as provided in Excel).
- g) Using data from the **Enterprise Data Warehouse**, please chart (graph) fatal drivers (exclude passengers) and the number of fatal cyclists by year, for the past 10 years. Please indicate the linear trend lines, including their formulas (equation) and R squared values (as provided in Excel).
- h) Please repeat #3, #4, #5, #6 and #7 above for bodily injuries.

Rationale for Question:

Bike Winnipeg seeks to continue to assist with critically evaluating the quality and clarity of MPI's data collection, analysis and accessibility regarding collisions involving vulnerable road users. The information requested is applicable and relevant to enable Bike Winnipeg to continue to assist in this manner.

RESPONSE:

- a) The information provided in response to BW (MPI) 1-7 is based upon the *Traffic Collision Statistics Report*. The dataset for this report is sourced from Traffic Accident Reports completed by law enforcement agencies and when a collision claim is registered with Manitoba Public Insurance. It is the official report of traffic collision statistics in Manitoba and uses data definitions that are consistent with other jurisdictions (provincially and nationally) in Canada.

For additional explanation please see BW (MPI) 2-1 (a).

b)

Figure 1, Number of drivers killed in motor vehicle collisions: 1997-2014

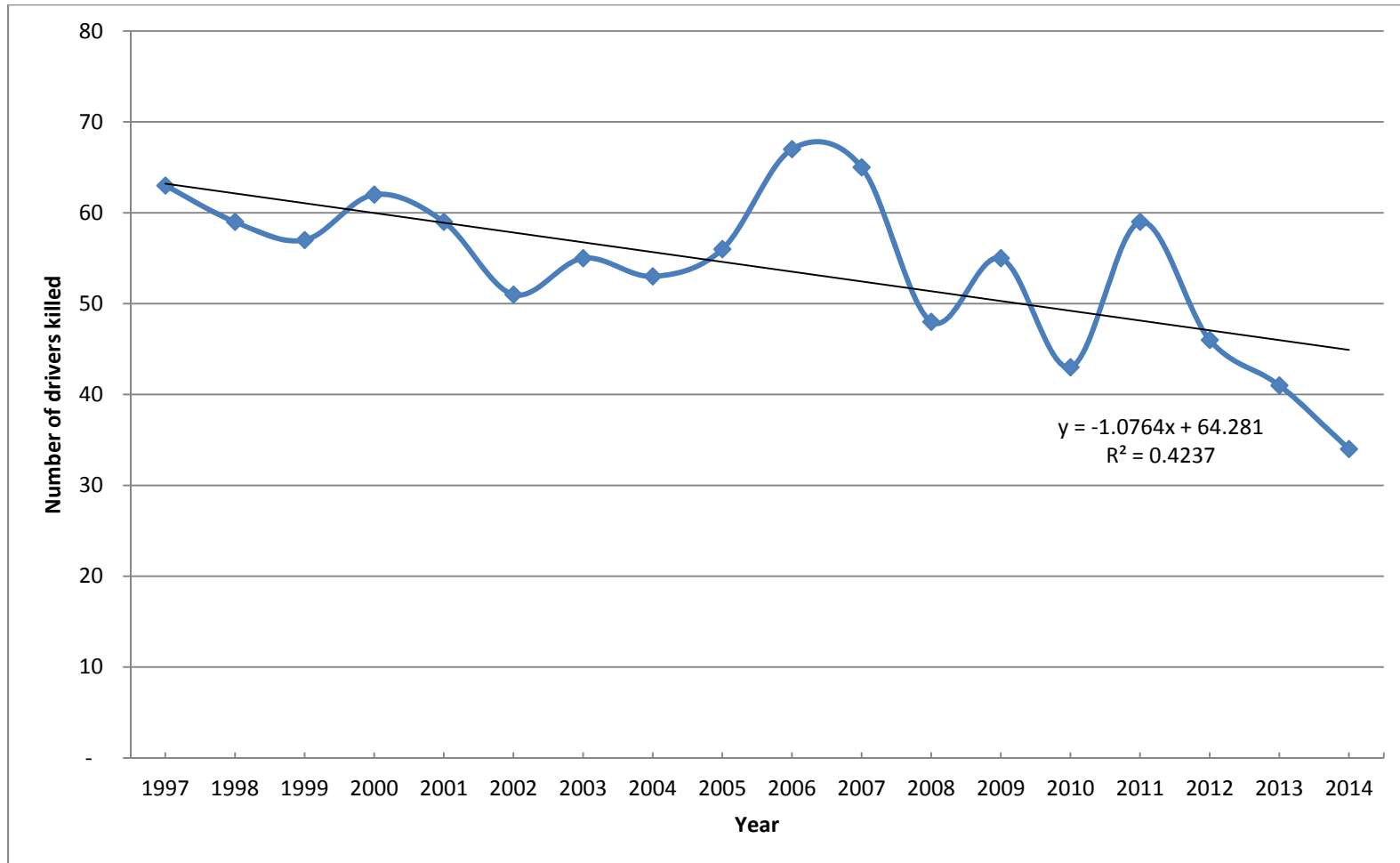


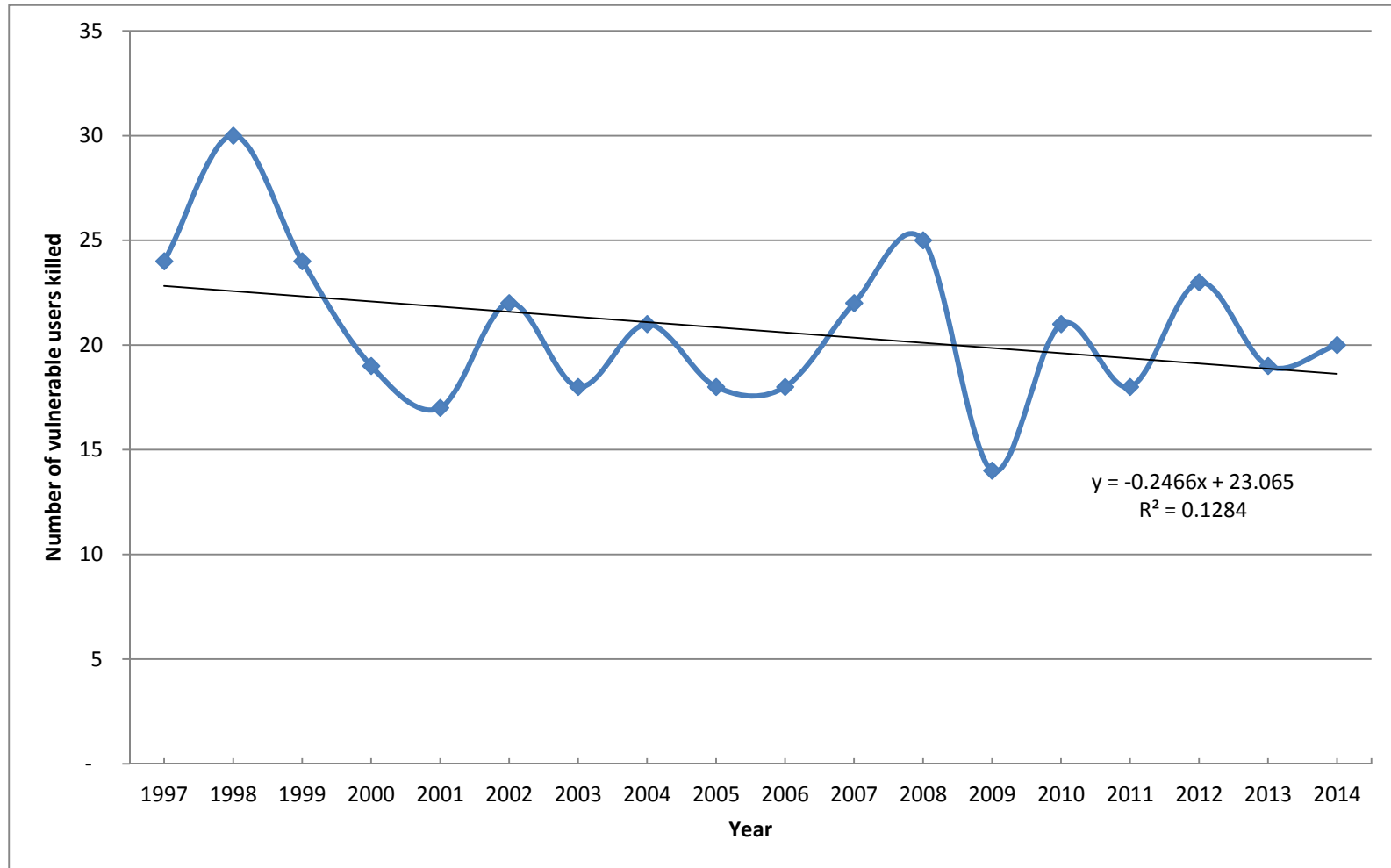
Figure 2, Number of vulnerable road users killed in motor vehicle collisions: 1997-2014

