



**Transport
for London**

Pedal cyclist casualties in London

December 2010

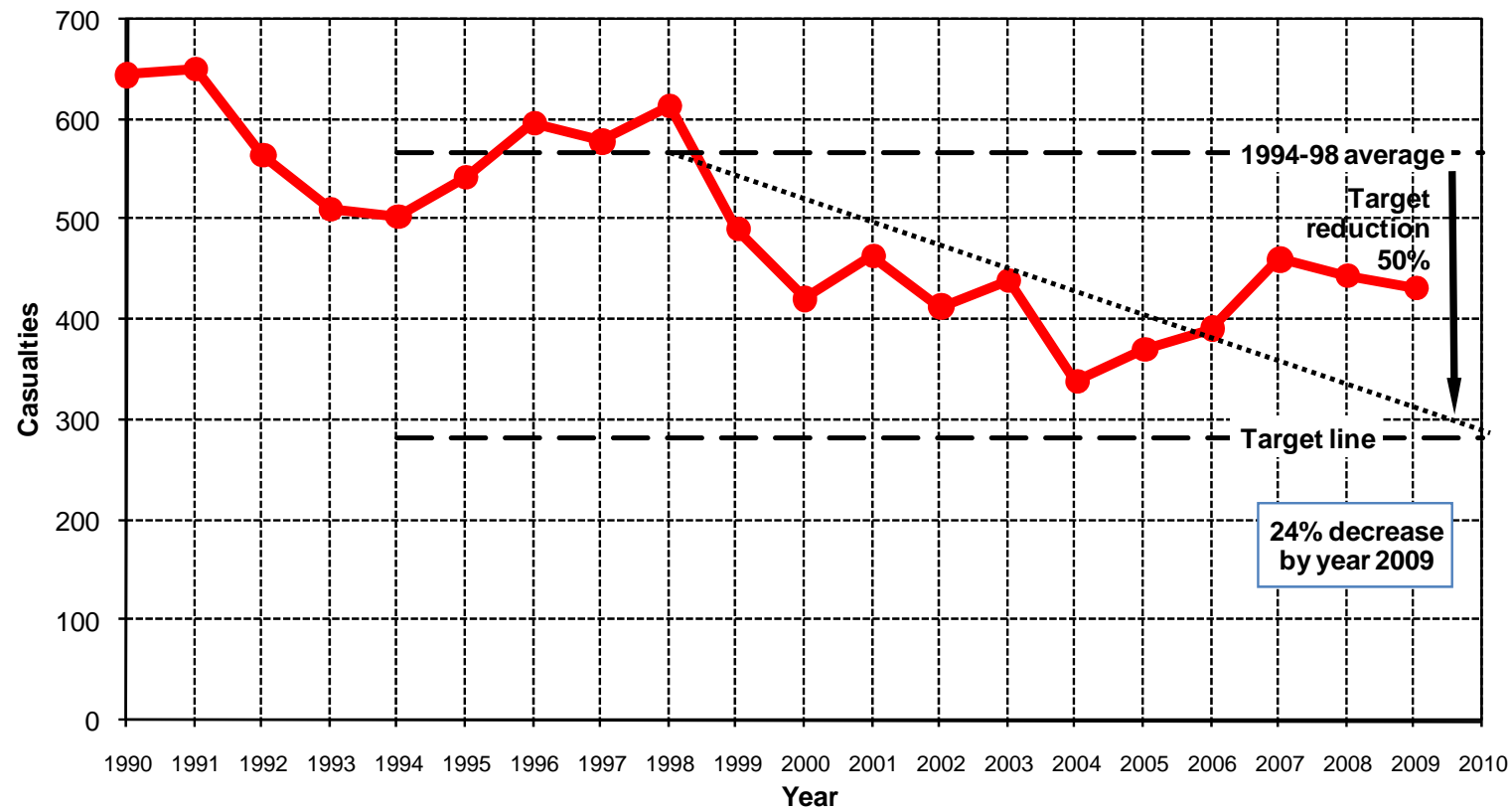


**Transport
for London**

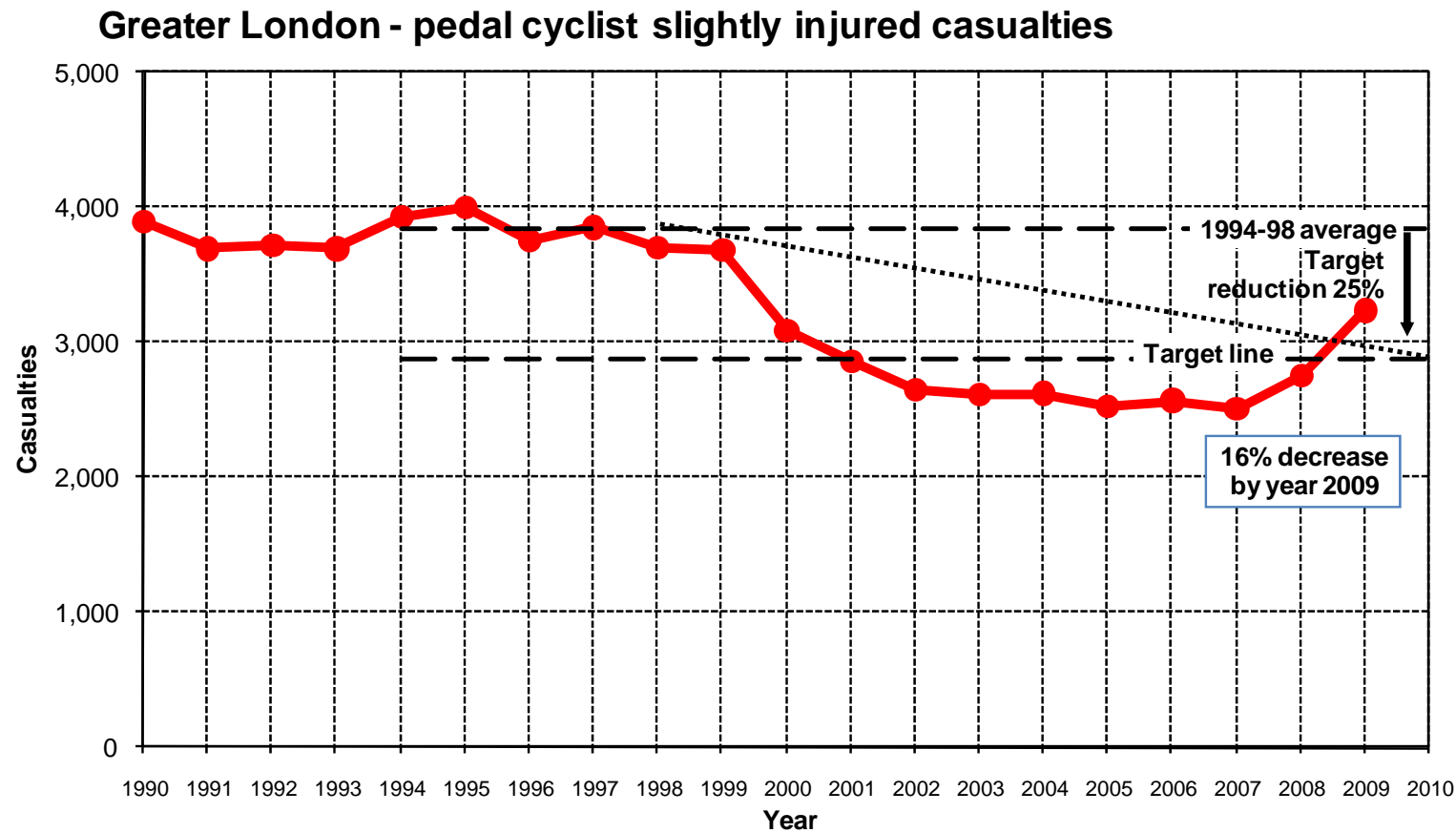
Joe Stordy
Research and Data Analysis Manager
