



LONDON FIRE BRIGADE

Life after LSP5

More questions than answers

42nd FRSUG – March 2015

More information than at any other time

- London Safety Plan 5
 - Judicial review
- Fire Facts
 - Incident response times 2013
 - Fires 2014

LSP5

- Savings of £29m
- The closure of 10 fire stations
- Reducing the number of fire engines (pumping appliances) by 14
- Redeploying five fire engines to different fire stations
- Reducing the number of fire rescue units (specialist rescue vehicles) from 16 to 14
- Reducing minimum crewing levels on fire rescue units from 5 firefighters to 4
- Reducing the number of firefighter posts by 552

25 supporting documents

- Sup 02 - Incident profiles
- Sup 03 - Historical data 1970 to 2011
- Sup 04 - 2030 incident projections
- Sup 05 - Targeting those most at risk from fire
- Sup 08 - Getting to emergency incidents as quickly as possible
- Sup 10 - Station workloads and capacity
- Sup 11 - Fire service modelling
- Sup 13 - Three year headline targets 2013 - 2016
- Sup 22 - Ward impacts of changes to fire stations and engines
- Sup 24 - Third fire engine attendance time performance
- Third appliance response times by wards

<http://www.london-fire.gov.uk/LSP5-supporting-documents.asp>

No-one believed us!!

- FBU vs LFB; Seconds count
- Paradoxical messages
 - Fire Kills!! Be safer from fire!
 - But you're safer now than you've ever been?
- Perceptions of hazard v risk
 - Public consultation; building specific issues, but no understanding of incident frequency (eg prisons)
- No-one else should be responsible

Consultation themes

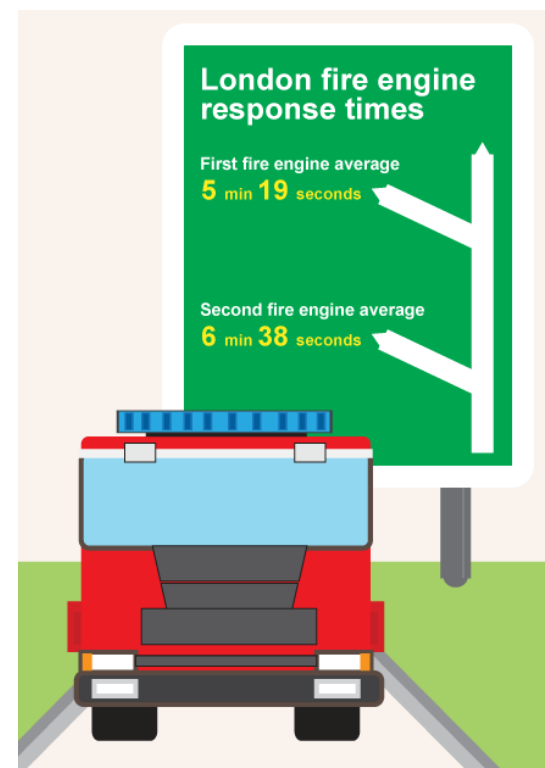
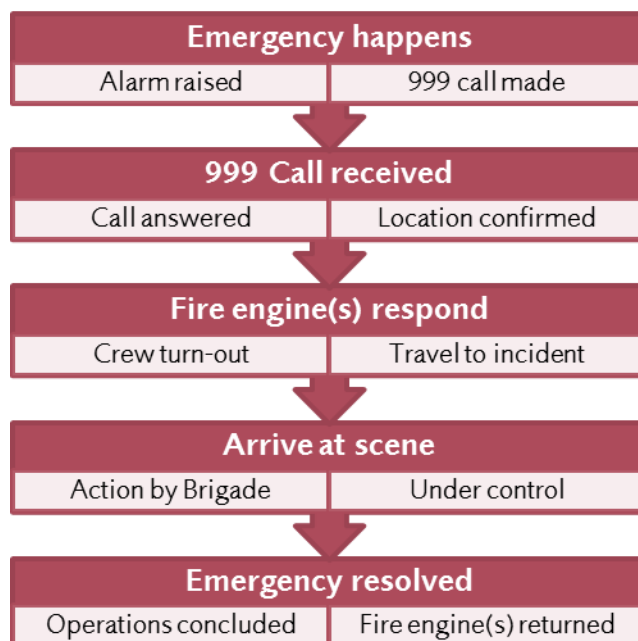
- High rise
- Third appliance times
- Measuring attendance times
 - Getting to work
- Ward level times
- Profile and heritage
 - Shard, museums

Solution? More information!