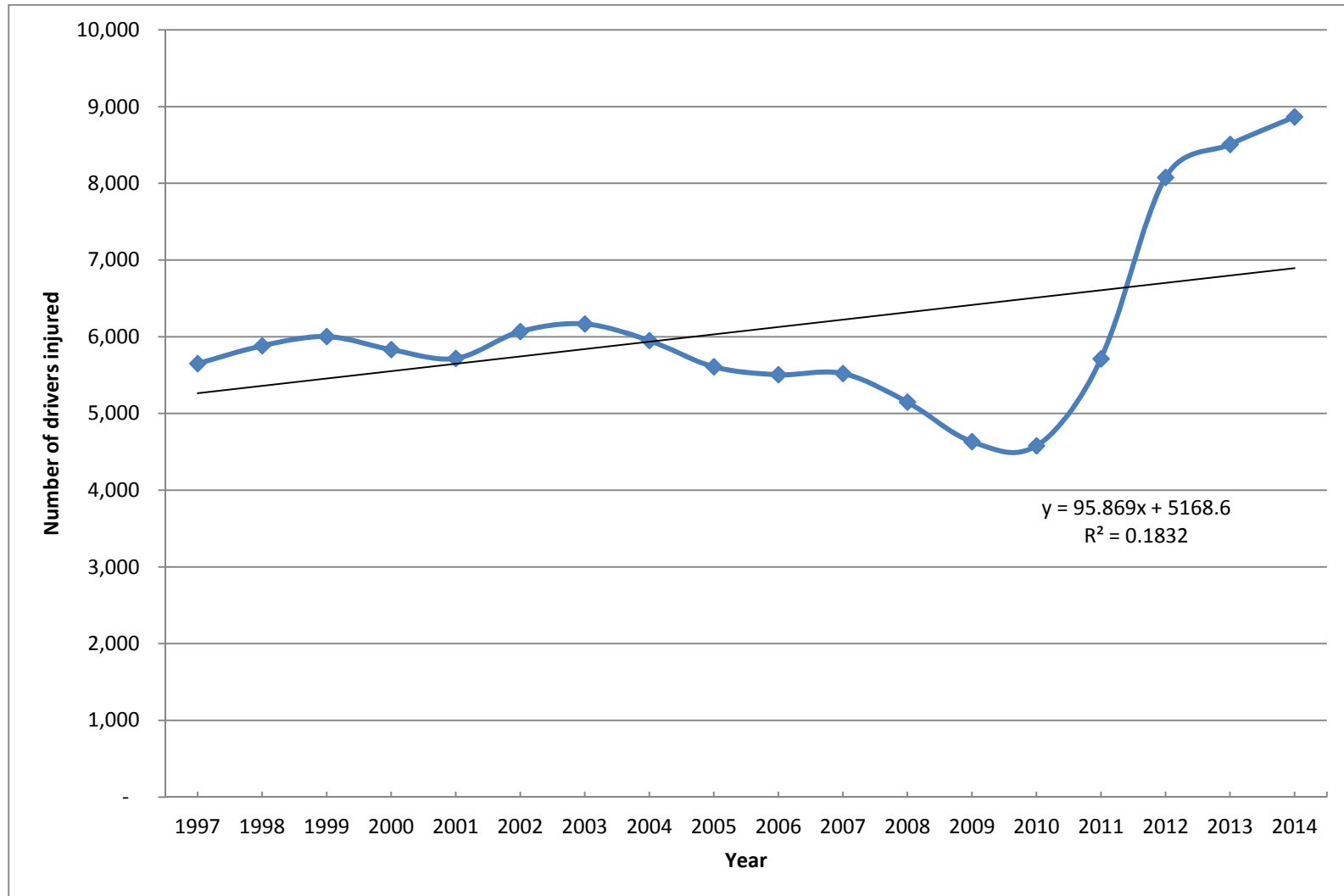
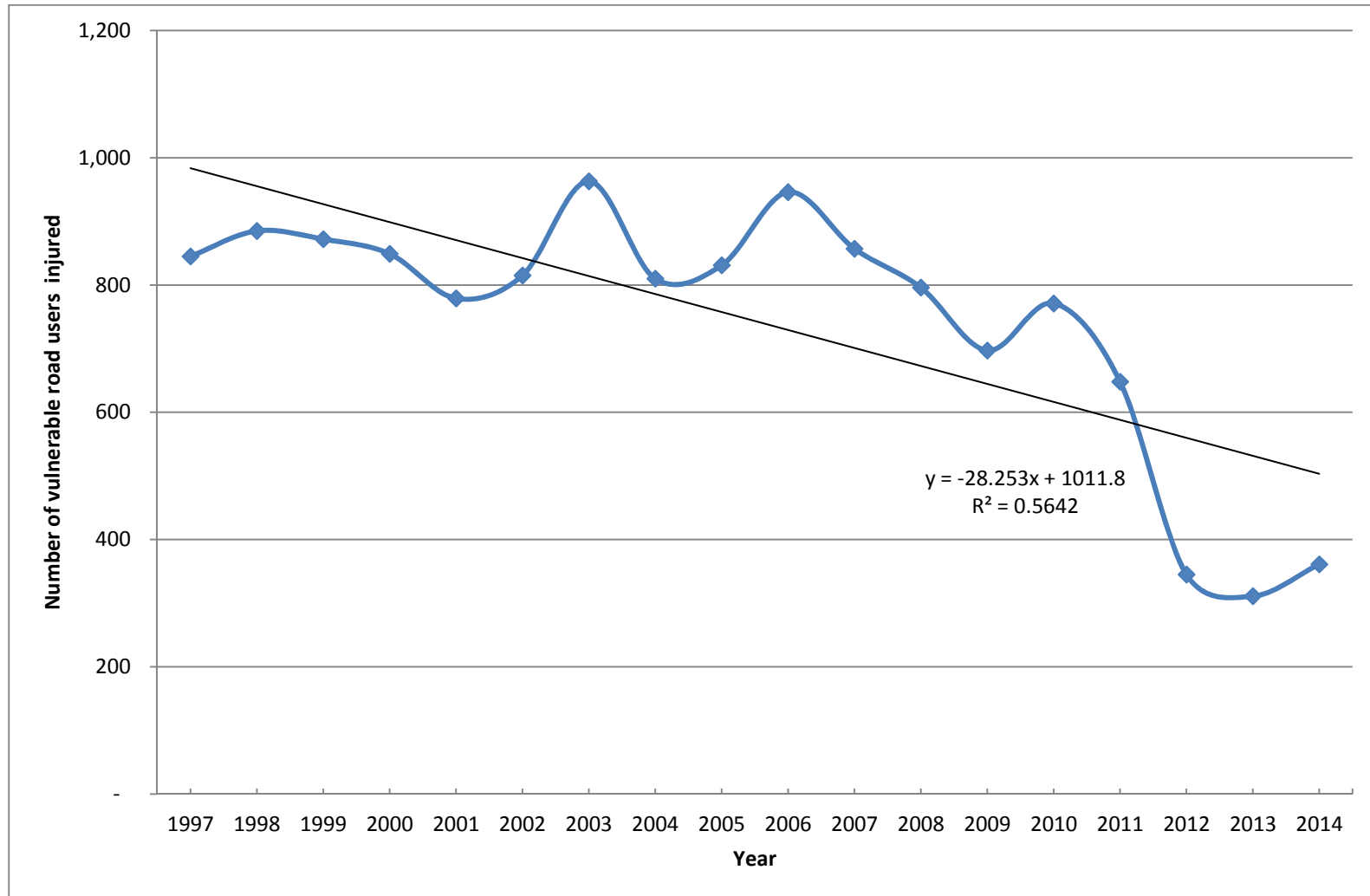