Delivery Planning, Better Routes and Places

Casualty reduction target monitoring

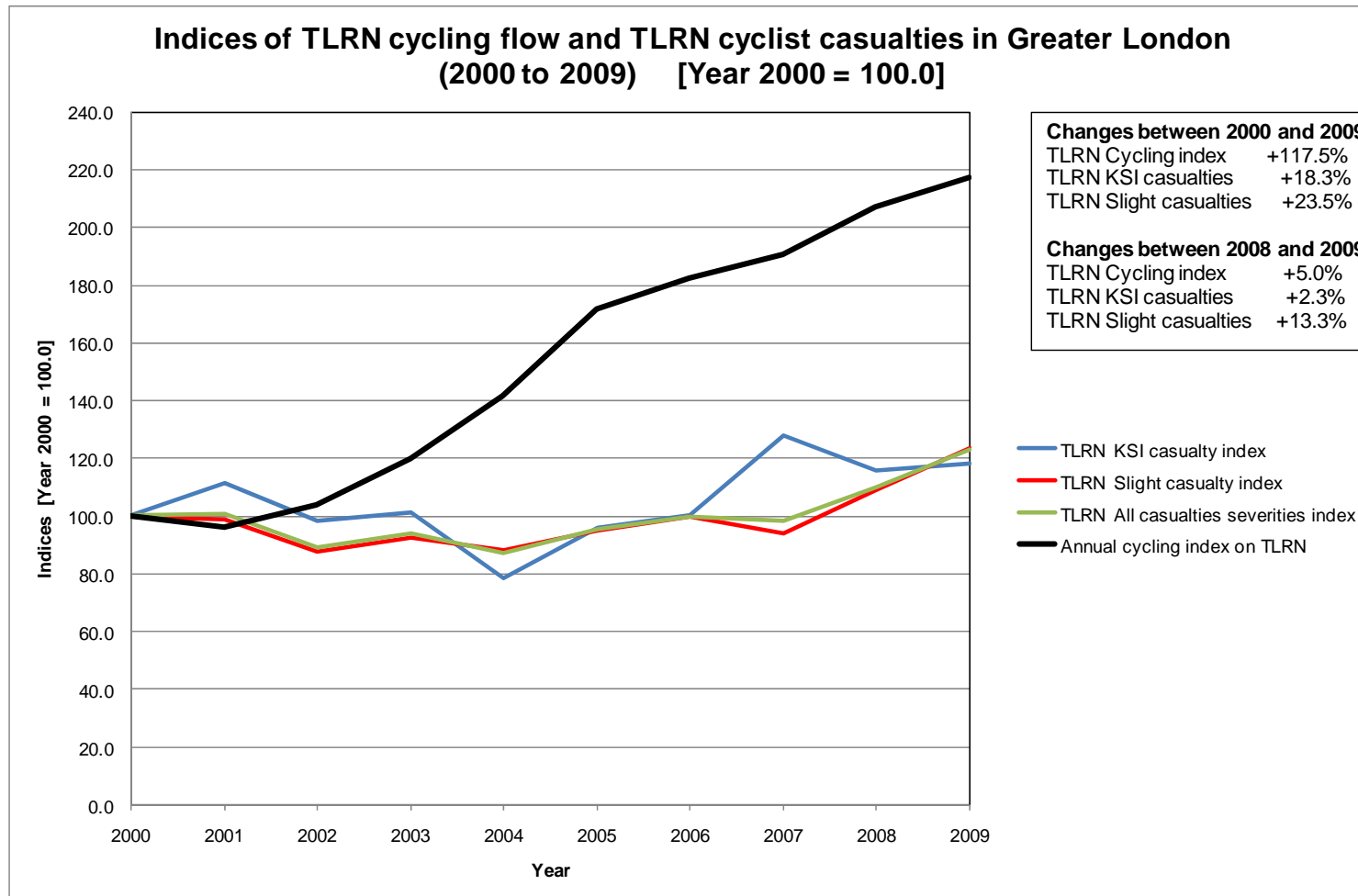
Pedal cyclist killed or seriously injured casualties (London target category)



Casualty reduction target monitoring

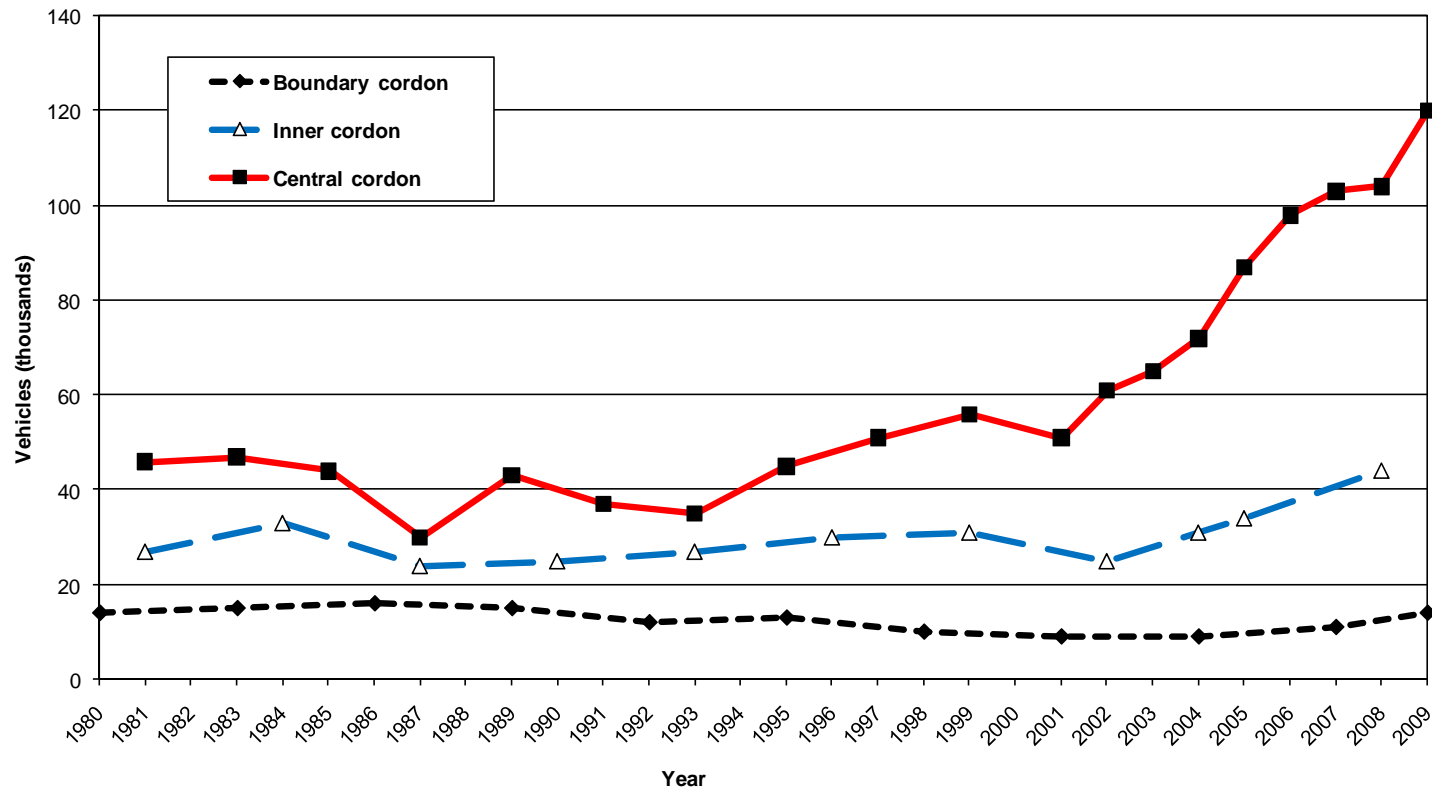


Change in cycling and casualties



Cordon counts of cyclists

Radial 24 hour pedal cycle cross-cordon movements in London, both directions combined, 1980-2009



Who – gender and severity (2008)

Pedal cycle casualties in London by severity and gender (2008)

Casualty Severity	Number of casualties		
	Male	Female	Total
Fatal	11	4	15
Serious	338	92	430
Slight	2,128	629	2,757
All	2,477	725	3,202
<i>Killed or seriously injured</i>	349	96	445

Source: ACCSTATS data 2009



Who – gender and severity (2009)

Pedal cycle casualties in London by severity and gender (2009)

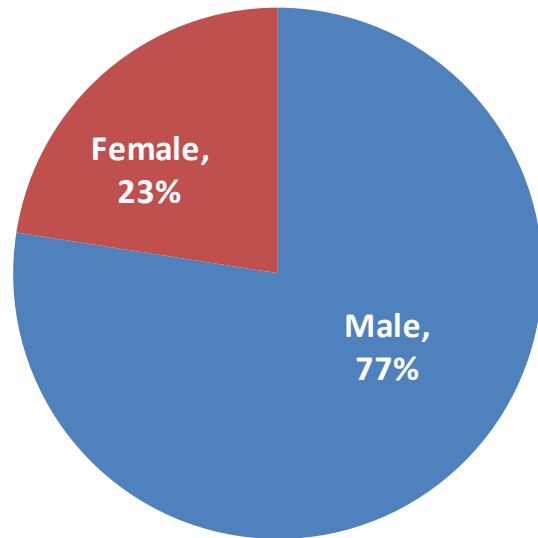
Casualty Severity	Number of casualties		
	Male	Female	Total
Fatal	3	10	13
Serious	337	83	420
Slight	2,502	734	3,236
All	2,842	827	3,669
<i>Killed or seriously injured</i>	340	93	433

Source: ACCSTATS data 2010

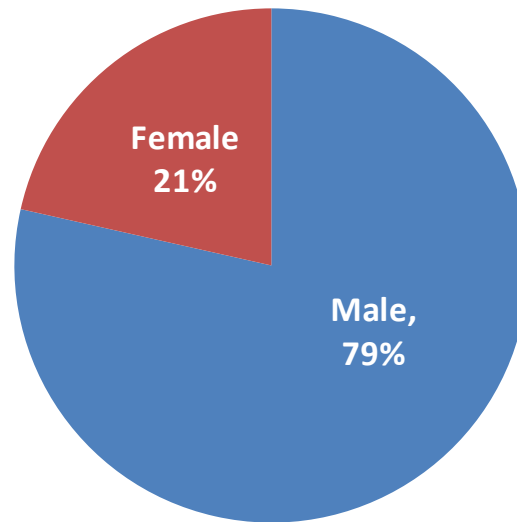


Who – gender and severity – update (2009)

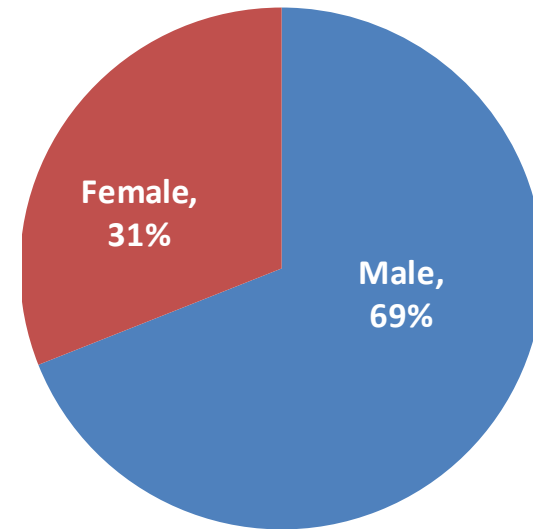
**All pedal cyclist casualties
by gender**



**KSI pedal cyclist casualties
by gender**



**Pedal cyclist trips by
gender**

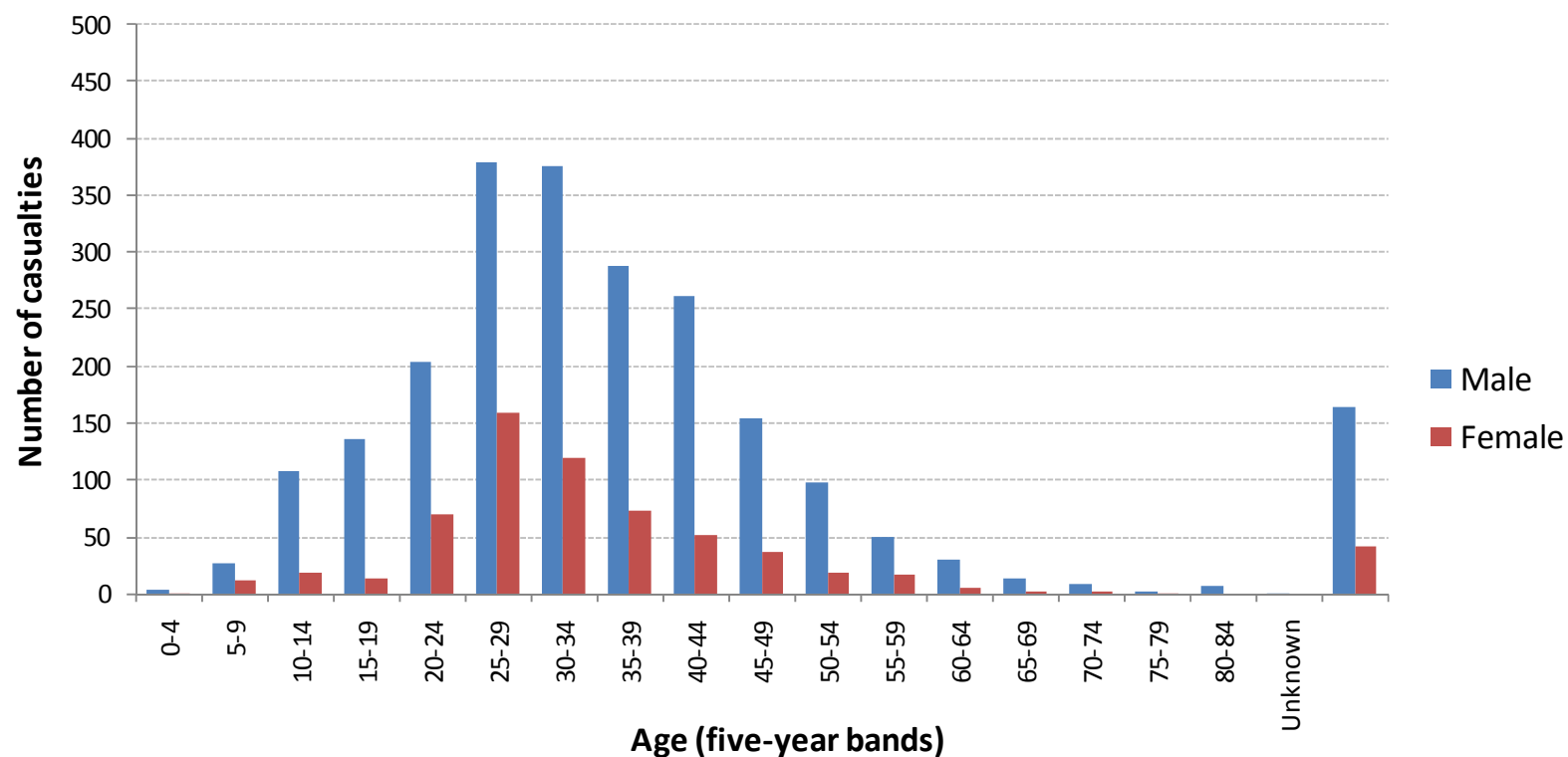


Source: ACCSTATS data 2010



Who – age and gender (2008)

Pedal cyclist casualties by age-band and gender in Greater London
2008

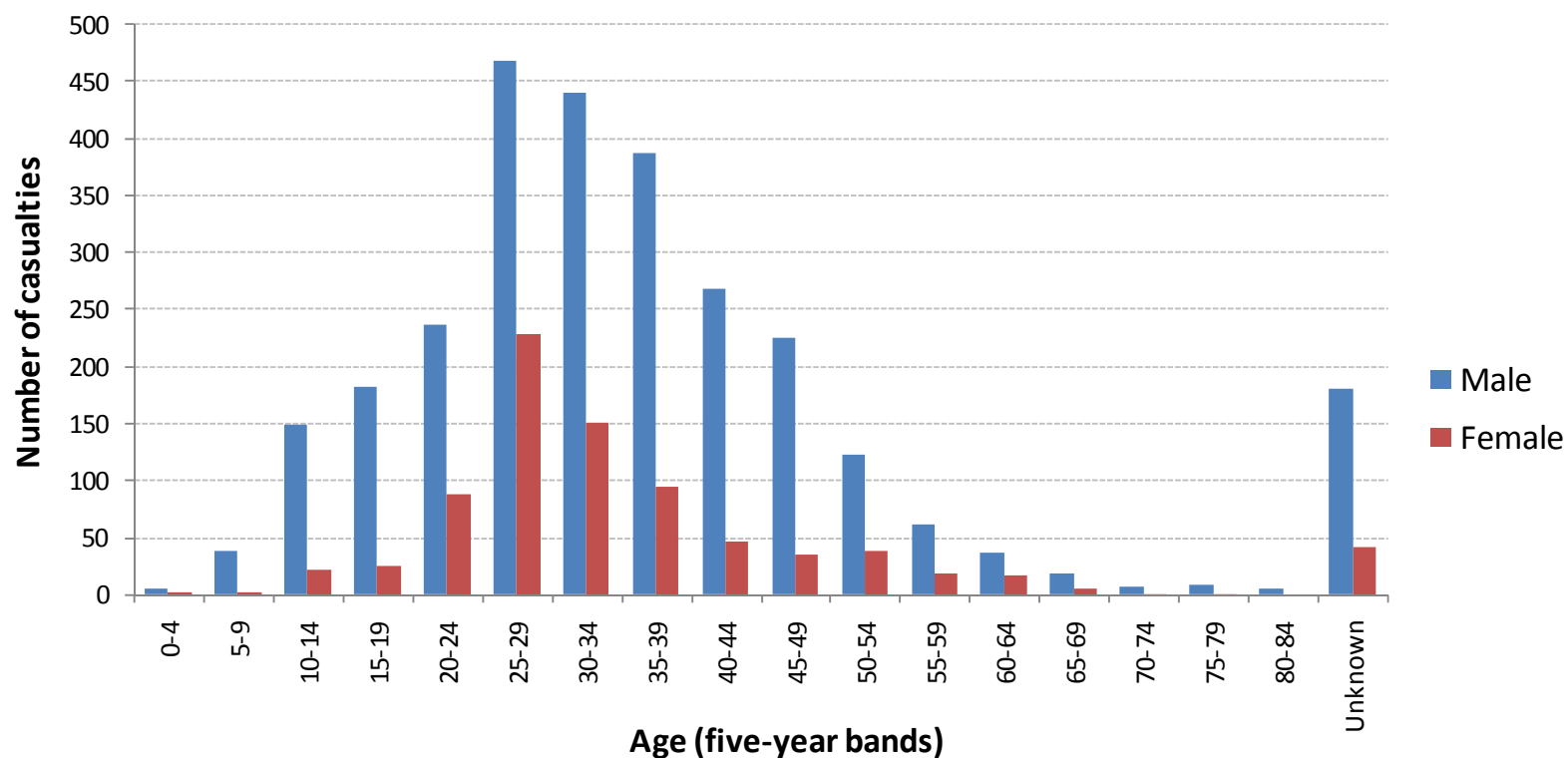


Source: ACCSTATS data 2009



Who – age and gender (2009)

Pedal cyclist casualties by age-band and gender in Greater London
2009

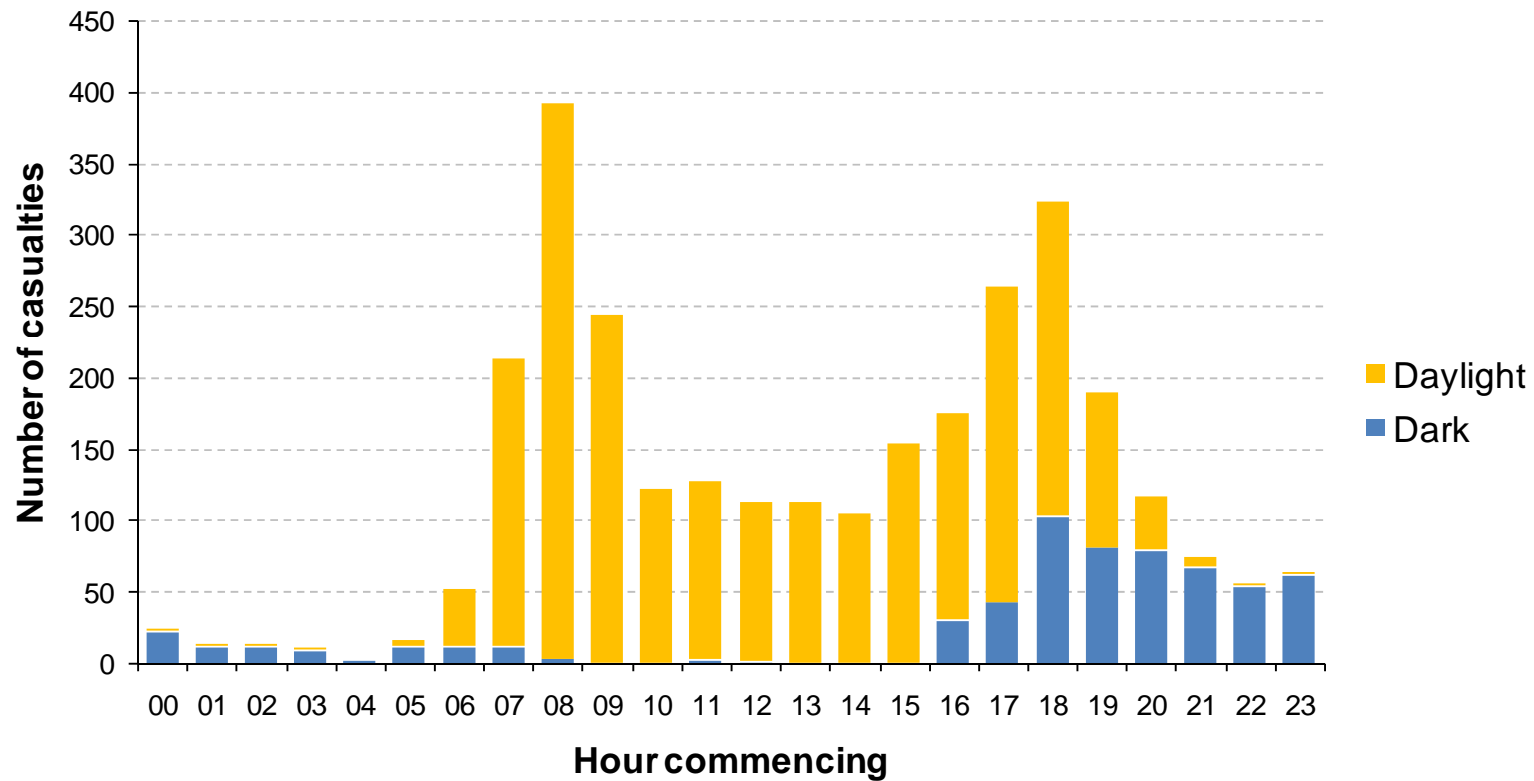


Source: ACCSTATS data 2010



When – time of day (2008)

Pedal cyclist casualties by time of day and light conditions in Greater London 2008

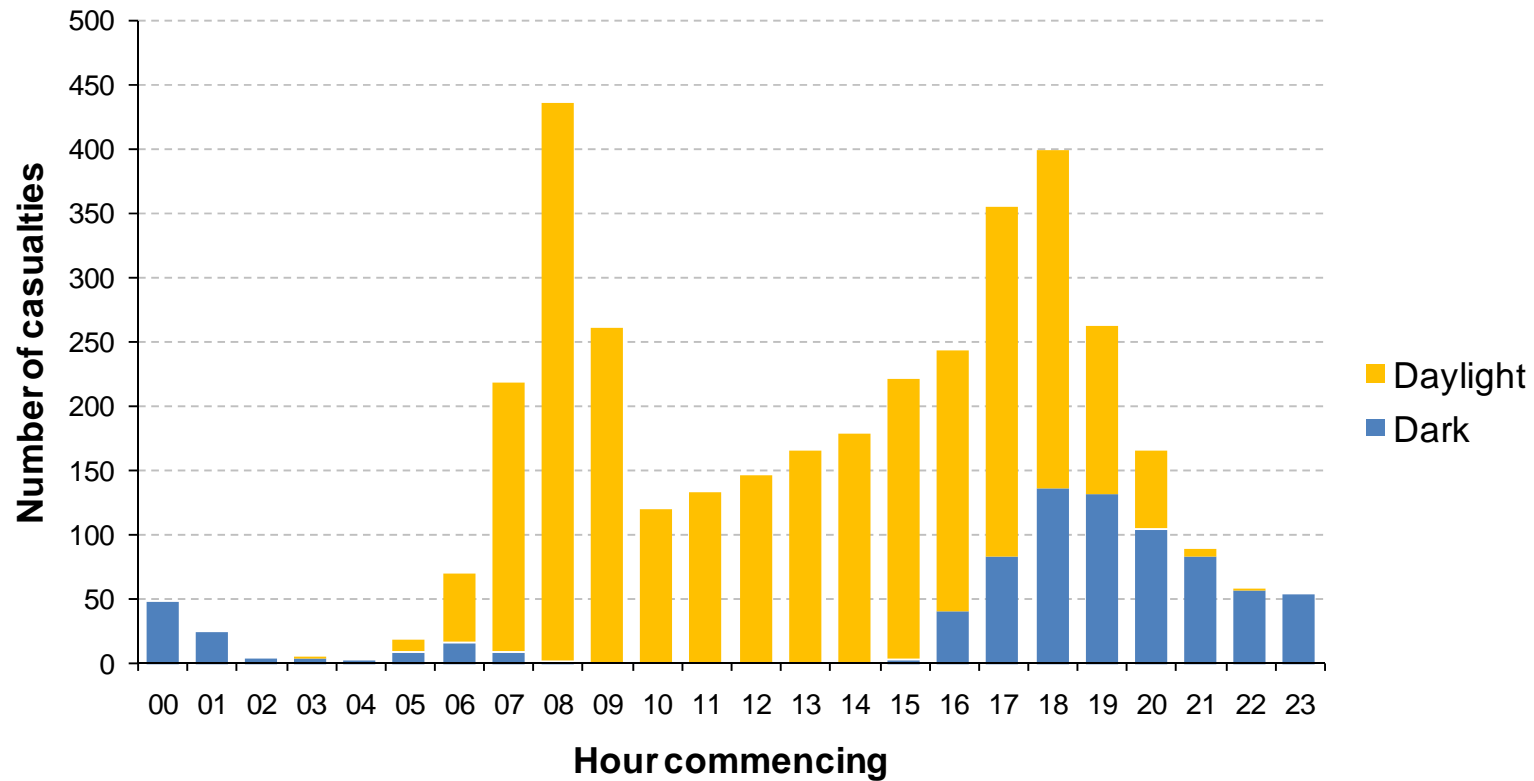


Source: ACCSTATS data 2009



When – time of day (2009)

Pedal cyclist casualties by time of day and light conditions in Greater London 2009

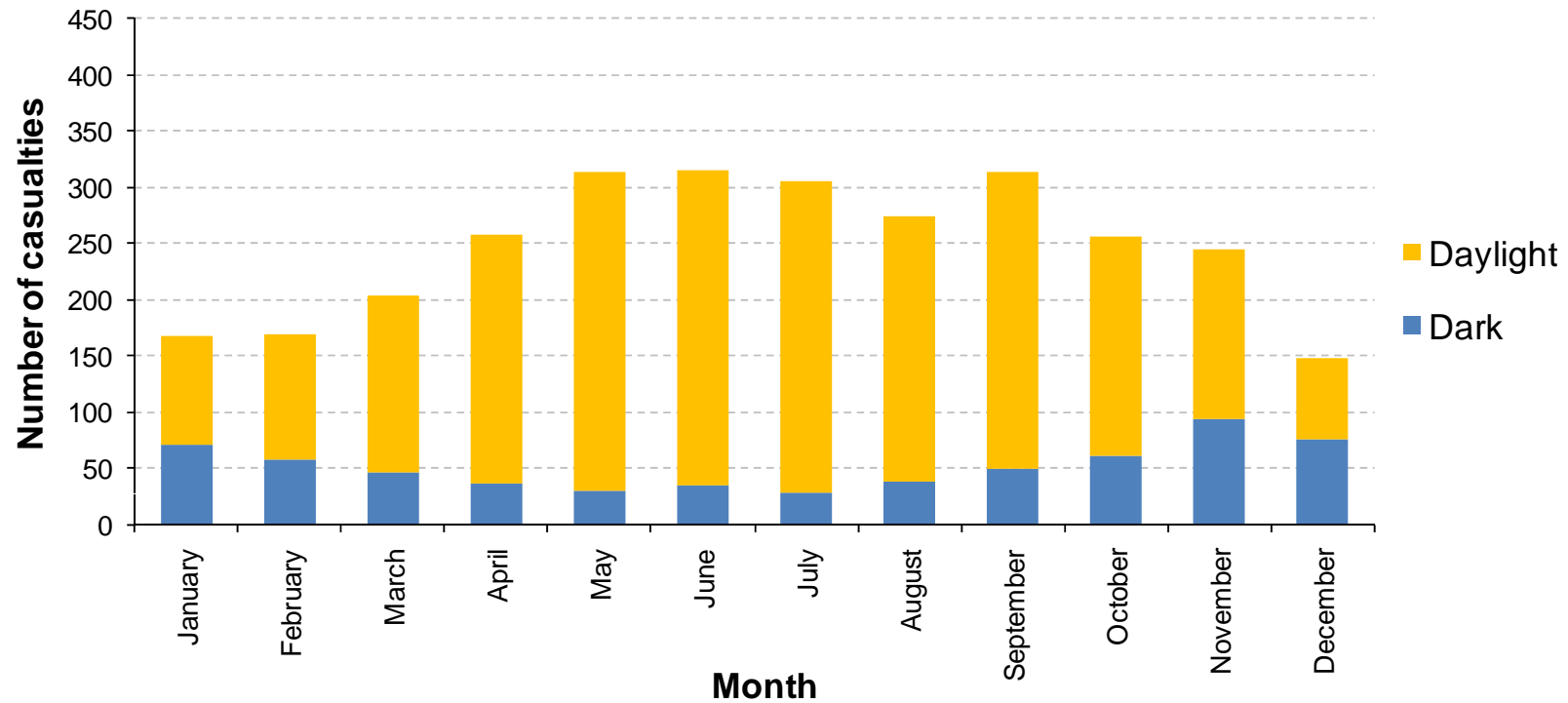


Source: ACCSTATS data 2010



When – month (2008)

Pedal cyclist casualties by month and light conditions in Greater London 2008

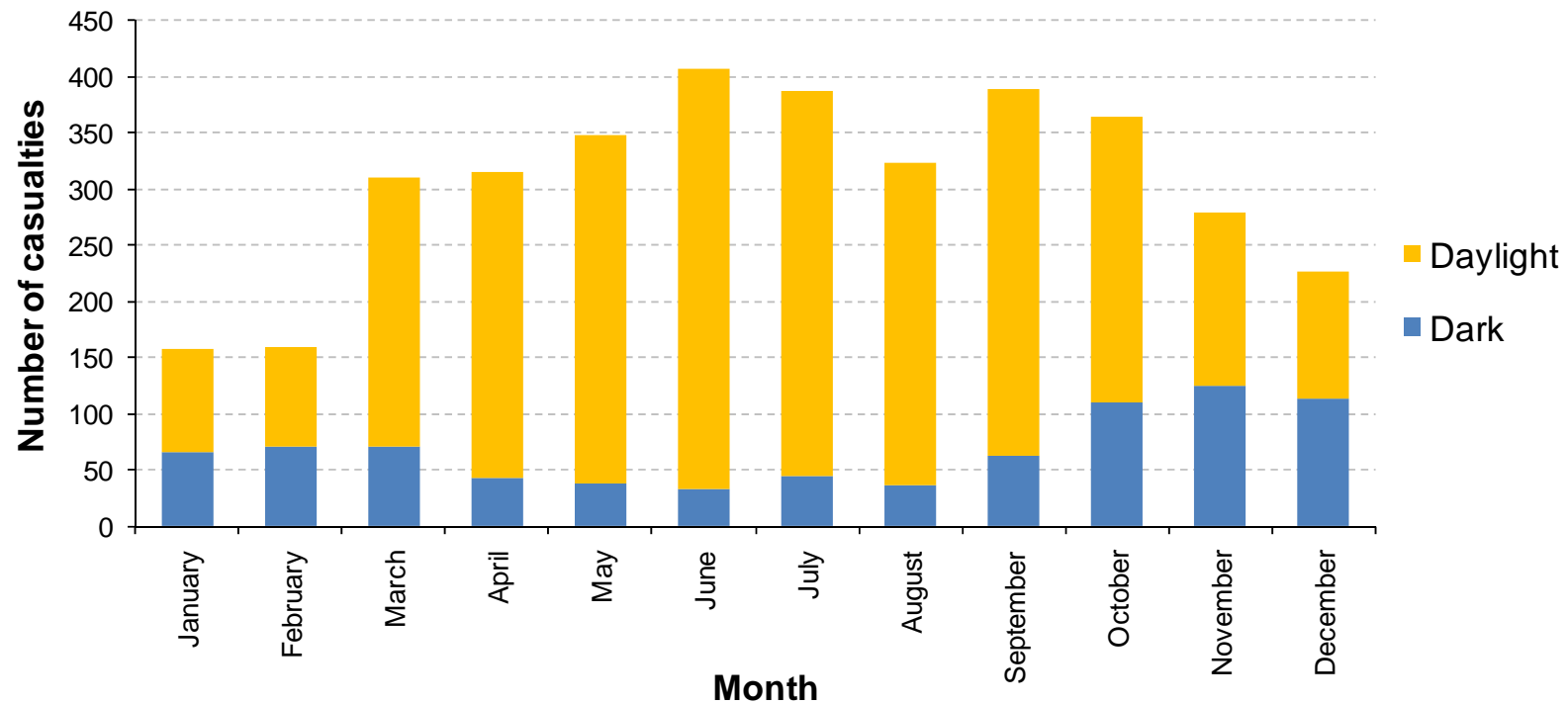


Source: ACCSTATS data 2009



When – month (2009)

Pedal cyclist casualties by month and light conditions in Greater London 2009



Source: ACCSTATS data 2010



Commonly occurring conflicts for collisions resulting in serious injury to cyclist between (2007 and 2009)

- **P/C and other vehicle travelling alongside** [54 to 22, 12% to 5%]
- **Other vehicle turns right across path of P/C from opposite direction** [53 to 47, 12% to 11%]
- **Other vehicle turns left across the path of P/C** [38 to 31, 9% to 7%]
- **P/C hits open door of vehicle or swerves to avoid open door** [35 to 39, 8% to 9%]
- **Other vehicle disobeys junction control and turns right into path of P/C** [33 to 22, 7% to 5%]
- **Other vehicle fails to give way or disobeys junction control and collides with P/C** [28, 7%]
- **Other vehicle runs into rear of P/C** [24 to 26, 5% to 6%]
- **P/C rides off footway into path of other vehicle** [17 to 27, 4% to 6%]

(Extract from Table 12 of Pedal cyclist casualty Factsheets 2007 and 2009)



Types of conflicts - 2007

Type of conflict between cycle and other vehicle		Fatality		Seriously Injured		Fatal and serious injury combined	
		Vehicle Type		Vehicle Type		Total KSI	% KSI
		Goods	Other	Good	Other		
1	Fatal collisions between bicycle and good vehicle	8					
2	Close proximity collisions between cyclist and vehicle	7	0	30	102	139	32%
3	Other vehicle disobeys junction control	0	0	12	66	78	18%
4	Other vehicle turns right across the path of cycle	0	0	5	48	53	12%
5	Cyclist hits or swerved to avoid an open door of another vehicle	0	0	3	32	35	8%
6	Other vehicle runs into the rear of cycle	1	2	4	22	29	7%
7	Cyclist disobeys junction control	0	1	3	19	23	5%
8	Cyclist rides off the footway into path of vehicle on carriageway	0	1	2	15	18	4%
	Other	0	3	6	84	93	22%
		8	7	65	388	468	
Total		15		453			

Source: ACCSTATS data 2008



Types of conflicts - 2009

Type of conflict between cycle and other vehicle		Fatality		Seriously Injured		Fatal and serious injury combined	
		Vehicle Type		Vehicle Type		Total KSI	% KSI
		Goods	Other	Good	Other		
1	Fatal collisions between bicycle and good vehicle	7					
2	Close proximity collisions between cyclist and vehicle	7	3	17	66	93	22%
3	Other vehicle disobeys junction control	0	1	6	55	62	14%
4	Other vehicle turns right across the path of cycle	0	0	3	44	47	11%
5	Cyclist hits or swerved to avoid an open door of another vehicle	0	0	5	34	39	9%
6	Other vehicle runs into the rear of cycle	0	0	1	25	26	6%
7	Cyclist disobeys junction control	0	0	2	30	32	7%
8	Cyclist rides off the footway into path of vehicle on carriageway	0	1	1	26	28	6%
	Other	0	1	11	93	99	23%
		7	6	46	373	432	
Total		13		419			

Source: ACCSTATS data 2010



Types of conflicts – 2007 and 2009

Type of conflict between cycle and other vehicle		Fatal and serious injury combined	
		Total KSI	% KSI
2	Close proximity collisions between cyclist and vehicle	-46	-49%
3	Other vehicle disobeys junction control	-16	-26%
4	Other vehicle turns right across the path of cycle	-6	-13%
5	Cyclist hits or swerved to avoid an open door of another vehicle	4	10%
6	Other vehicle runs into the rear of cycle	-3	-12%
7	Cyclist disobeys junction control	9	28%
8	Cyclist rides off the footway into path of vehicle on carriageway	10	36%
	Other	6	6%
Total		-36	-8%

Source: ACCSTATS data 2008 and 2010



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