- Fire Facts
 - Incident response time
 - Fires
 - More...
- Annual assessment of risk
 - Ward profiles

Incident response times 2013

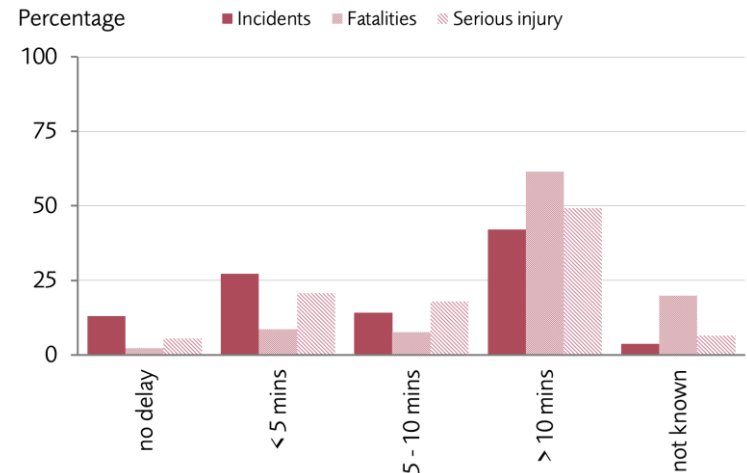
<http://www.london-fire.gov.uk/responsetimes.asp>



Delay in calling the fire brigade

Delay between fire start and 999 call (Table 2.1)

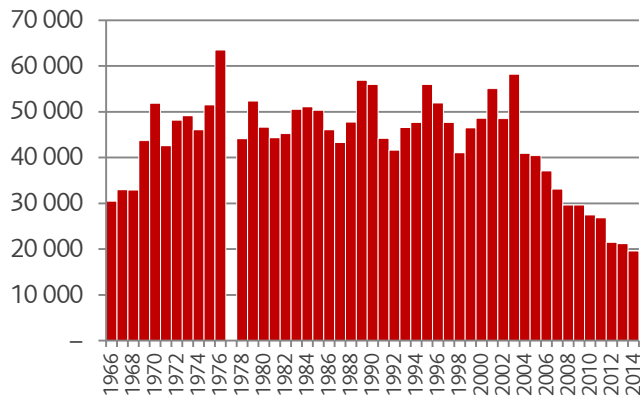
- 13 per cent of fires in the home discovered immediately
- In over 40 per cent of occasions, the delay between discovering the fires and calling 999 is more than 10 minutes (42 per cent).
- Speed of response vs outcome correlation
- 48.70 vs 49.09 [0.39]
 - First appliance performance increase by 13 seconds to an average of 5m: 33s.
 - Second appliance performance increase by 10 seconds to an average of 6m: 32s.



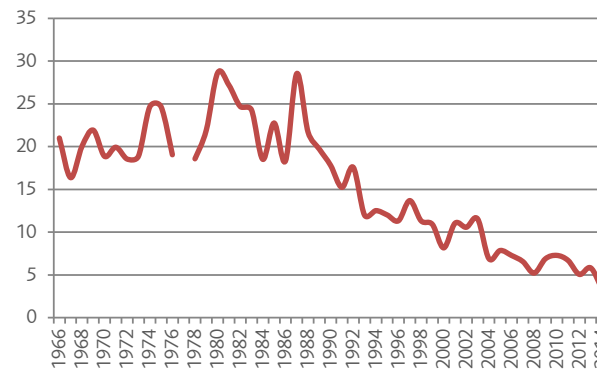
Fires – how safe is safe?