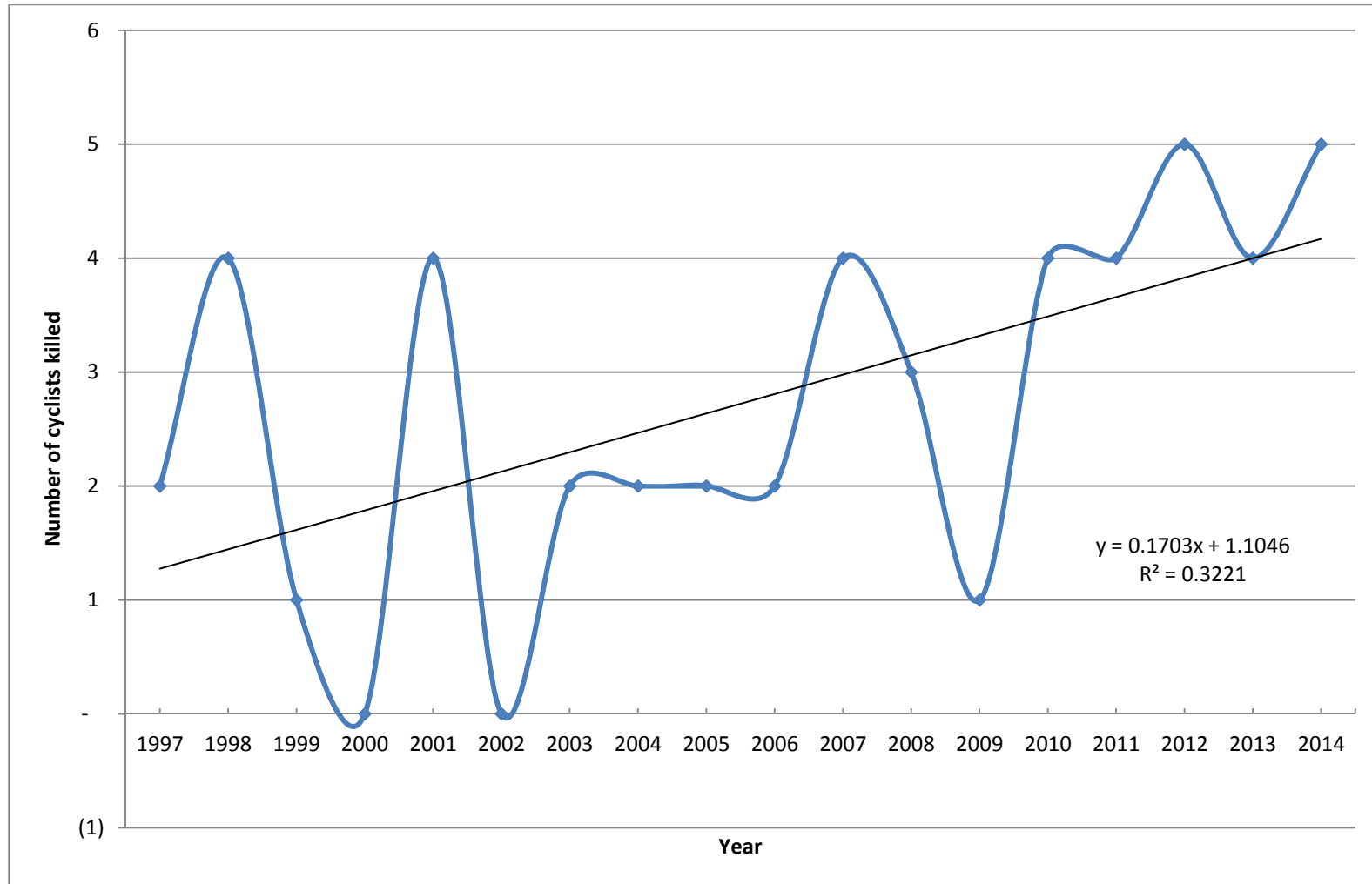
Figure 3, Number of drivers injured in motor vehicle collisions: 1997-2014

Figure 4, Number of vulnerable road users injured in motor vehicle collisions: 1997-2014



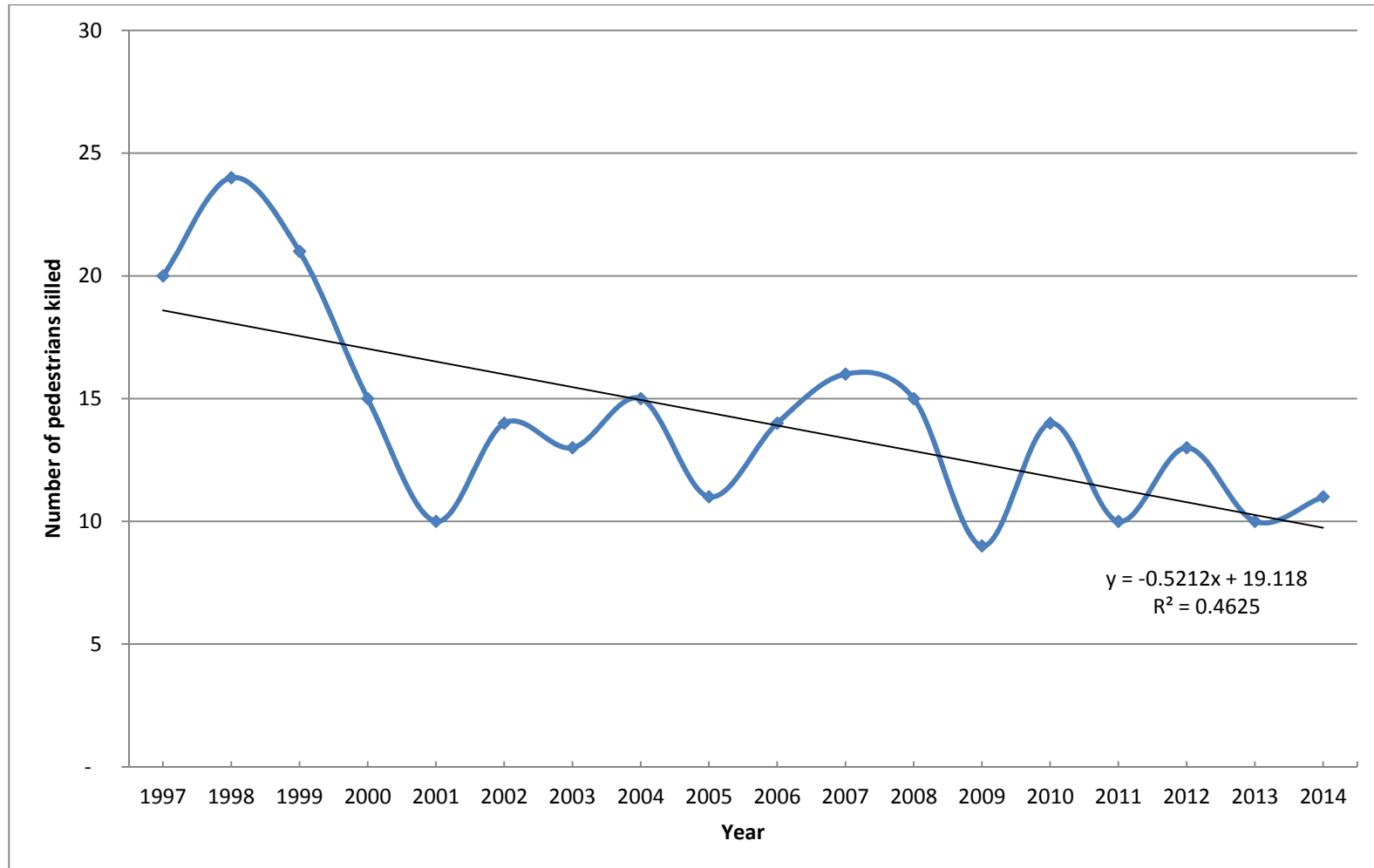
c)

Figure 5, Number of cyclists killed in motor vehicle collisions: 1997-2014

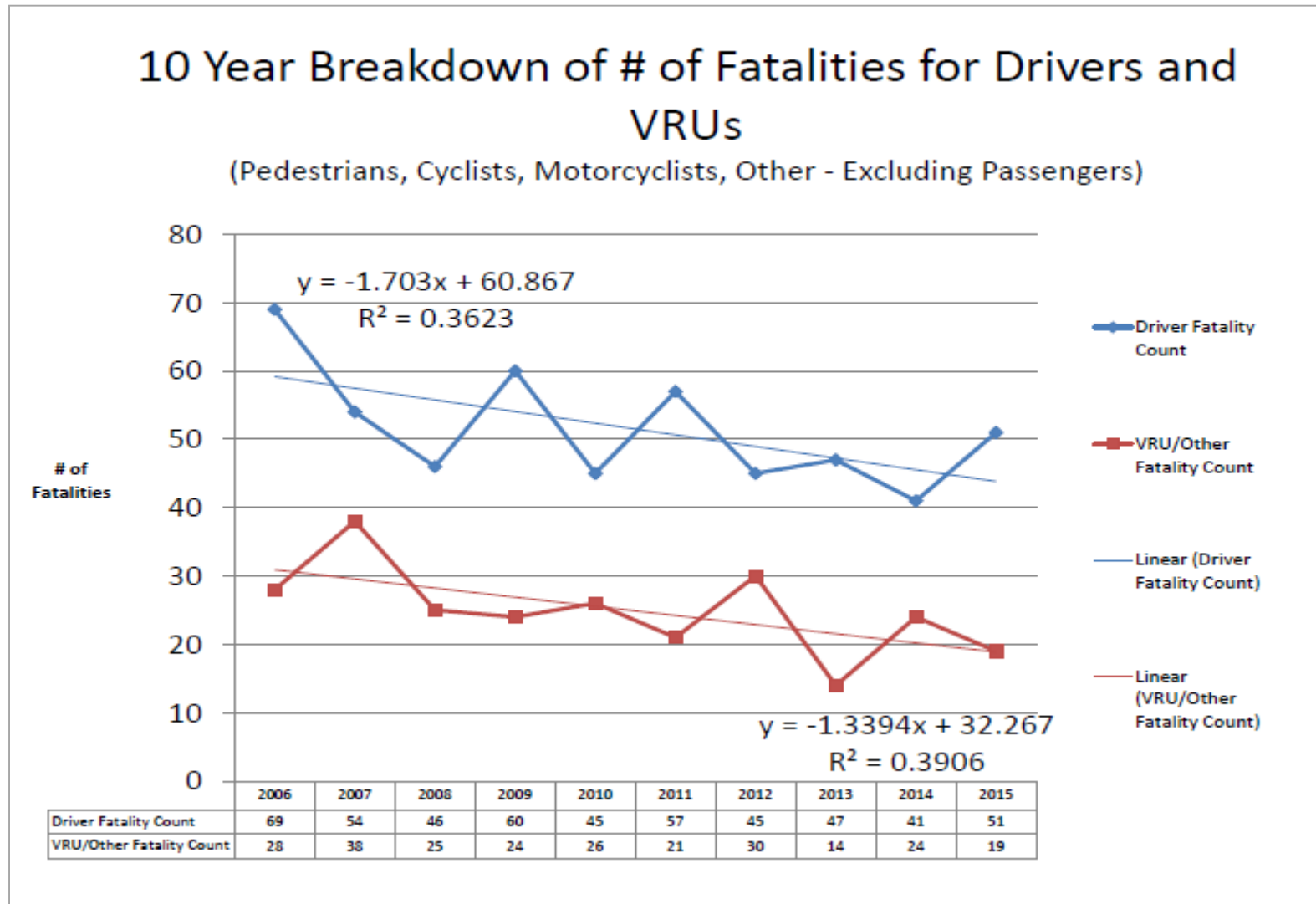


d)