- All fires down 64%; Fire death rate down 75%

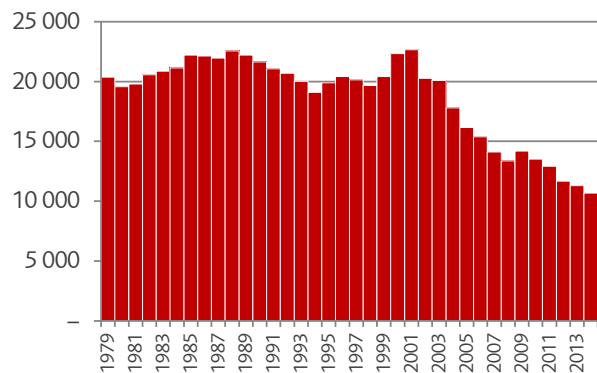
Total number of fires in Greater London



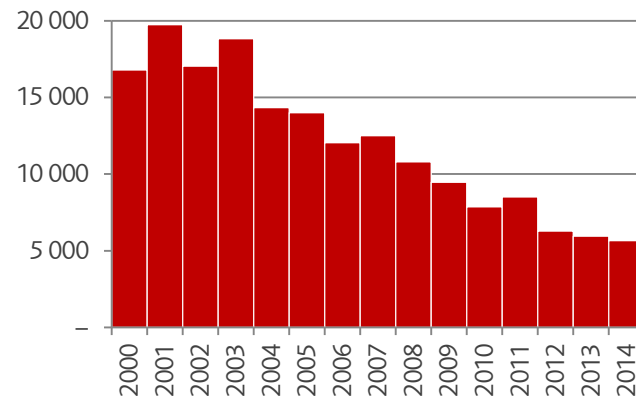
Fire related fatalities per million resident population (since 1966)



Number of primary fires (since 1979)