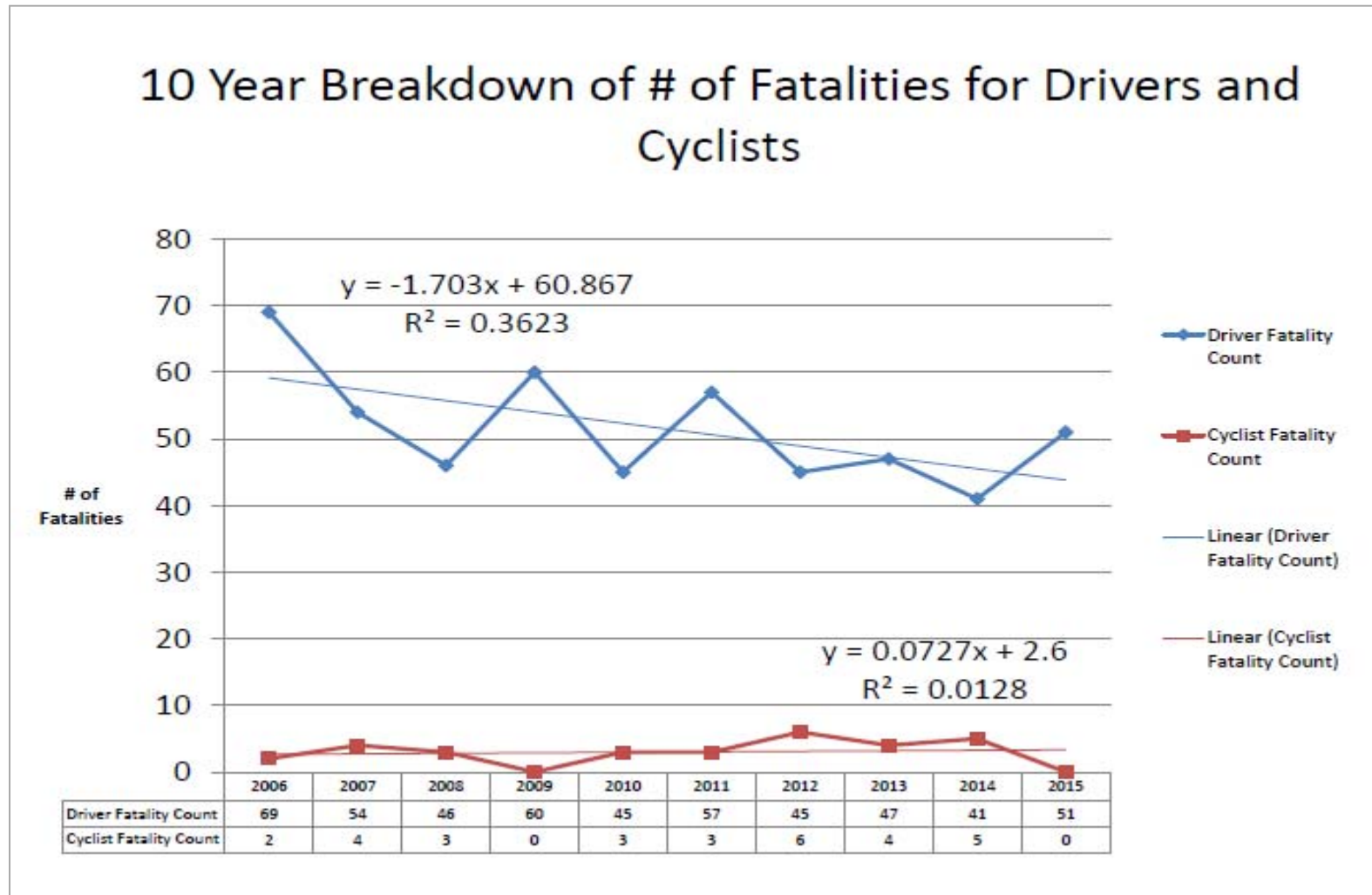
Figure 6, Number of pedestrians killed in motor vehicle collisions: 1997-2014



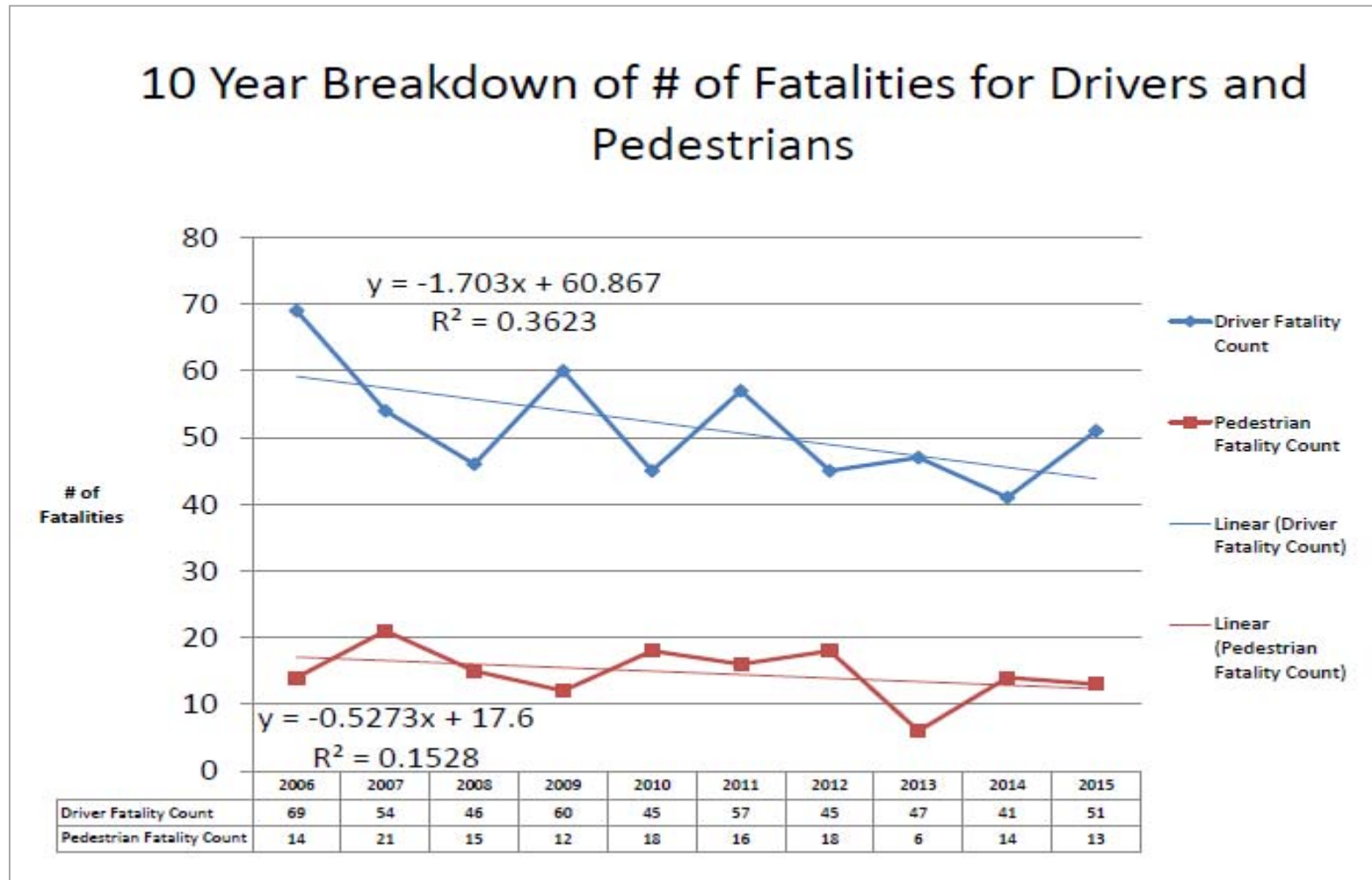
e) The following chart was created based on EDW source data:



f) The following chart was created based on EDW source data:



g) The following chart was created based on EDW source data:



h)