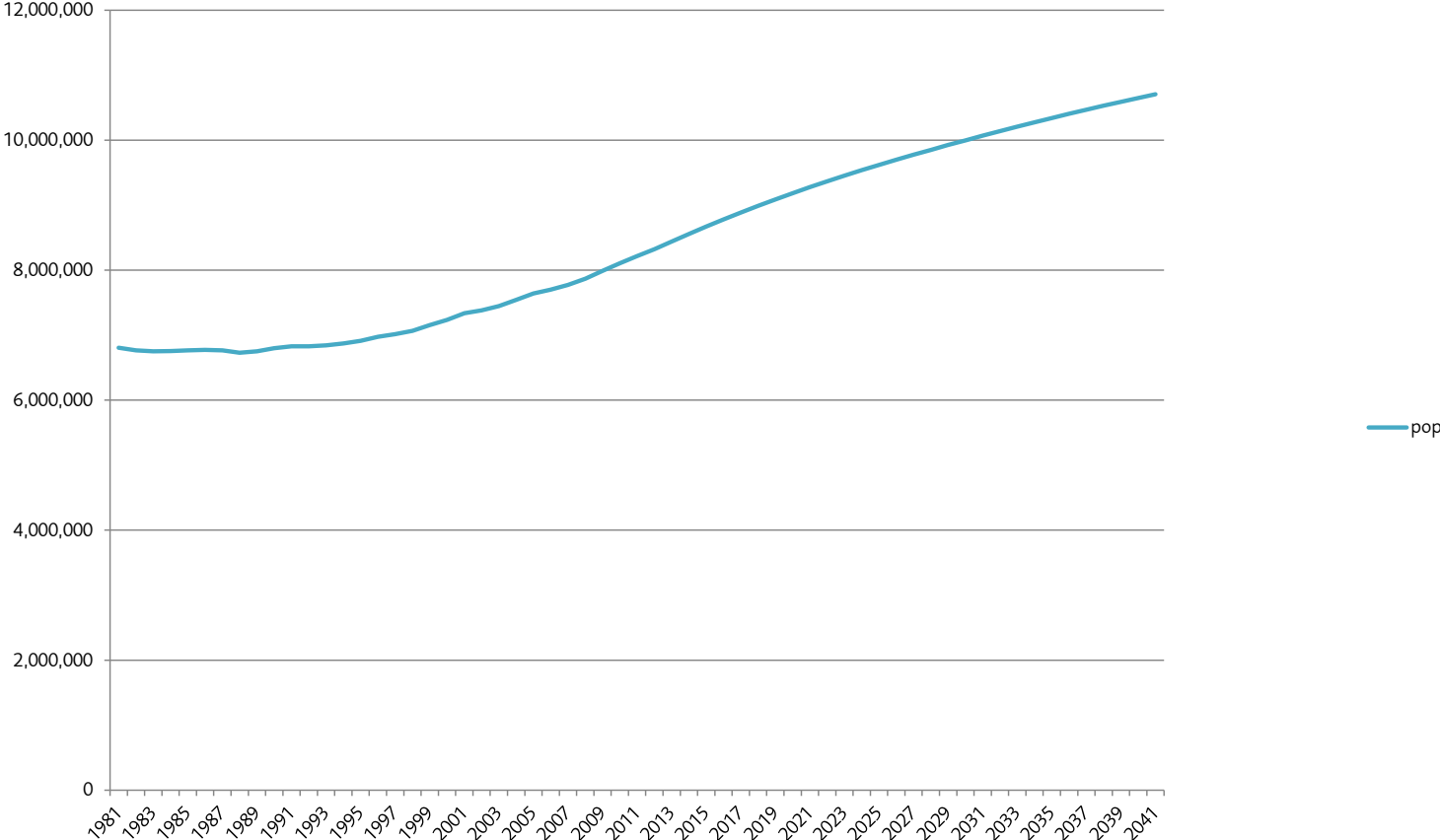


Fires involving rubbish (since 2000)



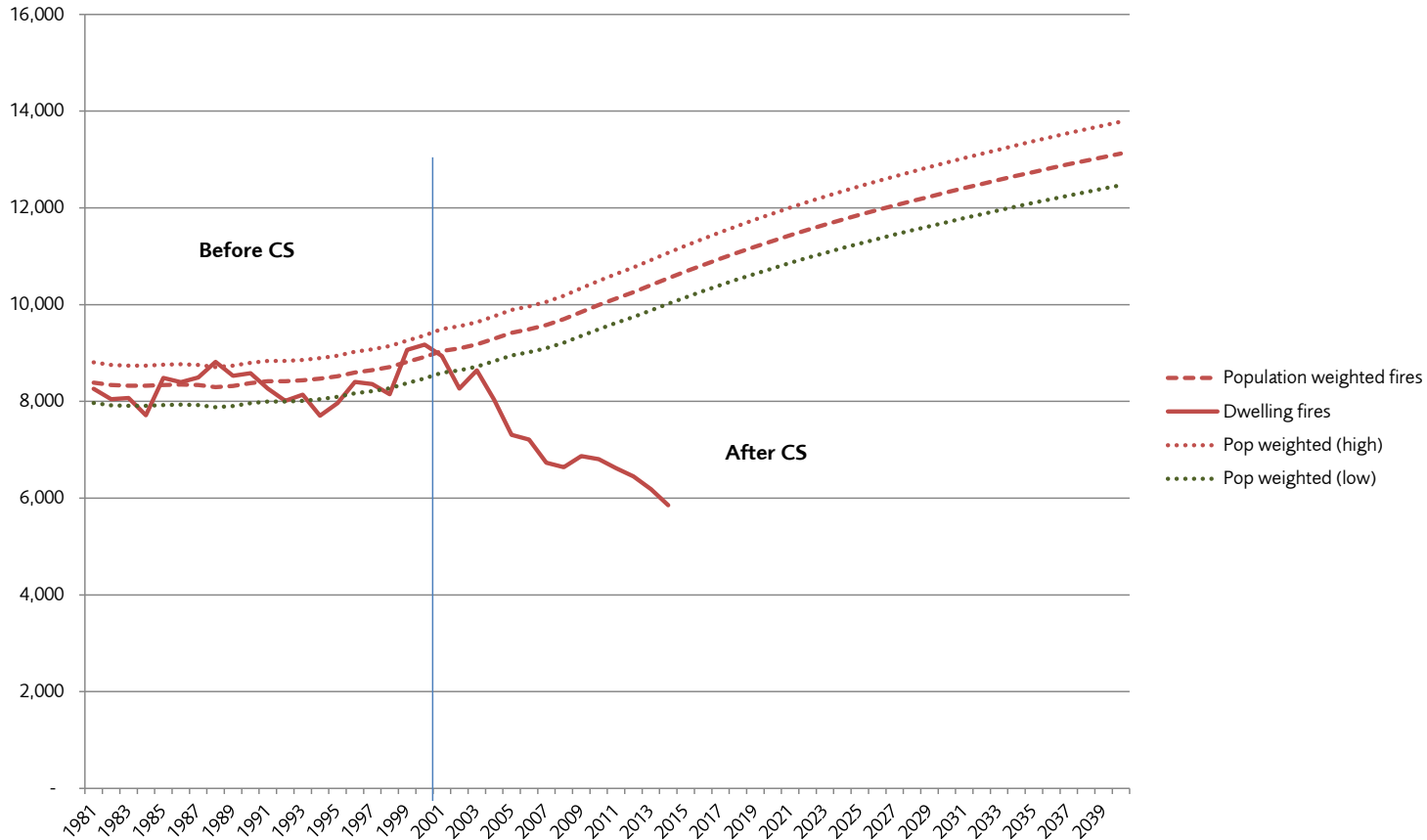
Impact of population change

Population impact on dwelling fires



Impact of population change

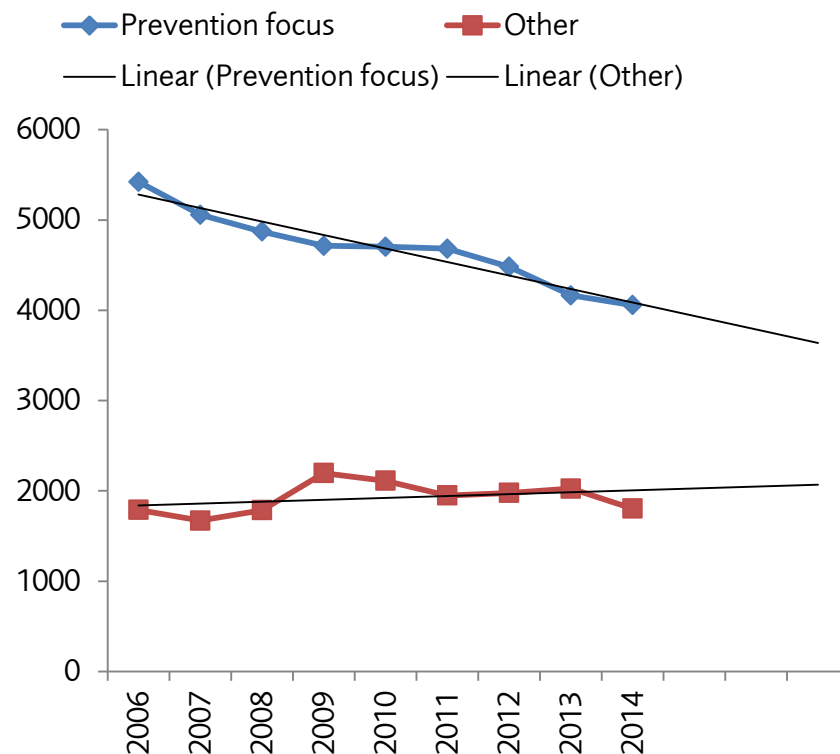
Population impact on dwelling fires



Focus of prevention work

Prevention focus	4483	4165	4057
Other	1977	2026	1805

Source of ignition	2012	2013	2014
Cooking appliance	2775	2644	2653
Faulty Appliance or Supply	1523	1511	1367
Smoking related	616	609	517
Matches and candles	471	396	403
Naked flame	342	269	257
NULL	210	236	234
Heating equipment	157	121	107
Electric lighting	107	118	98
Other domestic style appliance	99	103	98
Fuel/Chemical	70	62	48
Electricity supply	39	58	32
Industrial equipment	25	34	23
Fireworks	23	23	22
Bombs and explosives	3	5	
Office equipment		1	3
Vehicles only		1	
Grand Total	6460	6191	5862



Hot topics!

- Ducting fires
- e-cigarettes
- Phone chargers
- Beds in sheds
- Care homes and sheltered housing

- How to spot trends within existing categorisation?

LSP 5 impacts

	2013	2014	change
Incidents	103,054	96,078	-7%
Fires	21,158	19,621	-7%
Special Services	31,155	28,922	-7%
False Alarms	50,741	47,535	-6%
1st pump*	05:19	05:31	00:12
2nd pump*	06:39	06:55	00:16
3rd pump*	08:00	08:31	00:31
Fire deaths (NI49)	49	29	-41%
ADF deaths	34	24	-29%

*with 14 pumps absent for EFCC

Questions...

- What is the true impact of speed of response?
- How safe is safe?
- What are the drivers for fire service capacity?
- How to spot trends in fire types?