Figure 7, Number of cyclists injured in motor vehicle collisions: 1997-2014

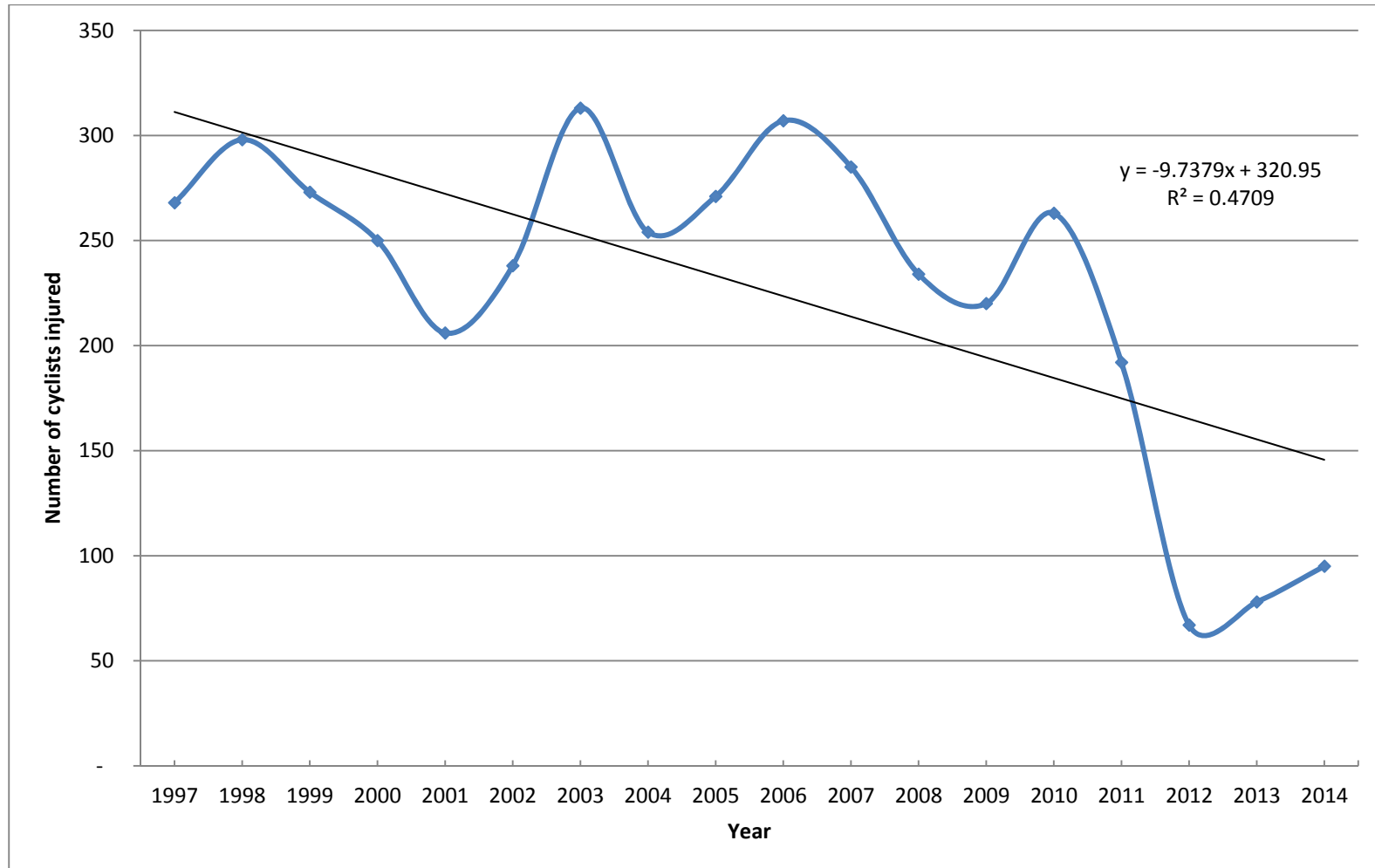
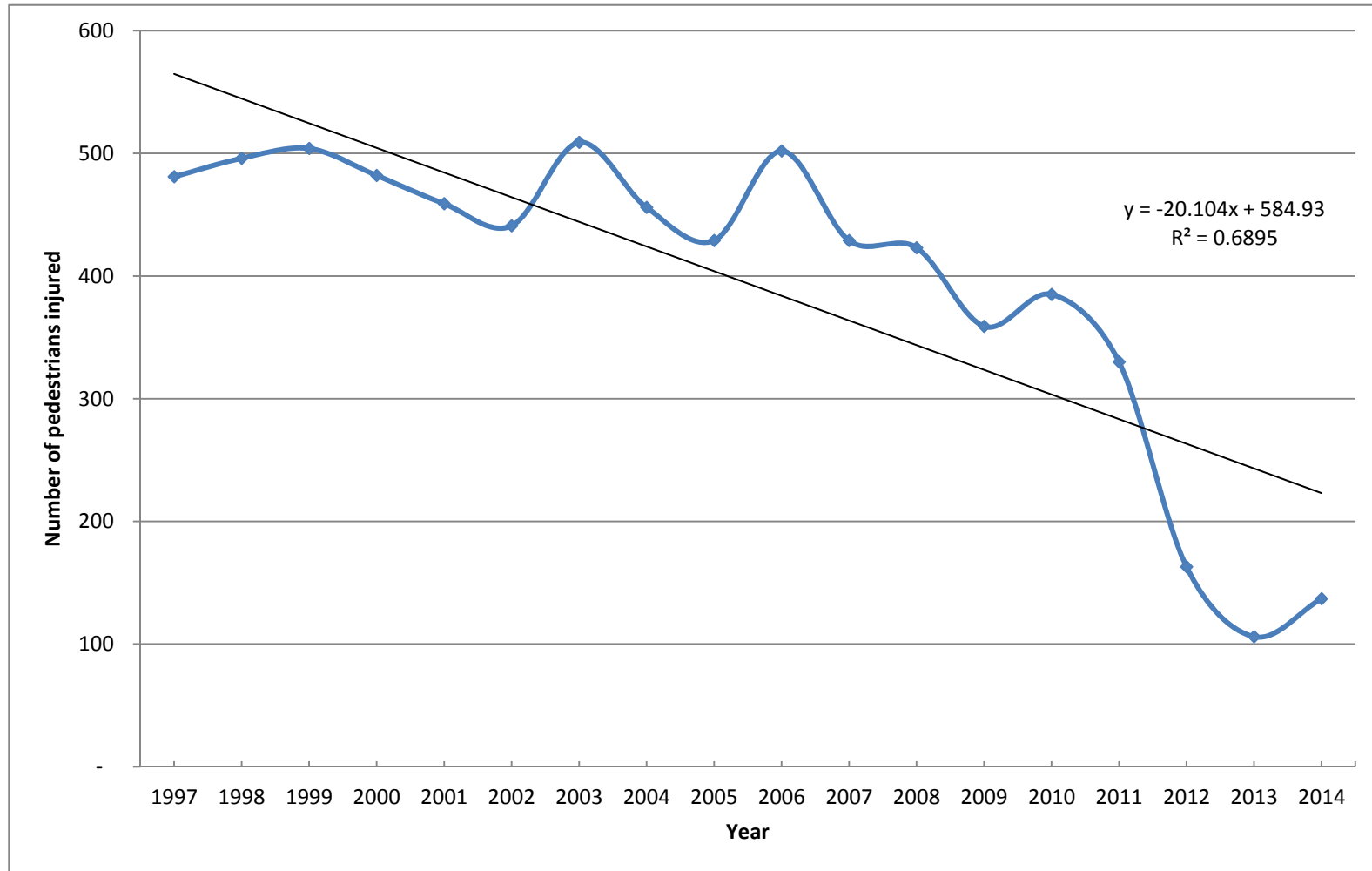


Figure 8, Number of pedestrians injured in motor vehicle collisions: 1997-2014



The following charts were created based on EDW source data:

