

Crowborough







Plime Kiln Oast

Poundfield 3/

Old Lo Warren

Blackness



Sweethaws

Lotmans Em

Station Risk Profile

Contents

Crowborough Station Area – Headline Summary	3
Overview	6
Population Demographics	7
Household Demographics	10
Census 2011 Household Breakdown	10
Mosaic Public Sector Household Breakdown	11
Incidents	15
Incidents occurring within Crowborough Station Area	15
Incidents to which Crowborough appliance(s) were mobilised	31
OTB attendances into Crowborough (where ESFRS did not attend)	36
Standby cover moves	38
Special Appliances	39
Prevention – Home Fire Safety	41
Protection – Business Safety	42
Developments	44
Road Risk	45
Water Risk	47
Heritage Risk	49
Environmental Risk	50
Special Risk (Operational Risk)	51
Site-Specific Risk Information (SSRI)	51
High-Rise Risk	51
Special Risk	51
Over border risks	51

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Crowborough Station Area – Headline Summary



- Crowborough station area covers approximately 102 sq. km.
- Surrounding area is predominately rural, Crowborough town is large affluent urban / sub-urban settlement.
- Area is within High Weald area of outstanding natural beauty, and on edge of Ashdown Forest.
- Operational cover provided by two fire engines crewed by wholetime and on-call firefighters.



- 27,416 residents within Crowborough station area.
- A net increase of 1,378 since 2011 Census.
- Low population density, concentrated in Crowborough town.
- Lower proportions of young adults than ESFRS average.



- 92% of households are within attendance standards.
- 60% below average fire risk (socio-demographic).
- 872 households are outside day-time attendance standards, 457 at night high proportion in north of station area.
- Twice the proportion of detached housing than ESFRS average.
- Lower proportion of rented accommodation than ESFRS average.
- Half of households have at least 2 spare bedrooms.
- Very affluent area, many neighbourhoods in top 10% least deprived nationally.

Station area

- Number of incidents remained static over 9 years.
- There are 213 incidents per year within Crowborough station area; 2nd least busy day-crewed area.
- 57% during the day. 90% of day-time incidents outside attendance standards isochrones. 94% of night-time incidents within standard.
- Proportionally twice as many RTCs in area than ESFRS average.
- 20 life-risk incidents per year. 57% critical incidents during day.
- Crowborough 8th highest for numbers of injuries/rescues in ESFRS.
- Attendance times, on average, slightly quicker than other day-crewed station areas.
- **4:40** minute delay between 1st & 2nd appliance for fire incidents similar to other day-crewed areas, **1min** longer for RTC incidents.
- 74% of incidents are attended by a single appliance.
- 46% of 2nd pump attendances were by 83P4, 15% 84P1, 13% 83P1,
 6% OTB.
- 2 level 3 and 5 level 4 incidents within last 9 years of review period.



Station appliance(s)

83P1

- Turn-out time is **01:59** on station, and **05:20** on call. Both turnout times increased over time period.
- 15% reduction in mobilisations over 9 years.
- Mobilises 290 times per year 68% in own area, 8% in Uckfield,
 7% in Mayfield area, 4% OTB.
- Attends 5% more fires and 7% fewer false alarms than ESFRS.
- Mobilises to **34** critical incidents per year **65%** in own area, **11%** in Uckfield, **8%** in Forest Row area, **8%** Mayfield.
- Attendance standard met 55% within 10mins, 84% within 15mins.
- 99.7% availability in 2017/18.

83P4

- 54% reduction in mobilisations over 9 years.
- Average turnout time is **06:34**.
- Mobilises **54** times per year **73%** in own area, **6%** in Mayfield area, **4%** in Uckfield, **3%** OTB.
- Mobilises to 9 critical incidents per year 70% in own area, 7% in Mayfield, 5% in Lewes area.
- Attendance standard met 83% of the time (100% critical).
- 62% availability in 2017/18. Low availability between 8am-6pm (43%).

Standby moves

- 18 cover moves per year, upward trend, with large increase from 2015/16 onwards – 50% in Uckfield, 31% in Crowborough, 9% OTB.

Special Appliances

83M1 (Landrover L4T)

- **58%** decline in mobilisations, average **88** mobs per year (2013-18), didn't arrive **47%** of occasions. **29%** of mobilisations OTB.

83M1 (Animal Rescue Unit)

- **58%** decline in mobilisations, average **78** mobs per year (2013-18), didn't arrive **48%** of occasions. **32%** of mobilisations OTB.

83B1 (Swift Water Rescue Boat)

- 83B1 mobilised on **5** occasions during 9 years.

83T1 (Swift Water Rescue Support Vehicle)

- 83T1 mobilised on 5 occasions during 9 years.



- 1,188 Home Safety Visits to unique properties undertaken
- 24% of households have had HSV.



- 11% of commercial properties are outside attendance standards.
- 10 Business Safety Audits per year, 47% of which are to hotels.
- 2 Hospitals, 20 Care Homes & 1 Hostel in area.



- No major large scale developments allocated in area.



- 2nd highest amount of roads in rural area (behind Uckfield) (4th highest in ESFRS).
- **61** KSI collisions per year. Proportion of serious/fatal collisions **4.4%** higher than ESFRS.
- 18 collisions outside attendance standards isochrones.



- 246km of rivers (6.3% of ESFRS Rivers). Ranks 8 out of 24 areas.
- Proportionally fewer primary and secondary, but more tertiary rivers in station area.



- 219 listed buildings (1 Grade I). 60% in attendance standard isochrones. Withyam Parish Church outside (Grade I).
- Many grade II buildings in north of area outside isochrones.



- 6 SSSI sites, 1 site outside isochrones Eridge Park
- Woodland throughout station area.



- **47** SSRIs (**15** Level 2, **32** Level 3)
- No COMAH sites in area.
- No high-rise properties within area
- Tunbridge Wells 6km to north, required to standby occasionally.

Overview

Crowborough Station Area covers an area of approximately 102 square kilometres, predominantly rural in nature with urban and sub-urban neighbourhoods in Crowborough town.

The population is concentrated in and around Crowborough itself, with a few small villages throughout the station area. The largest of which is Groombridge, a small village located on the border with Kent.

The Fire Station is located in the north of the town of Crowborough itself, on the A26 which runs north from Lewes, through Maresfield and north up to Tunbridge Wells. Crowborough is the largest inland town in East Sussex with a population of around 20,000, it is located in the High Weald area of outstanding natural beauty and at the edge of the Ashdown Forest, meaning it is popular with walkers, cyclists and horse riders, and is an important area with regard to nature conservation. Approximately 6km to the north of the town, and bordering the station area is Kent and the town of Tunbridge Wells. The Oxted railway line runs through the station area, the line runs north from Uckfield up to London.

Station Resources

Crowborough Community Fire Station is crewed by a combination of wholetime and on-call firefighters. They crew two pumping appliances, one specialised Landrover, an Animal Rescue Vehicle and a swift water rescue boat and support vehicle.

1 x Extended Rescue Pump (FJE83P1)

Volvo Extended Rescue Pump carrying a variety of ladders including a 12 metre ladder, 1800 litres water and a pump capable of supplying 2250 litres/min. It is a multi-purpose appliance carrying a large amount of equipment including dedicated hydraulic rescue tools, water safety and rescue equipment, oxygen, etc.

1 x Water Tender (FJE83P4)

Multi-purpose appliance that carries both firefighting and rescue equipment. It carries 1800 litres of water and a pump that can deliver 2250 litres of water per minute. This vehicle also has additional water rescue equipment.

1 x Animal Rescue Unit (FJE83M2)

A Purpose built Mercedes Unimog 4×4 off road appliance designed to provide assistance with animal rescues. Fitted with a Hydraulic Crane (Hiab 060) capable of lifting Farm animals from open water, ditches etc. Also equipped with Floating Rescue Paths for use at incidents such as Mud Rescues and 2 demountable pods carrying animal and water rescue equipment.

1 x Landrover L4T (FJE83M1)

Landrover 4 x 4 Forest wildfire firefighting vehicle, this particular vehicle has 2 seats and extra capacity water tank.

1 x Swift Water Rescue Boat (FJE83B1)

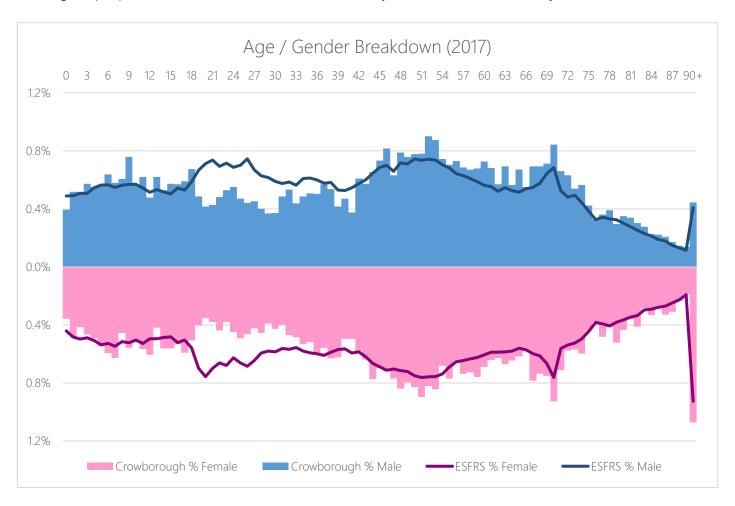
1 x Swift Water Rescue Support Vehicle (FJE83T1)



Population Demographics

The population in Crowborough is slightly older than the ESFRS average, with slightly higher proportions of persons aged over 50, and fewer persons aged 18-49, there are however slightly greater proportions of persons under 18.

The biggest difference is in the proportion of young adults, with 3% fewer persons aged 18-24yrs and 3.5% fewer aged 25-49. There are slightly higher proportions of all aged groups aged over 50, with around 2% more 50-64yrs, 2% more 65-79yrs, 0.7% more 80-89yrs and 0.2% more over 90s. Furthermore, there are also higher proportion of children, with 0.3% more 0-9yrs, and 0.6% more 10-17yrs.



		2017 population estimates - % Within Area							
	0 to 9	10 to 17	18 to 24	25 to 49	50 to 64	65 to 79	80 to 89	Over 90	Total
C	2,932	2,439	1,775	7,580	5,971	4,781	1,522	416	27,416
Crowborough	(10.7%)	(8.9%)	(6.5%)	(27.6%)	(21.8%)	(17.4%)	(5.6%)	(1.5%)	21,410
ESFRS	87,510	69,516	79,643	261,272	163,673	126,538	41,043	11,219	840,414
	(10.4%)	(8.3%)	(9.5%)	(31.1%)	(19.5%)	(15.1%)	(4.9%)	(1.3%)	040,414

In addition to population estimates by age-group, ESFRS hold specific records of GP-registered 65+ years. This data is provided annually to all Fire & Rescue Services in England by the NHS through a national Information Sharing Agreement, and enables FRSs to prioritise resources to target those most at risk. This data is often referred to as the 'Exeter Data'.

The following table summarises the numbers of 65+yrs (and 80+yrs) in the Crowborough station area and the proportion that fall inside the attendance standard isochrones. For the sake of privacy, these have not been included as a map.

It can be seen that around 93% of 65+ year olds are within the attendance standard isochrones, rising to 97% at night. This ranks Crowborough 17 out of the 24 stations (or 4 out of the 6 day crewed station areas), due to the dispersion of the population throughout the area.

Exeter Data: GP-registered 65+ year olds in Crowborough Station Area

	Station Admin Area	No. of persons	% in Att. Std. Isochrone (Day)	% in Att. Std. Isochrone (Night)
65+ Yrs	Crowborough	6,690	92.9	96.6
03+ 118	ESFRS	179,534	96.5	97.2
00 . Vra	Crowborough	1,860	91.6	95.3
80+Yrs	ESFRS	51,372	96.8	97.4

Crowborough has a lower population density compared with the rest of the service, with 2.7 persons per hectare compared to an ESFRS average of 4.7. Crowborough is ranked (out of 24) as the 12th most densely populated station area in the service area. Although Crowborough is less densely populated than the rest of the service, it is more densely populated than most of the other rural areas in the service, this is due to the size and composition of Crowborough town itself. The area's population increased by 1,378 from 2011-2017, based on the 2011 census and 2017 estimates, which resulted in the population density increasing by 0.2 persons per hectare.

	Population Density (number of persons per hectare)									
Area Size (Hectares)	All usual residents (2011)	Population Estimate (2017)	Density 2011	Density 2017	Change 2011-17	Rank in ESFRS 2017	ESFRS Average 2011	ESFRS Average 2017		
10,247	26,038	27,416	2.5	2.7	0.2	12	4.5	4.7		

The general health in Crowborough can be seen as slightly better than the ESFRS average. Proportionally, there are 4% more persons with 'very good health', 1.6% fewer with 'bad health', and 0.5% fewer with 'very bad health'.

		General Health - Persons (2011) - % Within Area							
	Very good health	Good health	Fair health	Bad health	Very bad health	Total			
Crowborough	13,028	9,126	2,959	716	209	26,038			
Crowborough	(50%)	(35%)	(11.4%)	(2.7%)	(0.8%)	20,030			
ESFRS	365,370	279,665	110,093	34,749	10 162 (1 20/)	000 040			
	(45.7%)	(35%)	(13.8%)	(4.3%)	10,163 (1.3%)	800,040			

The proportion of people in Crowborough whose day-to-day activities are 'limited a lot' is 2.5% lower than the ESFRS average, this is also the case for persons who are –limited a little', with a 1.5% lower proportion in Crowborough compared to the rest of the service. The converse of which is that proportionally, 4% more of the population are not limited in Crowborough, compared to the service average.

	Day-to-day activities limited - Persons (2011) - % Within Area Limited a lot Limited a little Not limited Total						
Crowborough	1,593 (6.1%)	2,336 (9%)	22,109 (84.9%)	26,038			
ESFRS	68,688 (8.6%) 83,026 (10.4%) 648,326 (81%) <mark>800</mark>						

The economic activity in Crowborough is mostly similar to the rest of the service, with similar levels of full/part-time employees, and slightly higher proportions of self-employed. There are proportionally 1% fewer unemployed, 2% fewer long term sick/disabled and around 6% fewer students in Crowborough compared to the rest of the service. Furthermore, there are 1.7% more retired and 0.6% more persons looking after home/family, in Crowborough compared to the rest of ESFRS.

Econom	nic Activity - A	All usual residents aged 16 to 74 (2011)	Crowborough	ESFRS
		Employee	2,695 (14.4%)	82,644 (14.1%)
	Part-time	Part-time Self-employed without employees		22,199 (3.8%)
act		Self-employed with employees	93 (0.5%)	2,591 (0.4%)
Economically active		Employee	6,906 (36.9%)	201,532 (34.4%)
mić	Full-time	Self-employed without employees	1,419 (7.6%)	40,181 (6.9%)
IOU		Self-employed with employees	499 (2.7%)	12,514 (2.1%)
Eco		Un-employed	478 (2.6%)	21,321 (3.6%)
		Full-time student	528 (2.8%)	22,823 (3.9%)
<u>></u>		Retired	3,078 (16.5%)	86,361 (14.8%)
ical		Student (including full-time students)	545 (2.9%)	35,446 (6.1%)
onomica inactive		Looking after home or family	843 (4.5%)	22,914 (3.9%)
Economically inactive		Long-term sick or disabled	395 (2.1%)	24,201 (4.1%)
ш		Other	384 (2.1%)	10,583 (1.8%)
		Total	18,695	585,310



Household Demographics

Census 2011 Household Breakdown

There is nearly twice the proportion of detached housing in Crowborough (49%) compared to the rest of the service area (25%), there are also proportionally 3.5% more semi-detached houses/bungalows in Crowborough when compared to the ESFRS average. There are 9% fewer terraced houses/bungalows, 8% fewer purpose built flats, and 9% fewer converted flats in Crowborough compared to the rest of the service.

	Unshared Dwelling								
	Detached House / Bungalow	Semi- detached House / Bungalow	Terraced House / Bungalow	Flat - Purpose Built	Flat - Converted	Flat - commercial building	Caravan / other temporary structure	Shared Dwelling	Total
Crowboro'	5,177 (49.3%)	2,781 (26.5%)	1,060 (10.1%)	1,109 (10.6%)	256 (2.4%)	84 (0.8%)	18 (0.2%)	10 (0.1%)	10,495
ESFRS	87,989 (24.9%)	81,338 (23%)	67,556 (19.1%)	66,813 (18.9%)	39,736 (11.2%)	5,167 (1.5%)	1,236 (0.3%)	3,610 (1%)	353,445

Crowborough has proportionally 1.5% fewer lone pensioners, and 1.4% fewer lone parents when compared with the rest of the service. There is one all full time student household in the station area.

	Household Composition - Households (2011)						
	Lone Pensioner All full-time Lone parent with						
	(65+)	students	dependent children	Households			
Crowborough	1,382 (13.2%)	1 (0%)	530 (5.1%)	10,495			
ESFRS	52,103 (14.7%)	3,224 (0.9%)	22,980 (6.5%)	353,445			

Proportionally there are 7% more households owned outright, and 7% more mortgaged households in Crowborough compared to the rest of the service area. Furthermore, there are fewer rented households. Specifically, there is half the proportion of private rented from private landlord/letting, in Crowborough (10%) compared to the service average (20%). Additionally, there are also proportionally fewer social rented households in Crowborough, with 2% fewer renting from the council and 3% fewer from other landlords, when compared to the service averages.

		Household Tenure - Households (2011)									
	Ow	Owned		Social r	Social rented:		Private rented:				
	Outright	Mortgage or loan	Shared ownership	Rented from council	Other	Private landlord or letting agency	Other	Living rent free	Total		
Crowborough	4,192 (39.9%)	4,015 (38.3%)	132 (1.3%)	490 (4.7%)	357 (3.4%)	1,028 (9.8%)	129 (1.2%)	152 (1.4%)	10,495		
ESFRS	116,373 (32.9%)	108,974 (30.8%)	2,540 (0.7%)	22,903 (6.5%)	20,884 (5.9%)	71,980 (20.4%)	5,159 (1.5%)	4,632 (1.3%)	353,445		

The table below shows the number of spare bedrooms in a household, this can indicate overcrowding. Crowborough isn't an overcrowded area, with half (49%) of all households having at least 2 spare bedrooms, this is 18% higher than the service average of 31%. Furthermore, there are also 1.6% fewer households with a -1 occupancy rating (one too few bedrooms), and 0.2% fewer with a rating of -2 (2 or more few bedrooms).

		Occupancy Rating (Spare Bedrooms) - Households (2011)						
	Under-c	occupied	Standard	Overcro	owded	Total		
	+2 or more	+1	0	-1	-2 or less	Total		
Crowborough	5,188	3,080	1,996	207	24	10,495		
Crowborough	(49.4%)	(29.3%)	(19%)	(2%)	(0.2%)	10,493		
ESFRS	108,549 (30.7%)	121,288 (34.3%)	109,429 (31%)	12,863 (3.6%)	1,316 (0.4%)	353,445		

Mosaic Public Sector Household Breakdown

Mosaic Public Sector, published by Experian, is a socio-demographic classification system covering the whole of the United Kingdom. It provides an accurate and comprehensive view of citizens and their needs by describing them in terms of demographics, lifestyle, culture and behaviour. Over 850 million pieces of information across 450 different data points are condensed using the latest analytical techniques to identify 15 summary groups and 66 detailed types that are easy to interpret and understand.

There are 11,193 households within Crowborough station admin area,. these are broken down by the 15 summary Mosaic Lifestyle groups as shown below.

Mosaic Lifestyle Group	Crowborough	%	ESFRS	%
A - Country Living	1,644	14.7	30,907	8.5
B - Prestige Positions	3,307	29.5	27,774	7.6
C - City Prosperity	0	0.0	21,862	6.0
D - Domestic Success	1,234	11.0	27,215	7.5
E - Suburban Stability	864	7.7	24,684	6.8
F - Senior Security	1,154	10.3	39,762	10.9
G - Rural Reality	527	4.7	17,553	4.8
H - Aspiring Homemakers	927	8.3	24,898	6.8
I - Urban Cohesion	22	0.2	14,427	4.0
J - Rental Hubs	265	2.4	50,913	14.0
K - Modest Traditions	136	1.2	10,777	3.0
L - Transient Renters	227	2.0	13,853	3.8
M - Family Basics	314	2.8	20,841	5.7
N - Vintage Value	510	4.6	26,701	7.3
O - Municipal Challenge	62	0.6	11,485	3.2
Total	11,193	100	363,652	100

The predominant Mosaic groups describe 'Well-off owners in rural locations enjoying the benefits of country life', and 'Established families in large detached homes living upmarket lifestyles. The top 3 Mosaic Types within Crowborough Station area are:

<u>A03 Wealthy Landowners</u>: Prosperous owners of country houses including the rural upper class, successful farmers and second-home owners.

<u>B05 Empty-Nest Adventure</u>: Mature couples in comfortable detached houses who have the means to enjoy their empty-nest status

<u>B09 Diamond Days</u>: Retired residents in sizeable homes whose finances are secured by significant assets and generous pensions

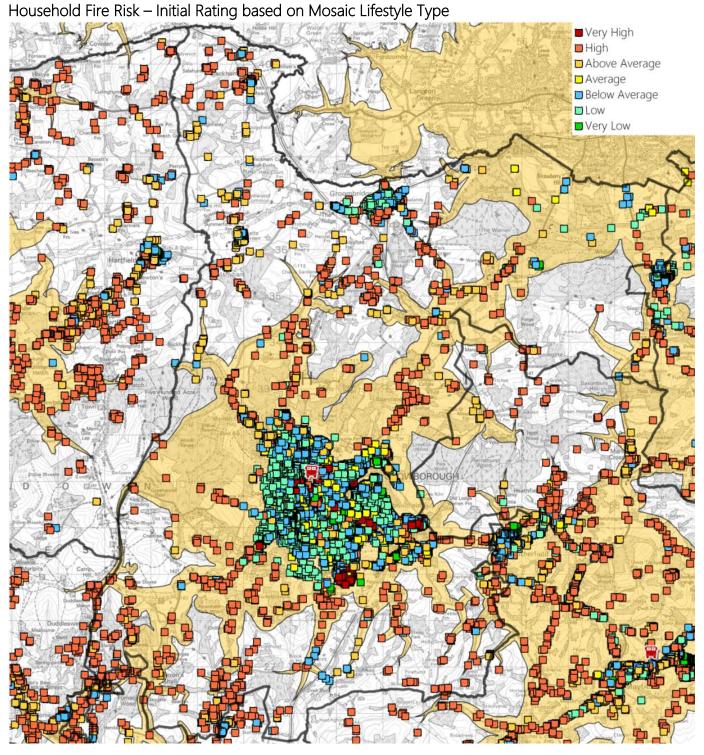
These 3 types of household have had few dwelling fires over the past 9 years and, compared to the base population, have a lower propensity to having a dwelling fire – they have 25-48% fewer dwelling fires than one would expect. The map below shows the dispersal of households across the station area.

Households in Crowborough Station Admin area by Mosaic Lifestyle Group A Country Living B Prestige Positions C City Prosperity D Domestic Success E Suburban Stability F Senior Security G Rural Reality H Aspiring Homemakers I Urban Cohesion J Rental Hubs K Modest Traditions L Transient Renters M Family Basics N Vintage Value O Municipal Challenge

The map below shows the dispersion of mosaic households, classified by their initial fire risk rating, which is based on a combination of the number of fires and propensity to having a fire within each mosaic type. Those that have historically had a higher prevalence of and/or higher likelihood to having a fire are ranked higher. The risk rating is a relative risk and is a useful way to show socio-demographic risk, in the absence of additional risk information that ESFRS glean from other sources.

Households in Crowborough Station Admin area by Initial Fire Risk Rating

Station Area	Very High	High	Above Average	Average	Below Average	Low	Very Low	Total
Crowborough	809	1,415	1,379	914	2,752	3,326	598	11,193
Crowborough (%)	7.2%	12.6%	12.3%	8.2%	24.6%	29.7%	5.3%	100%
ESFRS (%)	18.4%	21.7%	11.5%	13.9%	17.2%	13.0%	4.3%	100%



Station Admin Area	Very High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%	High	Within Att. Standard (Day)	%	Within Att. Standard (Night)	%
Crowborough	809	809	100.0	809	100.0	1,415	1,095	77.4	1,265	89.4

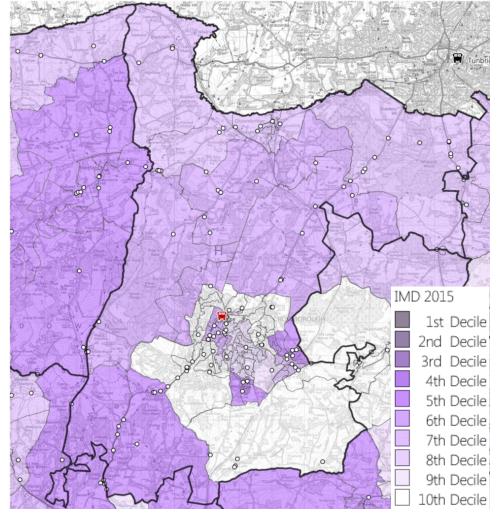
Overall, 92% of households within Crowborough station area are within ESFRS attendance standards, for day and 96% at night. It can be seen that approximately 60% of households are deemed to represent a below average, low or very low fire risk. The Very High/High risk households represent 20% of households, all of the very high risk households fall inside the attendance standard isochrones, however 10% of the high risk households fall outside the standard – these are located throughout the station area, with a particular concentration in north of Crowborough.

Holiday Parks

There are no major holiday parks in Crowborough station area.

The following map shows the Index of Multiple Deprivation (2015) deciles. IMD deciles measure the relative deprivation of an area compared with the whole of England and Wales and takes 7 domains of deprivation into consideration, namely: Income, Employment, Education, Health, Crime, Barriers to housing & services & Living environment. There is a positive correlation between deprivation and the numbers of incidents to which ESFRS respond. i.e. the more deprived an area, the more incidents to which we respond to.

Index of Multiple Deprivation 2015 Deciles with 'Critical Incidents' (2013-18)



It can be seen that there are large number neighbourhoods around Crowborough and in the south of the station area are within the 10% least deprived nationally, and the majority of the station area is within the 30-40% least deprived nationally. The most deprived areas is still within the 6th decile, ie within the 50% top least deprived nationally.



Incidents occurring within Crowborough Station Area

The analysis of historical incidents has been split into two sections in order to identify both the geographic location of the incident and each fire appliance's incident activity. This section deals with historical incidents that have occurred within the geographical station area of Crowborough – irrespective of which appliance(s) were mobilised to the incident. This helps identify the types of incidents to which we have responded within Crowborough's area.

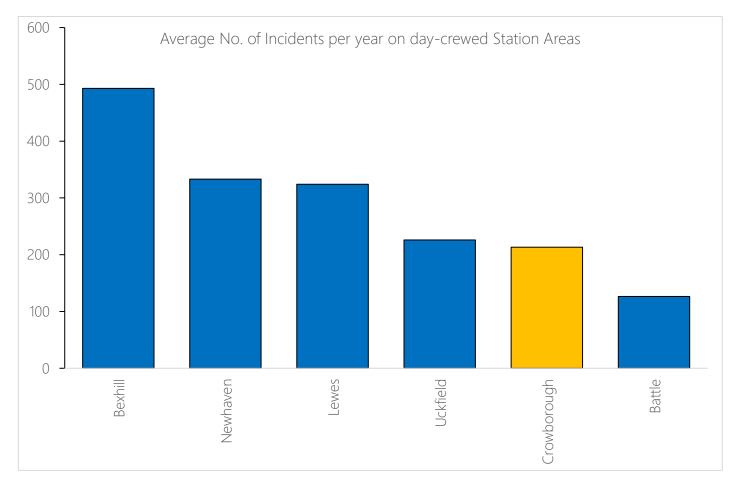
Over 9 years (Apr 2009 – Mar 2018), the number of incidents within Crowborough station area remained static, with a slight dip in 2015/16. However this is different to the general trend for ESFRS, as incidents have been decreasing, with an average decrease of 24% across the service.

No. of Incidents within Crowborough Station Area per year

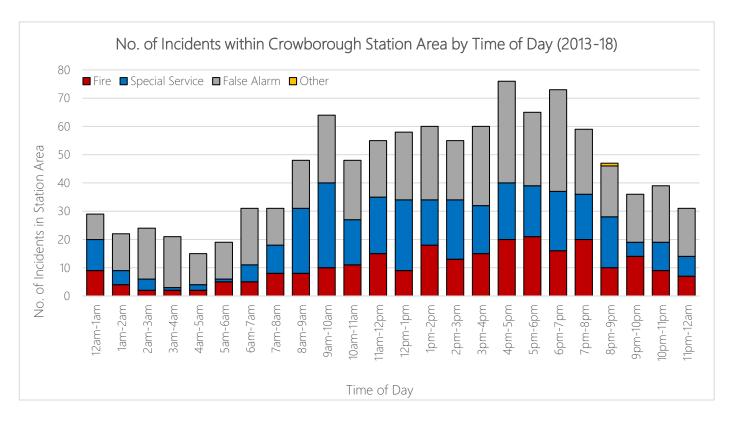
2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
243	248	226	202	206	212	185	224	239	1,985

Between 2013-18, there were 1,066 incidents within the Crowborough station area, which equates to an average of 213 incidents per year.

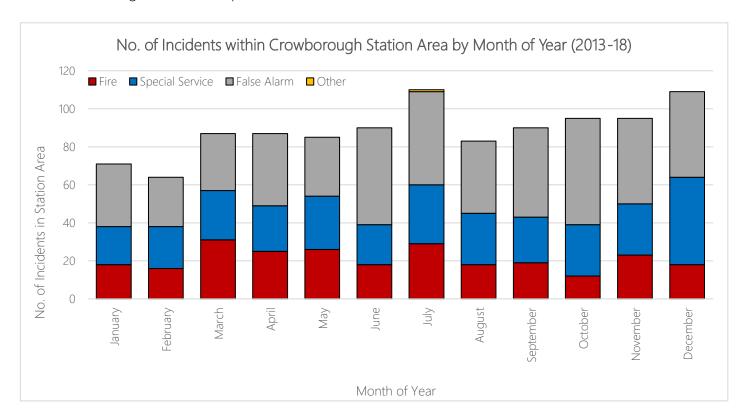
Crowborough station area ranks 12 out of all 24 geographical station areas in terms of the numbers of incidents occurring within its area. Comparing with the day-crewed station areas across ESFRS, Crowborough ranks 5th out of 6, making it one of the least busy areas covered by day-crewed station, as shown below.



The following charts show the distribution of incidents by time of day and month of year. The shape of these distributions follows a typical distribution. With an increase around 8-9am, and a peak in the afternoon/evening, before falling down again in the night. Crowborough, does however have a large number of incidents between 9-10am.



The ESFRS trend is to have more incidents during the summer months and fewer in winter. However in crowborough the distribution is more even throughout the year, with more incidents towards the end of year, and peaks in July and December. There is also a large number of fire incidents that have occurred in March, and a large number of special service incidents in December.



The following table illustrates the types of incidents that have occurred within Crowborough station area over the past 9 years. RTC incidents account for 10% of all incidents in Crowborough, which is twice the proportion as the service avearge (5%). However, there are proportionally 1% fewer dwelling fires, and 1% fewer secondary fires. But there are proportionally more chimney fires in Crowborough (3.5%) compared to the ESFRS average (1.6%).

No. of Incidents within Crowborough Station Area by Incident Type

Incident Type	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total	5yr Ave.	%	, ESFRS
Primary Fire - Dwelling	11	7	3	20	8	7	7	14	17	94	11	5.0	6.3
Primary Fire - Dwelling Primary Fire - Non Residential	6	9	2	4	1	4	5	7	3	41	4	1.9	2.1
Primary Fire - Other Residential	5	0	0	4	0	4	2	1	0	16	1	0.7	0.6
Primary Fire - Vehicle	4	9	7	8	11	7	5	4	11	66	8	3.6	2.7
Primary Fire - Outdoor	2	5	4	2	4	7	2	2	3	31	4	1.7	0.9
Chimney Fire	8	9	7	10	12	11	4	4	6	71	7	3.5	1.6
Secondary Fire	13	25	24	10	20	7	19	16	17	151	16	7.4	8.1
Fire - Classification Not Recorded	0	0	0	0	0	0	0	10	0	1	0	0.1	0.1
Special Service - Advice Only	2	0	0	2	1	0	0	0	2	7	1	0.1	0.1
Special Service - Advice Only Special Service - Animal assistance incidents	6	4	5	7	3	7	2	4	8	46	5	2.3	2.3
Special Service - Assist other agencies	1	0	1	3	3	4	5	6	15	38	7	3.1	1.7
Special Service - Assist Other agencies Special Service - Effecting Entry/Exit	3	3	5	3	6	3	6	8	3	40	5	2.4	3.9
Special Service - Evacuation (no fire)	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Special Service - Evacuation (no me)	4	5	5	7	9	5	4	4	3	46	5	2.3	4.2
Special Service - Hazardous Materials	0	3	0	0	0	0	1	1	1	6	1	0.3	0.3
Special Service - Lift Release	2	4	3	2	2	6	5	7	0	31	4	1.9	3.7
Special Service - Making Safe (not RTC)	1	0	3	0	6	2	9	2	3	26	4	2.1	1.8
Special Service - Medical Incident	1	1	0	0	0	1	0	3	4	10	2	0.8	0.2
Special Service - No action (not false alarm)	0	1	2	1	1	1	1	2	0	9	1	0.5	0.2
Special Service - Other rescue/release of persons	6	8	5	2	3	5	1	1	6	37	3	1.5	1.0
Special Service - Other Transport	0	2	0	0	1	1	3	0	0	7	1	0.5	0.3
Special Service - Removal of objects from people	0	1	1	0	1	3	2	2	2	12	2	0.9	0.5
Special Service - Removal of people from objects	0	0	0	0	1	1	0	1	1	4	1	0.9	0.0
Special Service - Rescue or evacuation from water	0	0	0	0	2	0	0	0	0	2	0	0.4	0.3
Special Service - RTC	28	18	20	19	18	24	18	15	30	190	21	9.8	5.1
Special Service - Spills and Leaks (not RTC)	3	10	3	2	0	0	3	4	1	17	2	0.8	1.1
Special Service - Stand By	0	1	0	0	0	0	0	0	0	17	0	0.0	0.0
Special Service - Stand By	1	1	1	0	0	1	0	0	0	4	0	0.0	0.0
Special Service - Julinown	0	0	0	0	0	0	0	3	0	3	1	0.1	0.1
Special Service - Water provision	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
<u>'</u>	95	94	83	68	69	-	56	97	74	716	75		
False Alarm - Apparatus False Alarm - Good Intent	38	34	42	25	22	80 21	25	13	26	246	21	35.3 10.0	34.6 13.6
False Alarm - Good Intent False Alarm - Malicious	3										1		1.3
False Alarm - Malicious False Alarm - Unknown	0	2	0	2	2	0	0	2	2	13		0.6	0.2
Other	0	0	0	0	0	0	0	0	0	3	0	0.0	
Grand Total	243	248	226	202	_	_	185	0 224	239	1,985	213	100	0.0

In addition to the above table, which breaks down fires by property type, special services by special service type and false alarms by false alarm type, the following table further breaks down false alarms by property type. It can be seen that Crowborough experience similar proportions to the rest of the service, however there are slighly more (4% more) false alrms in 'other residential' premises.

No. of False Alarms by Property Type (Apr 2013 - Mar 2018)

Property Type	Crowborough	ESFRS
Dwelling	235 (48.1%)	11,127 (49%)
Non-Residential	138 (28.2%)	6,612 (29.1%)
Other Residential	65 (13.3%)	2,181 (9.6%)
Outdoor	40 (8.2%)	1,762 (7.8%)
Outdoor Structure	1 (0.2%)	194 (0.9%)
Road Vehicle	5 (1%)	443 (2%)
Unknown	5 (1%)	377 (1.7%)
Total	489	22,696

The following table shows the number of critical incidents that occur within Crowborough station area over the past 9 years. This equates to an average of 20 incidents per year which result in a rescue or some form of injury (special service rescues (excl. RTCs) with no injury are not included in the calculation). Given that approximately 213 incidents occur within Crowborough area each year, this represents around 9.5% of incidents have some form of life risk, which is almost twice as high as the ESFRS average of 5.2%. Although small numbers, the trend is, overall, a upward one.

No. of Critical Incidents within Crowborough Station Admin Area

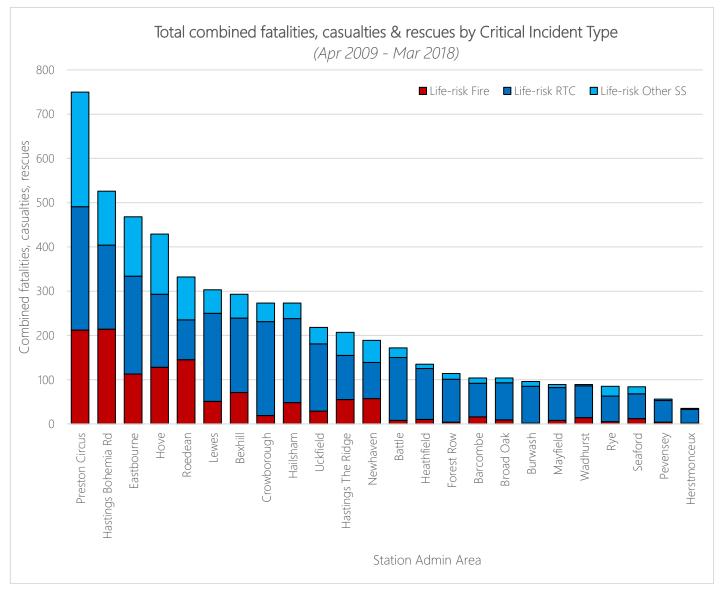
Critical Incidents	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Total
Life-risk Fire	0	2	1	5	1	4	0	1	2	16
Life-risk RTC	15	7	14	11	15	19	14	13	20	128
Life-risk Special Serv.	2	3	3	4	3	4	3	9	8	39
Total	17	12	18	20	19	27	17	23	30	183

The table below shows the actual numbers of fatalities, casualties and rescues recorded against each critical incident type over the past 9 years. It can be seen that 183 critical incidents have resulted in 273 injuries and/or rescues over the past 9 years (30 fatalities, casualties, rescues per year), thus each critical incident in Crowborough area gives rise to 1.49 casualties. This is higher than the ESFRS average of 1.26 casualties to every critical incident.

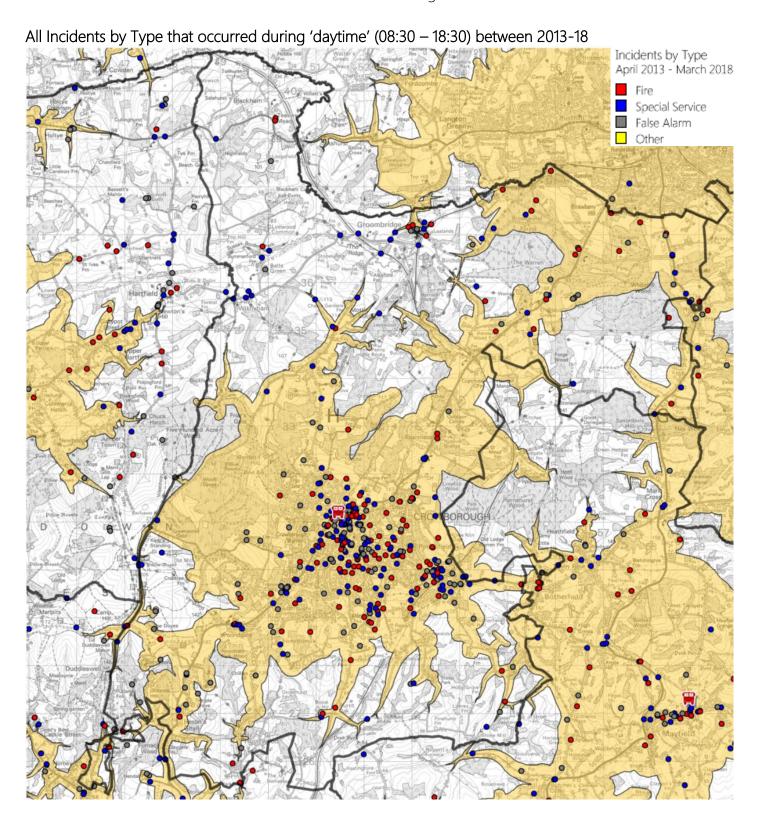
No. of fatalities, casualties and rescues within Crowborough Station Area (Apr 09 – Mar 18)

Casualty Severity	Fire	RTC	Other SS.	Total
Fatal Injury	0	9	7	16
Serious Injury	1	34	12	47
Slight Injury	8	103	13	124
First Aid/Prec. Check	7	48	9	64
Rescue (No Injury)	3	18	1	22
Total Life-Risk	19	212	42	273

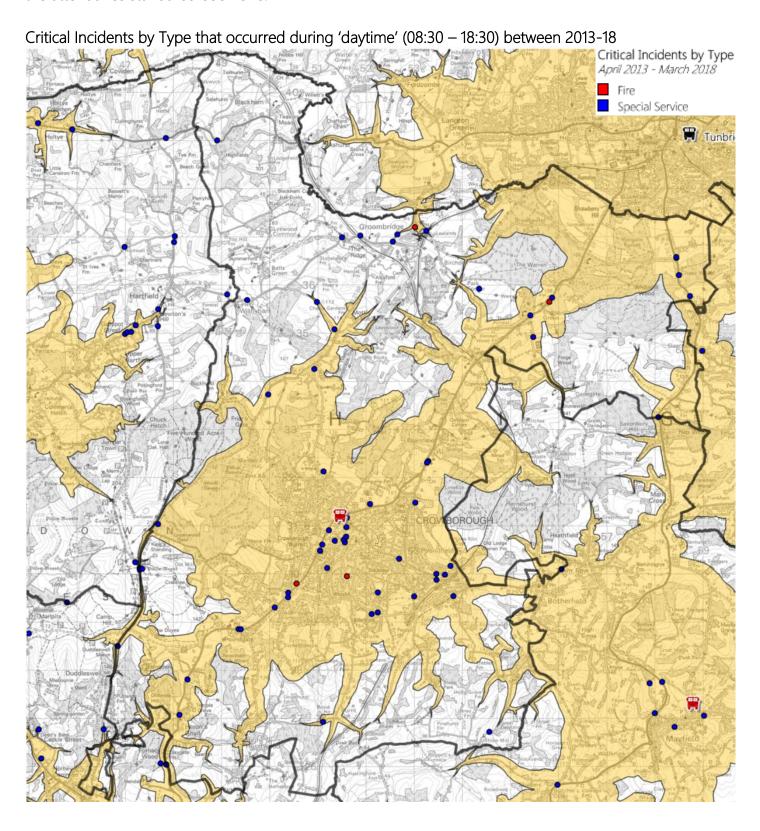
Crowborough ranks 8 out of the 24 station areas (or 3 out of 6 day-crewed areas) regarding combined numbers of fatalities, casualties and rescues as shown on the following chart. However, Crowborough ranks as the highest day-crewed station area (3rd out of all 24 station areas) for the number of RTC injuries.



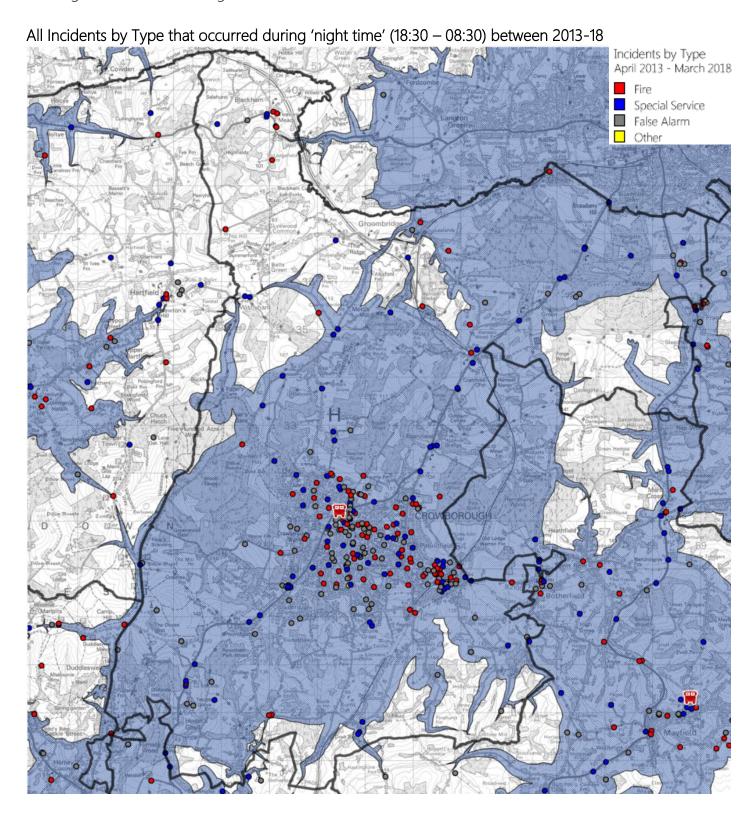
57% of incidents within Crowborough station area occurred during the daytime (between 08:30 and 18:30). The map below shows all daytime incidents over the last 5 years, with daytime attendance standards coverage overlaid. 90% of daytime incidents fall within the attendance standards isochrone. The proportion of all incidents that fall outside of the isochrones is the 11th highest out of all station areas.



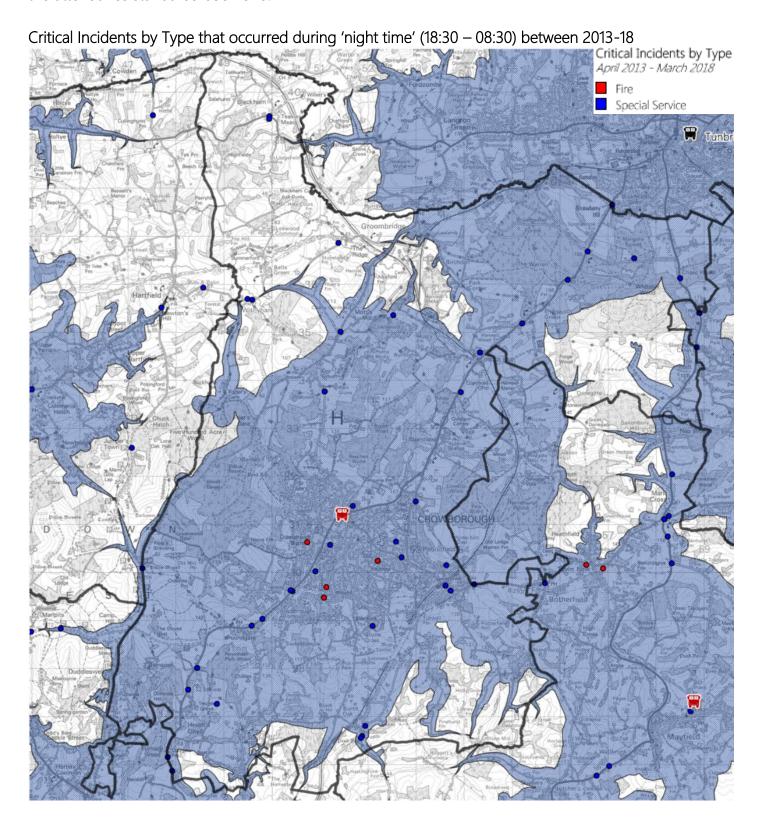
The following map now only show critical incidents that occurred within Crowborough station area during the day. 57% of critical incidents occurred during the daytime (between 08:30 and 18:30). 85% fall within the attendance standards isochrone.



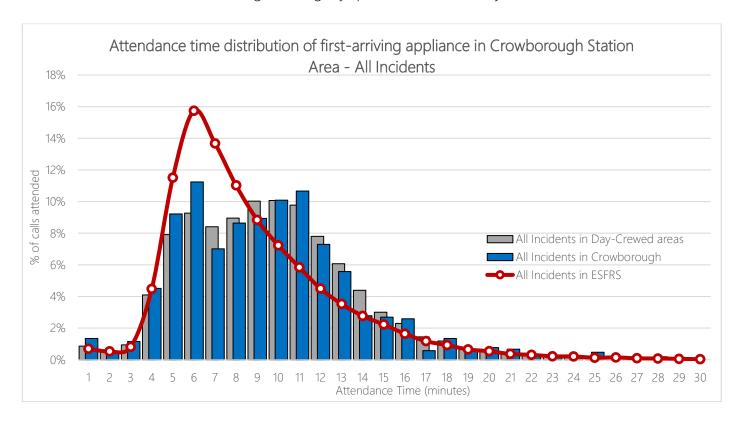
43% of incidents within Crowborough station area occurred during the night time (between 18:30 and 08:30). The map below shows all night time incidents over last 5 years, with night time attendance standards coverage overlaid. 94% of night time incidents fall within the attendance standards isochrone.



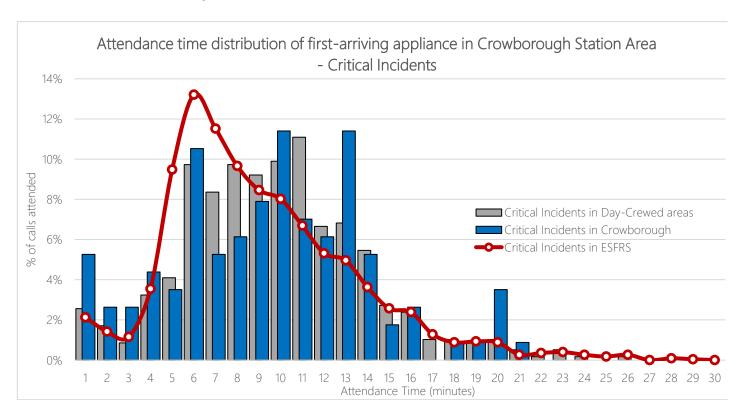
The following map now only shows critical incidents that occurred within Crowborough station area during the night. 43% of critical incidents occurred during the night time (between 18:30 and 08:30). 96% fall within the attendance standards isochrone.



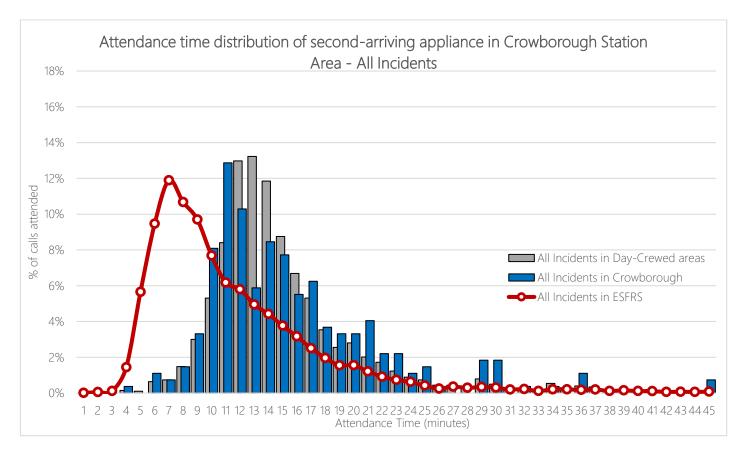
The chart below shows the distribution of response times by minute intervals. These distributions are based on 5 years of data (Apr 2013 – Mar 2018) and help understand the range of response times to all types of incidents that have occurred within Crowborough Station area, compared with other areas. It can be seen that, compared to other day-crewed station areas, there are a slightly greater proportion of initial attendances of 6 minutes and under, and slightly fewer attendances between 12-16 minutes indicating that, overall, attendances to Crowborough are slightly quicker than other day-crewed station areas.



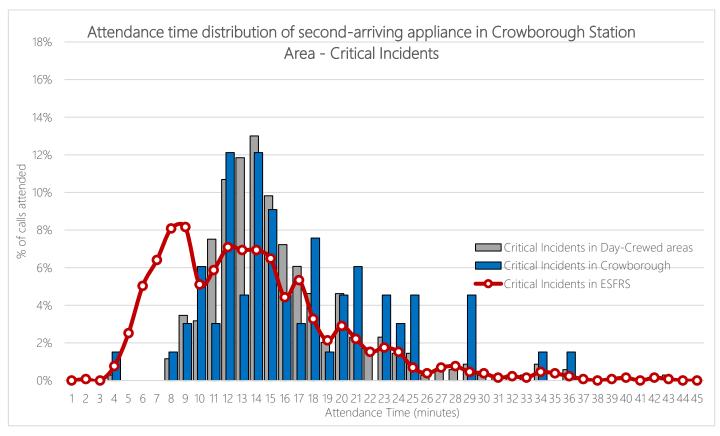
The following chart depicts similar information, but for critical incidents only. As there are fewer critical incidents within Crowborough area, the distribution curve is less uniform.



The chart below shows the distribution of response times to all incidents by minute intervals for the second appliance (where applicable) across a five year period (Apr 2013 – Mar 2018). It can be seen that, compared to the previous charts, the attendance times peak around 11 minutes for the arrival of the 2nd appliance compared to 6 minutes for the 1st appliance.



The chart below shows the distribution of attendance times to critical incidents across Crowborough station area for the 2^{nd} appliance over a five year period (Apr 2013 – 2018).



The table below shows the average delay between the arrival of the first and second appliances within Crowborough station area for dwelling fires and RTCs – the two incident types represent where the majority of our life-risk incidents occur and where we typically send 2 pumping appliances as part of the initial PDA. It can be seen that, compared to other day-crewed areas, the average lag time is similar for fire incidents, but 1 minute slower for RTC incidents.

Incident Type	Ave. Lag Time in Crowborough	Ave. Lag Time across all Day- Crewed areas	Ave. Lag Time across ESFRS area
Primary Fire - Dwelling	04:44	04:40	03:21
Special Service - RTC	06:33	05:27	04:17

Between April 2013 and March 2018, 74% of incidents within the Crowborough station area were attended by a single fire appliance, which is in-line with the ESFRS total of 72% of incidents.

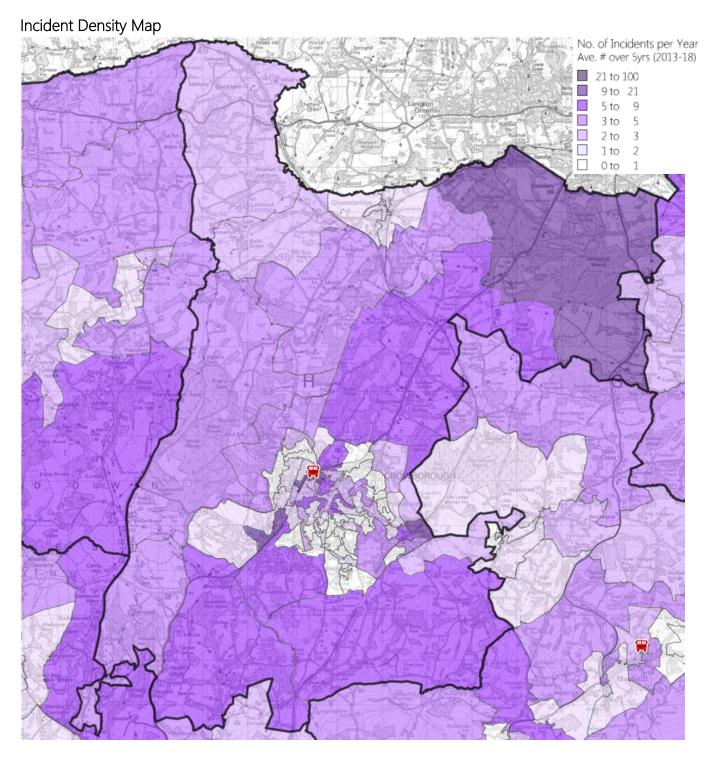
The table below shows, when there was a 2nd pump attendance, which appliances attended. FJE83P4 was, as you would expect, the 2nd pump attendance on 46% of occasions. Uckfield provided the 2nd pump on 15% of occasions, Crowborough's P1 was the second pump on 13% of occasions, and Crowborough's Landrover (83M1) was the 2nd pump on 7% of occasions. 6% of 2nd pump attendances were by OTB appliances.

FJE83P4 (46%)	FJE84P1 (15%)	FJE83P1 (13%)	FJE83M1 (7%)	OTB Appliance (6%)	FJE81P1 (5%)	FJE78P5 (4%)	FJE85P1 (2%)	FJE88P1 (1%)
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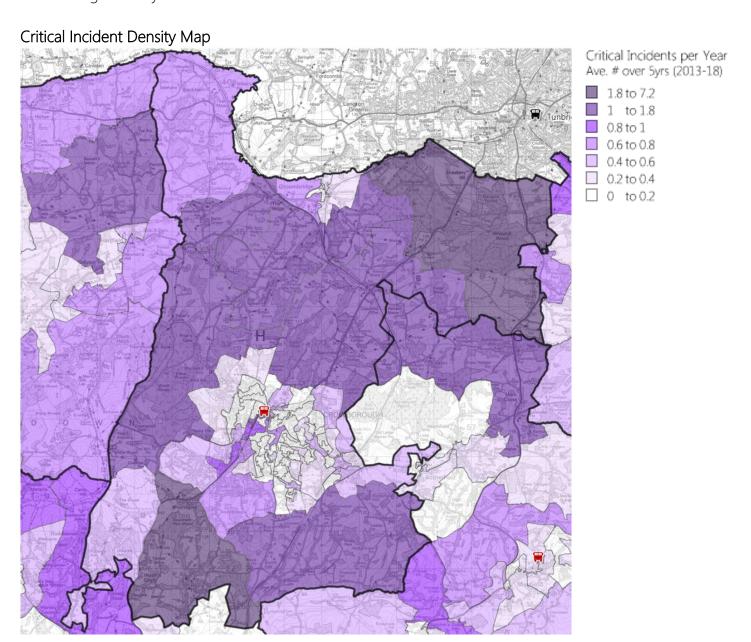
The following map shows, by output area, the average number of incidents to which it is mobilised per year (based on a 5 year average). An Output Area (OA) is a geographic area, designed specifically for statistical purposes by the Office of National Statistics and used to aggregate Census information. An OA contains approximately 130 households, so output areas in rural communities can cover a large geographic area but an inner-city output area might only cover a street or a cluster of densly populated high-rise premises.

The map seeks to demonstrate the areas where there have been the most incidents within the Crowborough station area over the past five years. The darker the shade, the more incidents have occurred in the area. The ranges have been calculated statistically using the 'natural breaks' algorithm.

It can be seen that there are small pockets of high density in Crowborough town, and large areas in the south. The highest density area is in the north of the area, on the border with Tunbridge Wells.



The map below shows the average number of critical incidents to which it is mobilised per year (based on a 5 year average). It can be seen that there are fewer critical incidents in and around Crowborough itself, and more in the surrounding areas, especially in the north/north east of the station area. There are also areas of high density in the south of the station area.

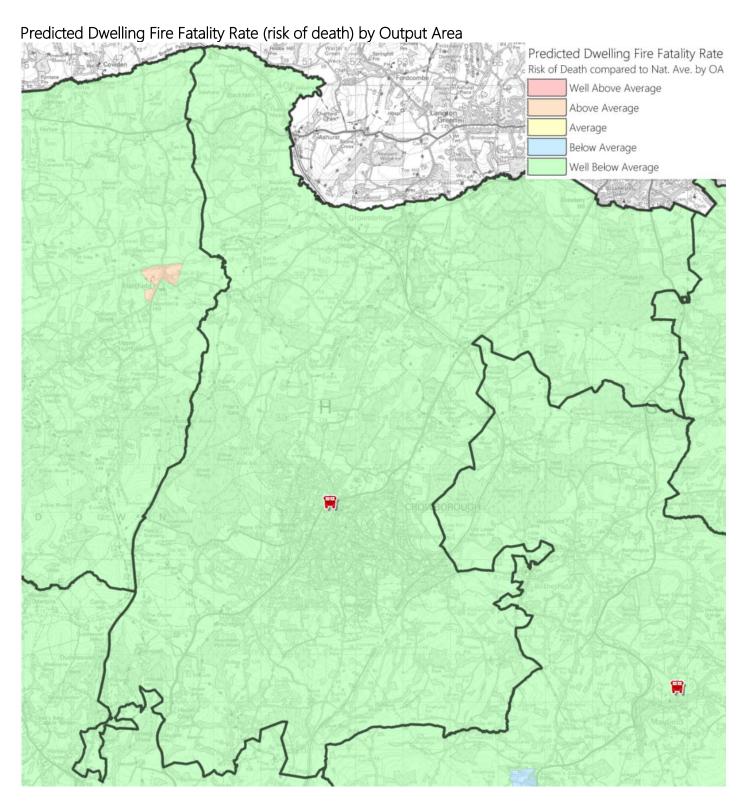


The following table illustrates the number of level 3 and 4 incidents that have occurred over the past 9 years within Crowborough station area. A level 3 incident is where between 7-9 pumping appliances are in attendance at the incident, whereas a level 4 incident represents where 10 or more pumping appliances attended. These incidents denote where significant resource was required in order to deal with a particular incident. There have been 2 level 3 incidents and 5 level 4 incidents over the past 9 years.

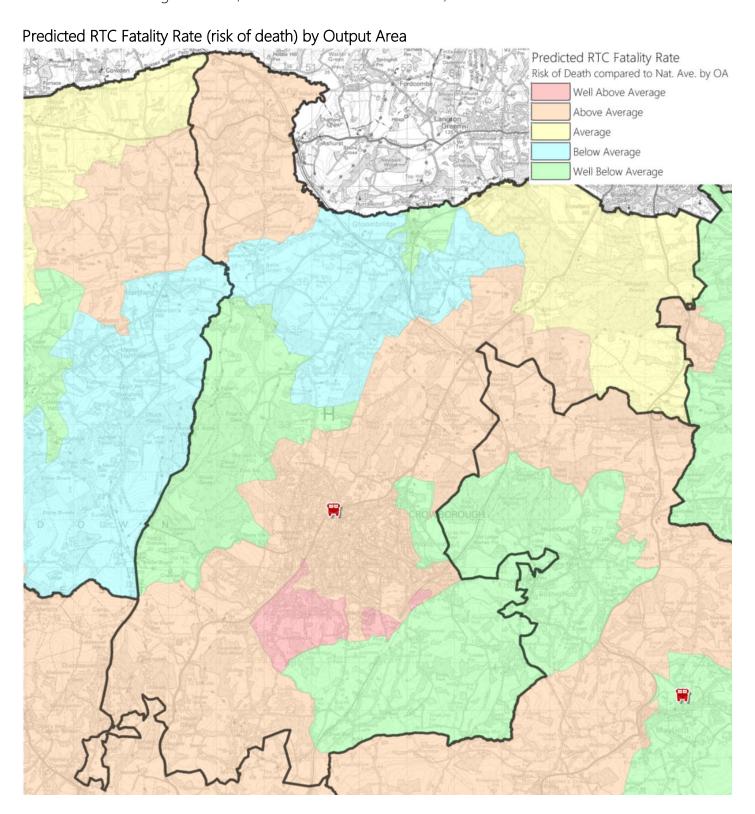
	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	Grand Total
Level 3 (7-9 pumps)	1	0	0	0	0	1	0	0	0	2
Level 4 (10+ pumps)	0	2	2	0	0	0	1	0	0	5
Total	1	2	2	0	0	1	1	0	0	7
ESFRS Total	17	11	9	10	11	9	7	7	12	93

The following map shows the predicted dwelling fatality rate by output area, produced by the Fire Service Emergency Cover Toolkit (FSEC). FSEC calculates the predicted risk of sustaining fatal injuries in a dwelling fire taking into account fire factors in census demographics, historical incident activity and response times. The map shows where the risk is higher and/or lower than the national average.

It can be seen that the whole of Crowborough station area is predicted as being well below average risk.



The following map shows the predicted RTC fatality rate by output area, produced by the Fire Service Emergency Cover Toolkit. Areas through which the main A26 is located are mostly classified as above average risk of death compared with the national average. With one well above average risk area in the south of Crowborough, and the northern most section of the A26 is classified as average risk. There is also another above average risk area, in the north around Blackham, where the A264 is located.



Incidents to which Crowborough appliance(s) were mobilised

Whilst the previous section dealt with incidents within Crowborough station area irrespective of which appliances were mobilised, this section deals with incidents to which Crowborough appliances have mobilised irrespective of the geographical location of the incident.

The table below shows the average turn-out times of each pumping appliance at Crowborough. Average turn-out times have been calculated using a trim mean. Any turn-out time quicker than 30 seconds or longer than 12 minutes were not used in the calculation. It can be seen that the turnout times for 83P1 have increased over the period, for both on-call and on-station responses. At the same time turnout times for P4 have decreased over the 9 years. The average on-station response for 83P1 is 01:59, and on-call is 05:20. The average turnout time for 83P4 is 06:34.

Average turn-out times of Crowborough appliance(s)

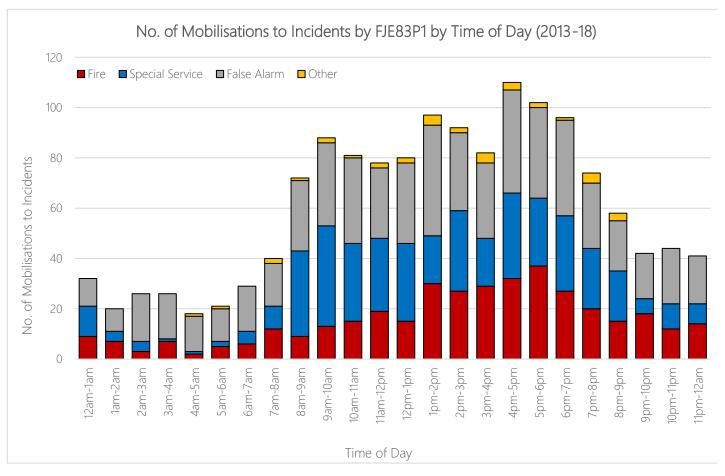
Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE83P1	01:44	01:53	01:58	01:43	01:50	02:25	02:13	01:54	02:15
FJE83P1 (on call)	05:11	04:52	04:47	04:52	05:42	05:40	05:32	05:29	05:57
FJE83P4	06:59	05:58	06:27	06:54	06:33	07:05	06:16	07:16	05:36

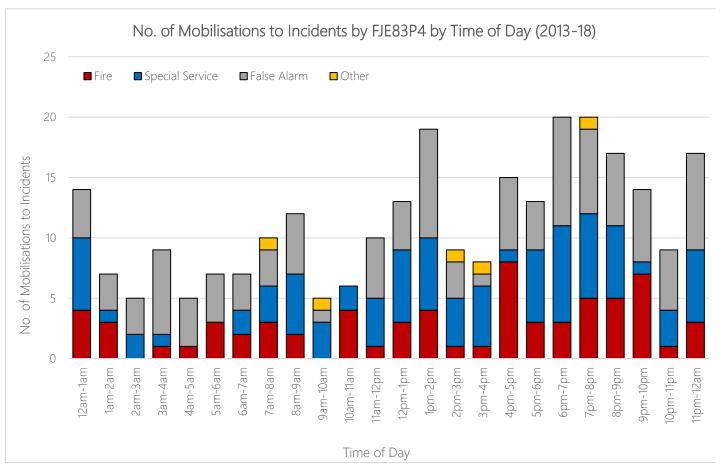
The following table shows the number of mobilisations each Crowborough appliance has mobilised to an incident. Over the past 9 years the number of incidents attended by ESFRS have reduced by 24%. In the same period, the number of mobilisations of FJE83P1 have reduced by 15%. FJE83P4 mobilisations have reduced by 54% within the same period (ranking 10th out of the 33 pumping appliances with greatest reduction in mobilisations).

Mobilisations to Incidents per year by Appliance

Appliance	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	% increase / decrease
FJE83P1	369	333	310	310	271	297	262	304	315	-15
FJE83P4	118	107	101	75	53	80	46	38	54	-54
All ESFRS Incidents	12,759	11,675	10,376	9,516	9,772	9,090	9,215	9,405	9,737	-24

The following chart(s) show the incidents to which the Crowborough appliance(s) have mobilised to by time of day.





The following tables illustrate the types of incidents to which each Crowborough appliance has mobilised to over the past 5 years. FJE83P1 mobilises to a higher proportion of fire incidents compared with the rest of ESFRS – approximately 5% more, and proportionally 7% fewer false alarms. FJE83P4 mobilises to slightly fewer fires and false alarms, and slightly more special service incidents.

Mobilisations to Incidents by Appliance (Apr 2013 - Mar 2018)

Incident Type	FJE83P1	%	FJE83P4	%	All ESFRS Incidents	%
Fire	383	26.4	68	25.1	10,263	21.7
Special Service	432	29.8	88	32.5	13,332	28.2
False Alarm	599	41.3	110	40.6	22,838	48.4
Other	35	2.4	5	1.8	786	1.7
All Incident Types	1,449	-	271	-	47,219	-

Detailed Breakdown of Incident Types by Appliance (Apr 2013 - Mar 2018)

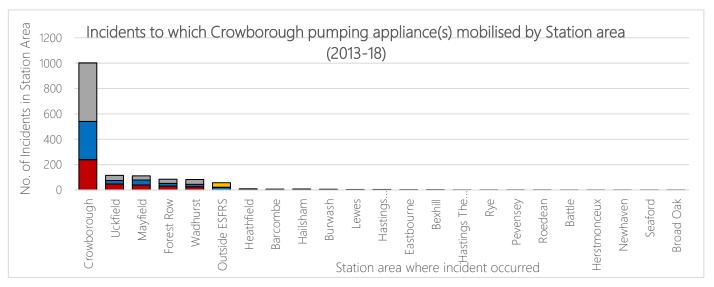
Detailed Breakdown of Incident Types by Appliance (A	.pr 2013 -	Mar	1			
Incident Type	FJE83P1	%	FJE83P4	. %	All ESFRS Incidents	%
Primary Fire - Dwelling	106	7.3	34	12.5	2,871	6.1
Primary Fire - Non Residential	44	3.0	12	4.4	984	2.1
Primary Fire - Other Residential	15	1.0	7	2.6	265	0.6
Primary Fire - Other transport vehicle	0	0.0	0	0.0	14	0.0
Primary Fire - Outdoor	26	1.8	4	1.5	396	0.8
Primary Fire - Road Vehicle	55	3.8	5	1.8	1,256	2.7
Chimney Fire	49	3.4	2	0.7	717	1.5
Secondary Fire - Dwelling	0	0.0	0	0.0	25	0.1
Secondary Fire - Non Residential	1	0.1	1	0.4	64	0.1
Secondary Fire - Other Residential	0	0.0	0	0.0	0	0.0
Secondary Fire - Other transport vehicle	0	0.0	0	0.0	2	0.0
Secondary Fire - Outdoor	86	5.9	3	1.1	3,561	7.5
Secondary Fire - Road Vehicle	1	0.1	0	0.0	58	0.1
Fire - Classification Not Recorded	0	0.0	0	0.0	50	0.1
Special Service - Advice Only	3	0.2	1	0.4	150	0.3
Special Service - Animal assistance incidents	37	2.6	7	2.6	1,050	2.2
Special Service - Assist other agencies	35	2.4	4	1.5	767	1.6
Special Service - Effecting Entry/Exit	29	2.0	2	0.7	1,817	3.8
Special Service - Evacuation (no fire)	0	0.0	0	0.0	13	0.0
Special Service - Flooding	27	1.9	6	2.2	1,956	4.1
Special Service - Hazardous Materials	4	0.3	0	0.0	133	0.3
Special Service - Lift Release	20	1.4	4	1.5	1,728	3.7
Special Service - Making Safe (not RTC)	24	1.7	1	0.4	834	1.8
Special Service - Medical Incident	8	0.6	1	0.4	101	0.2
Special Service - No action (not false alarm)	5	0.3	1	0.4	325	0.7
Special Service - Other rescue/release of persons	22	1.5	4	1.5	447	0.9
Special Service - Other Transport	7	0.5	1	0.4	136	0.3
Special Service - Removal of objects from people	10	0.7	0	0.0	261	0.6
Special Service - Removal of people from objects	5	0.3	0	0.0	146	0.3
Special Service - Rescue or evacuation from water	8	0.6	17	6.3	43	0.1
Special Service - RTC	154	10.6	34	12.5	2,374	5.0
Special Service - Spills and Leaks (not RTC)	13	0.9	2	0.7	495	1.0
Special Service - Stand By	0	0.0	0	0.0	6	0.0
Special Service - Suicide	2	0.1	0	0.0	71	0.2
Special Service - Unknown	19	1.3	3	1.1	471	1.0
Special Service - Water provision	0	0.0	0	0.0	8	0.0
False Alarm - Apparatus	457	31.5	73	26.9	15,820	33.5
False Alarm - Good Intent	130	9.0	35	12.9	6,255	13.2
False Alarm - Malicious	7	0.5	2	0.7	601	1.3
False Alarm - Unknown	5	0.3	0	0.0	162	0.3
Other	35	2.4	5	1.8	786	1.7
Total	1,449	_	271	_	47,219	_

The following table demonstrates the number of times each pumping appliance at Crowborough has been mobilised to an incident between 2013 and 2018, broken down by the station area to which it was mobilised. This includes incidents where the Crowborough appliance(s) may not have arrived at the incident due to being stood-down en-route.

No. of mobilisations to ALL incidents (Apr 2013 - March 2018)

Tto: of friedmations to		FJE83P1	,			
Station Area	5 Year Total	Ave. Per	% by Station	5 Year Total	Ave. Per	% by Station
	(2013-18)	Year	Area	(2013-18)	Year	Area
Barcombe	6	1	0.4	1	0	0.4
Battle	-	-	-	1	0	0.4
Bexhill	1	0	0.1	2	0	0.7
Broad Oak	-	-	-	1	0	0.4
Burwash	4	1	0.3	1	0	0.4
Crowborough	981	196	67.7	198	40	73.1
Eastbourne	-	-	-	3	1	1.1
Forest Row	82	16	5.7	8	2	3.0
Hailsham	4	1	0.3	2	0	0.7
Hastings Bohemia Rd	2	0	0.1	3	1	1.1
Hastings The Ridge	-	-	-	2	0	0.7
Heathfield	9	2	0.6	1	0	0.4
Herstmonceux	-	-	-	1	0	0.4
Lewes	3	1	0.2	2	0	0.7
Mayfield	107	21	7.4	15	3	5.5
Newhaven	-	-	-	1	0	0.4
Pevensey	-	-	-	2	0	0.7
Roedean	2	0	0.1	-	-	-
Rye	-	-	-	2	0	0.7
Seaford	-	-	-	1	0	0.4
Uckfield	113	23	7.8	11	2	4.1
Wadhurst	81	16	5.6	6	1	2.2
Outside ESFRS	54	11	3.7	7	1	2.6
Grand Total	1,449	290	100.0	271	54	100.0

The primary pumping appliance at Crowborough (83P1) is mobilised to an incident, on average, 290 times per year and on 68% of occasions, this is to its own station area. The secondary pumping appliance (83P4) is mobilised to an incident on avearage, 54 times per year and 73% of occasions this is to its own station area. Between April 2013 and March 2018 there have been 1,505 mobilisations to incidents by a Crowborough appliance, as shown in the graph below.



N.B. The overborder figure will likely be higher as these figures are calculated from data held within ESFRS Incident Recording System only. For over-border incidents where both Crowborough and an over-border FRS attend, the incident is recorded in the over-border FRS's Incident Recording System.

The following table demonstrates the number of times each pumping appliance at Crowborough has been mobilised to a critical incident between 2013 and 2018, broken down by the station area to which it was mobilised. This includes incidents where the Crowborough appliance(s) may not have arrived at the incident due to being stood-down en-route. 83P1 mobilises to a critical incident, on average, 34 times per year and on 65% of occasions, this is within the Crowborough station area. 83P4 mobilises to a critical incident, on average 9 timers per year, and 70% of the time this is to its own station area.

No. of mobilisations to **CRITICAL** incidents (Apr 2013 – Mar 2018)

		FJE83P1		FJE83P4				
Station Area	5 Year Total (2013-18)	Ave. Per Year	% by Station Area	5 Year Total (2013-18)	Ave. Per Year	% by Station Area		
Barcombe	2	0	1.2	1	0	2.3		
Broad Oak	-	-	-	1	0	2.3		
Burwash	1	0	0.6	-	-	-		
Crowborough	109	22	64.5	30	6	69.8		
Eastbourne	+	-	-	-	-	-		
Forest Row	14	3	8.3	1	0	2.3		
Hailsham	1	0	0.6	1	0	2.3		
Hastings Bohemia Rd	-	-	-	-	-	-		
Hastings The Ridge	-	-	-	1	0	2.3		
Heathfield	1	0	0.6	-	-	-		
Herstmonceux	+	-	-	1	0	2.3		
Lewes	2	0	1.2	2	0	4.7		
Mayfield	13	3	7.7	3	1	7.0		
Newhaven	-	-	-	1	0	2.3		
Rye	-	-	-	1	0	2.3		
Uckfield	18	4	10.7	-	-	-		
Wadhurst	7	1	4.1	-	-	-		
Outside ESFRS	1	0	0.6	-	-	-		
Grand Total	169	34	100.0	43	9	100.0		

The table(s) below show the performance over 5 years of each pumping appliance when it is the first arriving appliance at an incident. Attendance times are calculated from time of call to time of arrival of the first fire appliance. Given that our attendance standards for the first-arriving fire appliance are:

- On-station response: 10 minutes 70% of occasions
- On-call response: 15 minutes 70% of occasions

It can be seen that over the last 5 years, FJE83P1 attended 55% (52% critical) of inicdents within 10 minutes, and 84% (86% critical) of incidents within 15 minutes. FJE83P4 attended 83% of incidents within 15 mins.

Incidents attended within X minutes by FJE83P1 where first-arriving appliance (Apr 2013 – Mar 2018)

Performance of FJE83P1 as first arriving appliance	< 5 mins	< 8 mins	< 10 mins	< 13 mins	< 15 mins	< 20 mins	Total Incidents
All Incidents	171 (15%)	446 (38%)	642 (55%)	891 (76%)	987 (84%)	1,099 (94%)	1,169
Critical Incidents	20 (15%)	44 (34%)	68 (52%)	100 (77%)	112 (86%)	126 (97%)	130

Incidents attended within X minutes by FJE83P4 where first-arriving appliance (Apr 2013 – Mar 2018)

Performance of FJE83P4 as first arriving appliance	< 5 mins	< 8 mins	< 10 mins	< 13 mins	< 15 mins	< 20 mins	Total Incidents
All Incidents	2 (5%)	7 (18%)	11 (28%)	30 (75%)	33 (83%)	38 (95%)	40
Critical Incidents	0 (%)	0 (%)	0 (%)	1 (33%)	1 (33%)	3 (100%)	3

OTB attendances into Crowborough (where ESFRS did not attend)

Kent FRS attended 48 incidents in Crowborough station area, where ESFRS did not attend, from 2009-2018. This information is stored in Kent's IRS system. This means that for all the incidents in Crowborough from 2009-2018, Kent FRS solely attended 2.4%. The number of incidents Kent attend in Crowborough is increasing, with an average of 1 per year in 2009-2011, there was a sharp increase in 2015/16, to an average of 14 per year in 2016-2018.

	2009- 10	2010- 11	2011- 12	2012- 13	2013- 14	2014- 15	2015- 16	2016- 17	2017- 18	Tota
Kent into Crowborough Area	1	1	3	5	1	2	7	16	12	48
Total OTB FRS into ESFRS	64	57	73	83	84	53	66	60	77	617

The table below shows appliance availability between April 2009 and March 2018. The data is calculated on unavailability due to staffing and does not include when appliances are off-the-run due to mechanical issues.

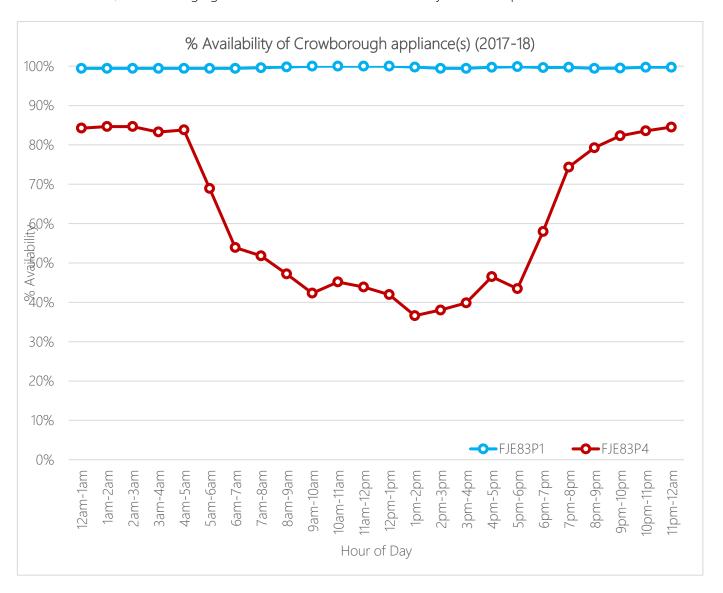
Whilst the primary pumping appliance has remained available nearly 100% of the time over 9 year period, it can be seen that the availability of FJE83P4 has fluctated over the 9 years, with an average availability of 69%.

Appliance Availability

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE83P1	99.3	99.6	99.9	99.9	99.9	99.4	99.9	99.9	99.7
FJE83P									
4	77.1	82.9	76.0	59.1	59.2	77.6	66.2	56.3	61.8

The chart below shows the percentage availability of the appliance(s) at Crowborough for each hour of the day during the most recent year (2017/18).

It can be seen that availability of FJE83P4 dips significantly between 8am and 6pm where it is available, on average, 43% of the time, before rising again to a maximum of 83% availability between 8pm and 5am.



Standby cover moves

The following section provides details of standby moves between April 2009 and March 2018. Please note, the figures do not represent actual incidents where we have attended (e.g. standby no action). Rather, the figures below constitute the non-emergency cover moves that are made as part of SCC fire cover and policy decisions.

Crowborough appliances made 165 standby moves between April 2009 and March 2018, accounting for 1.6% of all standby moves for ESFRS. Overall, the number of standbys has increased year on year for the station, with the exception of 2014/14, with a sharp increase in 2015/16, and 2017/18 is over 4 times higher than 2009/10. The number of standbys completed by 83P1 has increased significantly, whilst that figure has only slightly increased for 83P4.

	Standbys (% Service Wide Within Year)										
	2009	2010	2011	2012	2013	2014	2015	2016/	2017	Grand	
	/10	/11	/12	/13	/14	/15	/16	17	/18	Total	
83P1	7	15	11	13	5	12	21	25	31	140	
0371	(0.9%)	(1.9%)	(1.3%)	(1.4%)	(0.5%)	(1.4%)	(1.9%)	(1.6%)	(1.3%)	(1.4%)	
83P4	2	3	2	0	2	2	3	6	5	25	
03P4	(0.3%)	(0.4%)	(0.2%)	(0%)	(0.2%)	(0.2%)	(0.3%)	(0.4%)	(0.2%)	(0.2%)	
Crowborough	9	18	13	13	7	14	24	21 (20/)	36	165	
Total	(1.2%)	(2.3%)	(1.5%)	(1.4%)	(0.7%)	(1.7%)	(2.2%)	31 (2%)	(1.6%)	(1.6%)	
ESFRS Total	773	795	877	947	1,010	835	1,086	1,556	2,301	10,180	

Half (49%) of Crowborough's standbys have been to Uckfield, with 81 moves accounting for 11% of all the standbys at Uckfield station. 29% of Crowborough's standbys are over the border to Tunbridge Wells, 48 moves accounting for 52% of all the standbys ESFRS have sent to Tunbridge Wells station (Kent standby data was not captured within this review). Crowborough have also stood by at their own station on 48 occasions, accounting for 29% of all the standbys its appliances does. Crowborough have also completed standbys over the border in Haywards Heath (2 moves), East Grinstead (1 move) and Tonbridge (1 move).

	Standby Locations (% Within Area / Appliance)								
Standby Location	83P1	83P4	Crowborough Total	Total Standbys at Location					
Uckfield	70 (50%)	11 (44%)	81 (49.1%)	730					
Crowborough	43 (30.7%)	5 (20%)	48 (29.1%)	598					
Tunbridge Wells	9 (6.4%)	2 (8%)	11 (6.7%)	21					
Lewes	6 (4.3%)	3 (12%)	9 (5.5%)	1142					
Hove	3 (2.1%)	1 (4%)	4 (2.4%)	450					
Haywards Heath	2 (1.4%)	0 (0%)	2 (1.2%)	34					
Bexhill	1 (0.7%)	1 (4%)	2 (1.2%)	522					
Roedean	1 (0.7%)	0 (0%)	1 (0.6%)	1272					
East Grinstead	1 (0.7%)	0 (0%)	1 (0.6%)	22					
Tonbridge	1 (0.7%)	0 (0%)	1 (0.6%)	2					
Hailsham	0 (0%)	1 (4%)	1 (0.6%)	10					
Battle	1 (0.7%)	0 (0%)	1 (0.6%)	659					
Wadhurst	0 (0%)	1 (4%)	1 (0.6%)	2					
Hastings Ridge	1 (0.7%)	0 (0%)	1 (0.6%)	1245					
Preston Circus	1 (0.7%)	0 (0%)	1 (0.6%)	371					
Total	140	25	165	_					

Special Appliances

The following section provides details of mobilisations and attendances of special appliances based at Crowborough fire station over the past 9 years. The following table illustrates the total number of mobilisations for each special appliance, broken down by year.

Callsign	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
FJE83B1	0	0	0	3	2	0	0	0	0
FJE83M1	150	132	137	107	120	79	92	85	63
FJE83M2	129	102	116	98	105	70	81	80	54
FJE83T1	0	0	0	2	2	0	0	0	1

The Landrover (83M1) and animal rescue unit (83M2) have both experienced a steady decline in the number of mobilisations completed each year, both appliances have had a 58% reduction in mobilisations from 2009/10 to 2017/18.

The swift water rescue boat (83B1) was mobilised 5 times over the 9 years, on 4 occasions this was outside ESFRS where it attended all the incidents, and it was also mobilised (but did not arrive) once to Barcombe.

The swift water support vehicle (83T1) was also mobilised 5 times over the 9 years, on 3 occasions this was outside ESFRS where it arrived on 2 of those mobilisations, it was also mobilised once to Rye and Uckfield where it did not arrive on either occasion.

The following tables shows the total number of mobilisations of 83M1 and 83M2, and what station area they were mobilised to (April 2009 – March 2018).

		FJE83M1			FJE83M2	
Station Area	Total Mobs (%	Total Att. (%	% Did Not	Total Mobs (%	Total Att. (%	% Did Not
	Tot. Mobs)	Tot. Att.)	Arrive	Tot. Mobs)	Tot. Att.)	Arrive
Barcombe	34 (3.5%)	23 (4.5%)	11 (32.4%)	30 (3.6%)	19 (4.4%)	11 (36.7%)
Battle	19 (2.0%)	12 (2.4%)	7 (36.8%)	20 (2.4%)	12 (2.8%)	8 (40.0%)
Bexhill	17 (1.8%)	6 (1.2%)	11 (64.7%)	18 (2.2%)	6 (1.4%)	12 (66.7%)
Broad Oak	19 (2.0%)	16 (3.1%)	3 (15.8%)	20 (2.4%)	15 (3.5%)	5 (25.0%)
Burwash	39 (4.0%)	26 (5.1%)	13 (33.3%)	38 (4.6%)	25 (5.8%)	13 (34.2%)
Crowborough	85 (8.8%)	64 (12.6%)	21 (24.7%)	36 (4.3%)	33 (7.7%)	3 (8.3%)
Eastbourne	39 (4.0%)	13 (2.6%)	26 (66.7%)	40 (4.8%)	14 (3.2%)	26 (65.0%)
Forest Row	63 (6.5%)	46 (9.1%)	17 (27.0%)	19 (2.3%)	14 (3.2%)	5 (26.3%)
Hailsham	55 (5.7%)	44 (8.7%)	11 (20.0%)	59 (7.1%)	45 (10.4%)	14 (23.7%)
Hastings Bohemia Rd	16 (1.7%)	8 (1.6%)	8 (50.0%)	17 (2.0%)	8 (1.9%)	9 (52.9%)
Hastings The Ridge	21 (2.2%)	13 (2.6%)	8 (38.1%)	20 (2.4%)	13 (3.0%)	7 (35.0%)
Heathfield	21 (2.2%)	16 (3.1%)	5 (23.8%)	19 (2.3%)	16 (3.7%)	3 (15.8%)
Herstmonceux	15 (1.6%)	10 (2.0%)	5 (33.3%)	15 (1.8%)	10 (2.3%)	5 (33.3%)
Hove	1 (0.1%)	0 (0.0%)	1 (100.0%)	1 (0.1%)	0 (0.0%)	1 (100.0%)
Lewes	49 (5.1%)	25 (4.9%)	24 (49.0%)	50 (6.0%)	27 (6.3%)	23 (46.0%)
Mayfield	23 (2.4%)	18 (3.5%)	5 (21.7%)	16 (1.9%)	14 (3.2%)	2 (12.5%)
Newhaven	8 (0.8%)	4 (0.8%)	4 (50.0%)	8 (1.0%)	4 (0.9%)	4 (50.0%)
Pevensey	21 (2.2%)	12 (2.4%)	9 (42.9%)	23 (2.8%)	13 (3.0%)	10 (43.5%)
Preston Circus	8 (0.8%)	5 (1.0%)	3 (37.5%)	6 (0.7%)	5 (1.2%)	1 (16.7%)
Roedean	4 (0.4%)	2 (0.4%)	2 (50.0%)	4 (0.5%)	2 (0.5%)	2 (50.0%)
Rye	26 (2.7%)	11 (2.2%)	15 (57.7%)	26 (3.1%)	10 (2.3%)	16 (61.5%)
.Seaford	14 (1.5%)	8 (1.6%)	6 (42.9%)	12 (1.4%)	9 (2.1%)	3 (25.0%)
Uckfield	75 (7.8%)	56 (11.0%)	19 (25.3%)	57 (6.8%)	43 (10.0%)	14 (24.6%)
Wadhurst	18 (1.9%)	8 (1.6%)	10 (55.6%)	14 (1.7%)	7 (1.6%)	7 (50.0%)
Outside ESFRS	275 (28.5%)	62 (12.2%)	213 (77.5%)	267 (32.0%)	67 (15.5%)	200 (74.9%)
All Mobilisations	965	508	457 (47.4%)	835	431	404 (48.4%)

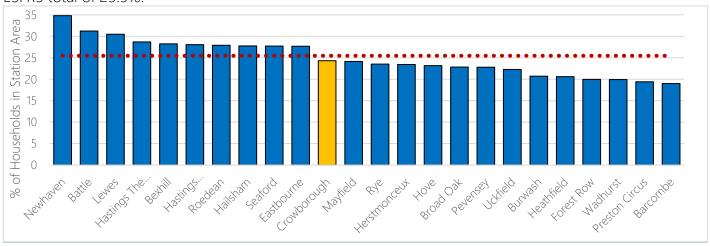
It can be seen that 83M1 is mobilised outside of ESFRS on 29% of occasions, where it only arrives 22% of the time. 83M1 is mobilised throughout ESFRS, with a wide reach across the service area in terms of where it gets mobilised to. It can be seen that 9% of the time is to its own station area, where it doesn't arrive 25% of the time.

32% of 83M2's mobilisations have been to outside ESFRS where it only arrived at the incident on 25% of occasions. As with the Landrover, 83M2 is mobilised throughout the service area, only attending 4% of incidents in its own station area.

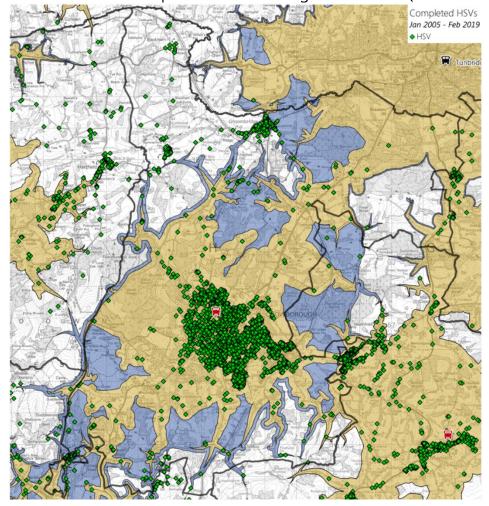
Prevention – Home Fire Safety

Between January 2005 and February 2019, a total of 2,563 HSVs have been undertaken within Crowborough Station Admin area. These figures includes re-visits to the same property over the years. This equates to 1,188 unique households which have had a Home Safety Visit.

Over the last five years (Apr 2013 – Mar 2018), an average of 278 HSVs were undertaken each year – making up approximately 2.7% of all HSVs undertaken across the ESFRS area. 7% of HSVs undertaken in Crowborough station area sit outside the day time attendance standards isochrone and 4% for the night time isochrone. This is in line with the proportion of households that fall outside of the isochrone (7.1%). 24.4% of all households in Crowborough station area have had a Home Safety Visit; slightly below the ESFRS total of 25.5%.



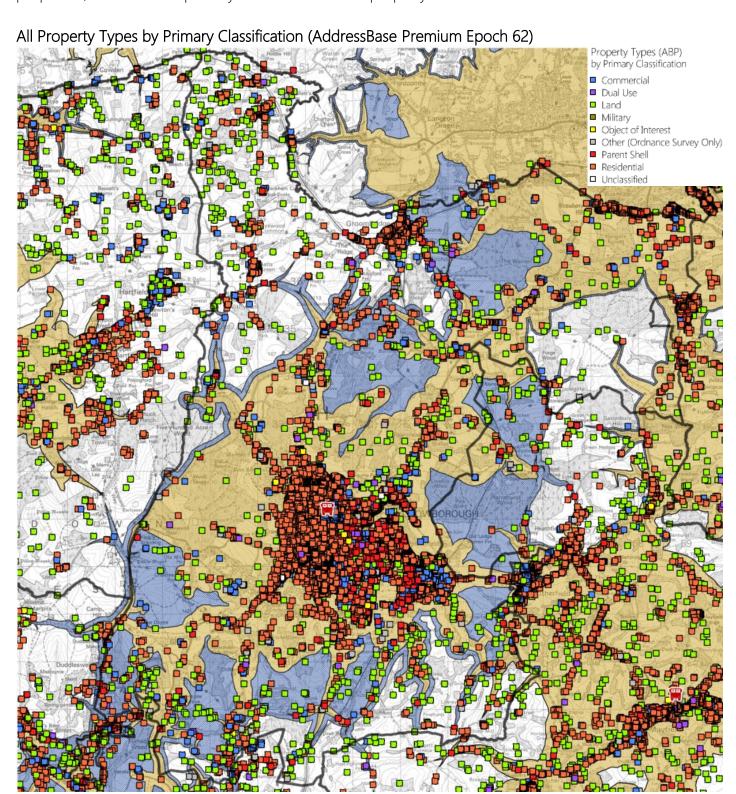
Total No. of HSVs completed in Crowborough Station Area (Jan 2005 – Feb 2019)





Protection – Business Safety

The map below shows all addressable objects, as found in AddressBase Premium (ABP). AddressBase Premium is the most current, comprehensive and accurate geographic dataset available of addresses, properties and land areas where services are provided. Properties that have been demolished and those yet to be built have been excluded from this dataset. Using ABP, allows us to identify all commercial properties, based on the primary classification of the property.



Station Admin	Total No. of	Within Attendance	%	Within Attendance	%
Area	Commercial Properties	Standard (Day)	70	Standard (Night)	70
Crowborough	1,446	1,294	89.5	1,352	93.5

BLPU State: In use, Unoccupied, Unknown or Not Applicable, Logical Status: Approved, Primary Classification: Commercial, Distinct UPRN: Yes

Around 11% of commercial properties were found to be outside of the daytime attendance standards isochrones and around 7% the nighttime isochrones.

Property Types with higher societal life risk (FSEC A through G).

Hospital	Care Home	Hostel	Hotel
2	20	1	0

Based on ABP Epoch 62 Classification.

HMOs, Purpose-Built Flats and Houses Converted to flats are not shown here as not all are classified in this way in ABP

The following table illustrates the total number of Business Safety Audits that have been undertaken across Crowborough Station area. An average of 8 Business Safety Audits are completed per year, which makes up approximately 1.5% of audits undertaken by ESFRS each year. 41% of audits were completed on care homes, 15% to other sleeping accommodation and 9% were to licensed premises.

Business Safety Audits by Property Type (% within area)

All audits in CRM up to 04/2019 (Excludes 'In Progress')

Property Type	Crowborough	ESFRS
A - Hospitals & Prisons	9 (6.9%)	180 (2.4%)
B - Care Home	53 (40.8%)	1,595 (21.4%)
D - Purpose Built Flats > 3 Stories	0 (0%)	398 (5.4%)
E - Hostel	0 (0%)	139 (1.9%)
F - Hotel	9 (6.9%)	1,379 (18.5%)
G - House Converted to Flats	9 (6.9%)	240 (3.2%)
H - Other Sleeping Accom.	20 (15.4%)	1,009 (13.6%)
J - Further Education	1 (0.8%)	31 (0.4%)
K - Public Building	2 (1.5%)	25 (0.3%)
L - Licensed Premises	12 (9.2%)	890 (12%)
M - School	0 (0%)	148 (2%)
N - Shop	6 (4.6%)	562 (7.6%)
P - Other Public Premises	0 (0%)	231 (3.1%)
R - Factory/Warehouse	1 (0.8%)	147 (2%)
S - Office	5 (3.8%)	216 (2.9%)
T - Other Workplace	2 (1.5%)	87 (1.2%)
W - Land & Sea	0 (0%)	16 (0.2%)
Z - Single Private Dwelling	1 (0.8%)	143 (1.9%)
Total	130	7,436

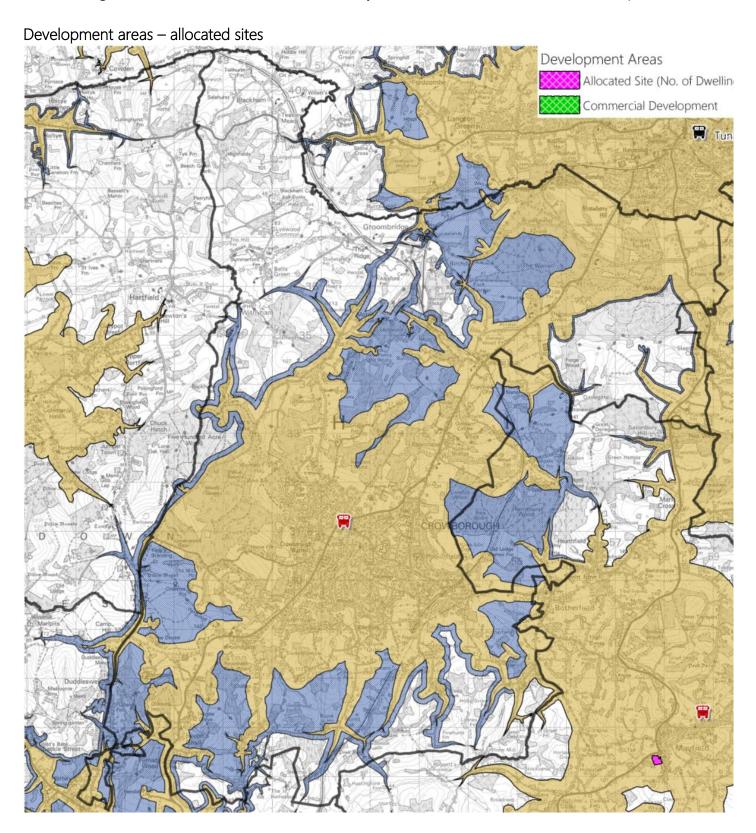
Business Safety Audits by Year

Station Area	2013/14	2014/15	2015/16	2016/17	2017/18	Total	Ave. per Yr	%
Crowborough	9	10	13	2	8	42	8	1.5



Developments

Details of residential and commercial development site allocations have been provided from the local planning office. There are no major residential or commercial sites allocated for development within Crowborough station area. The nearest site is in Mayfield station area, as shown on the map below.





All UK roads (excluding motorways) fall into the following four categories:

- A roads major roads intended to provide large-scale transport links within or between areas.
- **B roads** roads intended to connect different areas, and to feed traffic between A roads and smaller roads on the network.
- Classified unnumbered smaller roads intended to connect together unclassified roads with A and B roads, and often linking a housing estate or a village to the rest of the network. Similar to 'minor roads' on an Ordnance Survey map and sometimes known unofficially as C roads.
- **Unclassified** local roads intended for local traffic. The vast majority (60%) of roads in the UK fall within this category.

The following table shows the total length of Road within Crowborough Station area, broken down by Road type. There is approximately 298km of Road within Crowborough station area, which is the 4th largest in ESFRS, and out of the rural areas, only Uckfield has more total KM of roads. Crowborough has similar proportions road classification comapred to the rest of the service.

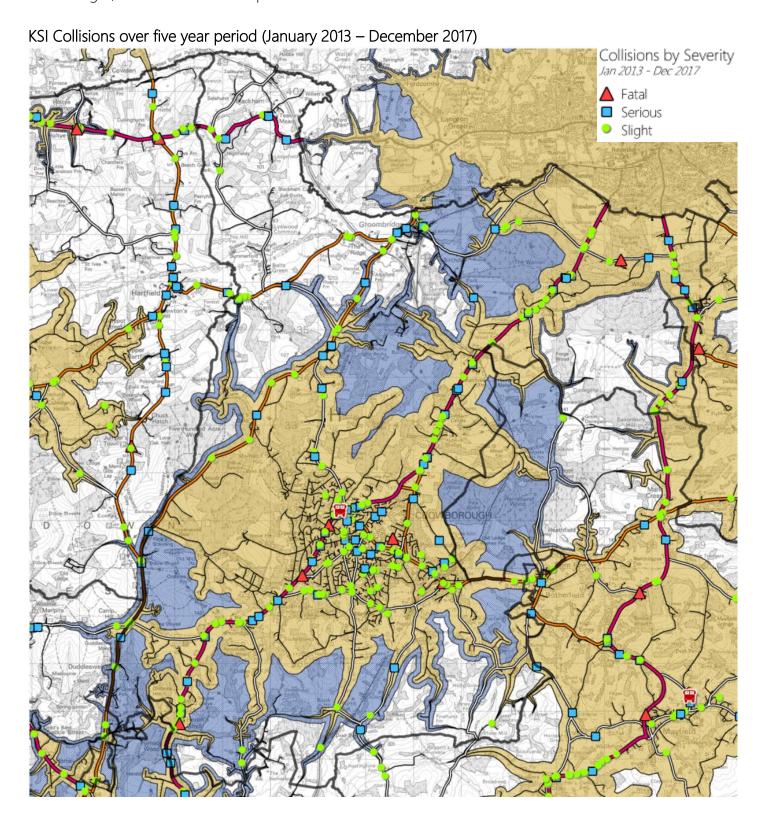
Road Type	Crowborough	ESFRS
A Road	22km (7%)	521km (10%)
B Road	21km (7%)	302km (6%)
Classified Unnumbered	46km (15%)	759km (14%)
Total Classified Roads	89km (30%)	3,779km (30%)
Not Classified/Unclassified	209km (70%)	1,582km (70%)
Total All Road Types	298km (100%)	5,361km (100%)

ESFRS only attends around 25% of all road traffic collisions on ESFRS roads. Therefore, data from the Sussex Safer Road Partnership (SSRP) was sourced to understand the fuller picture of road (RTC) risk. The following tables and map shows RTCs in Crowborough station area over a five year period (January 2013 – December 2017), broken down by severity.

Collision Severity	Crowborough	ESFRS
Fatal	6 (2%)	112 (1.1%)
Serious	75 (24.5%)	2,235 (21%)
Slight	225 (73.5%)	8,307 (78%)
Total	306	10,654
Ave. per Year	61	2,131

There are, on average, 61 KSI collisions per year in Crowborough station area. 26.5% of collisions result in serious or fatal injuries and this proportion is 4.4% higher than ESFRS overall. The SSRP data did not contain the time of the collision.

Out of the 306 collisions, there were 18 that sit outside of the attendance standards isochrones -5 serious and 13 slight, As shown on the map below.

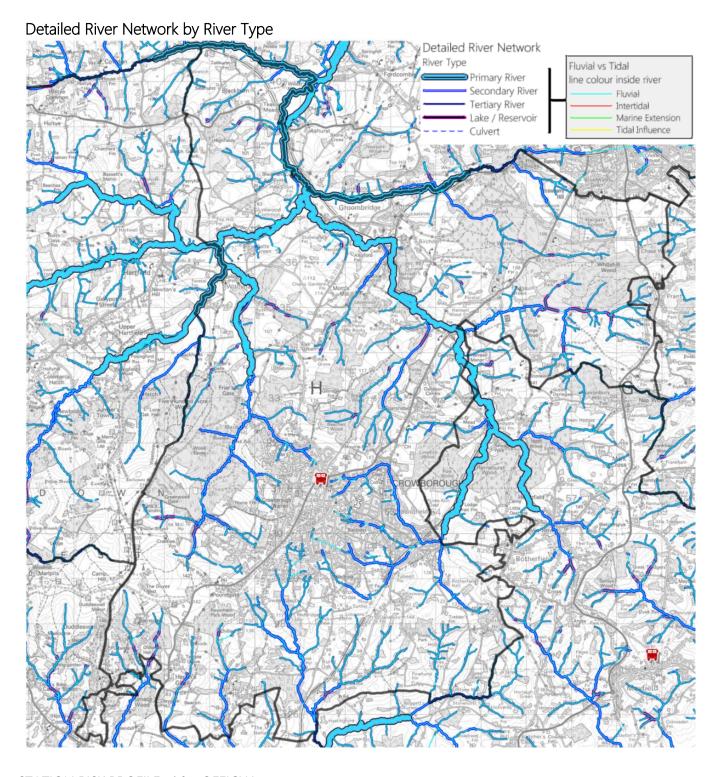




Water Risk

The following map shows the Detailed River Network (DRN), which is a large-scale, accurate and fully attributed digital river centreline covering England and Wales. The DRN is captured from the water features theme of the OS MasterMap topographic layer and built into a network using automated rules. Other input datasets and extensive local Environment Agency (EA) staff knowledge has been used to augment the core geometry to incorporate critical spatial detail and attribution, such as flow direction and path, not available from the OS mapping and to verify the accuracy of the centreline itself.

Primary Rivers are usually larger rivers and streams; the secondary and tertiary rivers are 'ordinary watercourses'. The EA carries out maintenance, improvement or construction work on Main Rivers to manage flood risk. Lead local flood authorities, district councils and internal drainage boards carry out flood risk management work on ordinary watercourses.



The table below shows the total length of rivers by type and whether the river is fluvial or tidal. It can be seen that there are 246km of rivers within the Crowborough station area, which makes up approximately 6.3% of all rivers across the ESFRs area. This ranks Crowborough station area as 8 out of the 24 station areas. Crowborough has proportionally fewer primary and secondary rivers, but more tertiary rivers, compared to the rest of the service. Furthermore, Crowborough also has slightly lower proportions of culverts and lakes/reserviors.

River Type	Fluvial vs Tidal	Crowborough River Length (km)	%	ESFRS River Length	%
Primary River	Fluvial	34.70	14.1	613.07	15.6
Primary River	Intertidal	0.00	0.0	2.02	0.1
Primary River	Marine Extension	0.00	0.0	6.25	0.2
Primary River	Tidal Influence	0.00	0.0	41.19	1.0
	Total Primary	34.70	14.1	662.53	16.9
Secondary River	Fluvial	54.54	22.1	1,129.06	28.8
Secondary River	Intertidal	0.00	0.0	0.58	0.0
Secondary River	Secondary River Tidal Influence		0.0	0.97	0.0
	Total Secondary	54.54	22.1	1,130.62	28.8
Tertiary River	Fluvial	145.13	58.9	1,899.39	48.4
Tertiary River	Intertidal	0.00	0.0	2.37	0.1
Tertiary River	Marine Extension	0.00	0.0	6.22	0.2
Tertiary River	Tidal Influence	0.00	0.0	0.24	0.0
	Total Tertiary	145.13	58.9	1,908.22	48.6
Lake / Reservoir	Fluvial	5.37	2.2	111.25	2.8
Culvert	Fluvial	6.50	2.6	111.24	2.8
	Total Fluvial	246.24	100.0	3,864.01	98.5
	Total Intertidal			4.97	0.1
7	otal Marine Extension	0.00	0.0	12.47	0.3
	Total Tidal Influence	0.00	0.0	42.40	1.1
	Grand Total	246	100	3,923.85	100

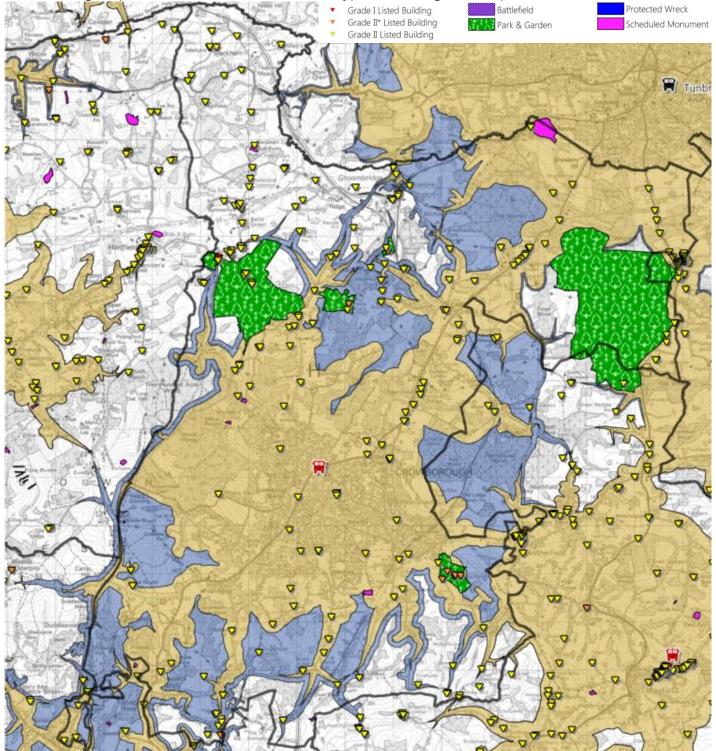
Heritage Risk

The following map shows the location of different types of heritage risk dispersed across the station area.

Grade I Listed Building

Grade I Listed Building

Protected Wreck



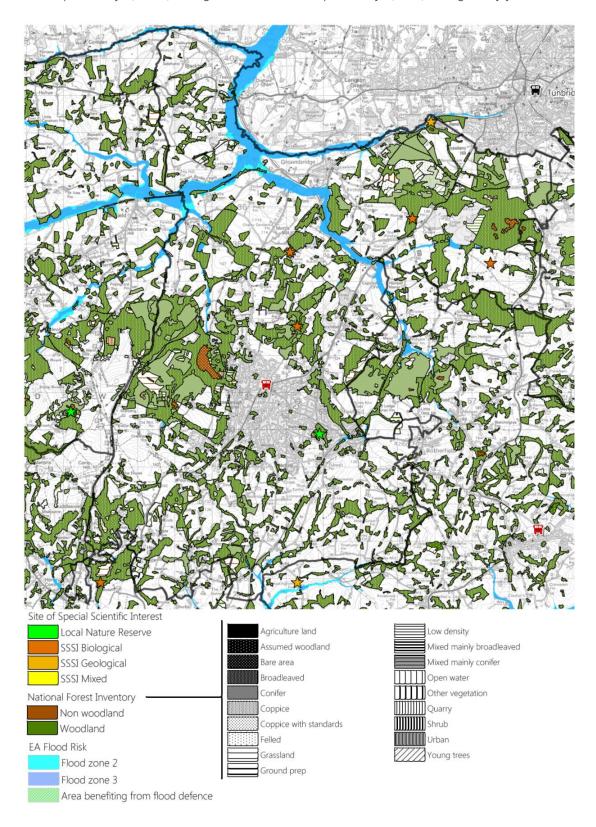
Grade	# in Area	Within Attendance Standard (Day)	%	Within Attendance Standard (Night)	%
	1	0	0.0	0	0.0
*	10	7	70.0	9	90.0
II	208	127	61.1	151	72.6
Total	219	134	61.2	160	73.1

There is one grade I listed building outside of the attendance standards isochrone, which is The Parish Church of St Michael in Withyam. There are also 3 grade II* buildings outside the isochrone.

Environmental Risk

The following map shows a breakdown of various environmental risks across Crowborough station area. There are, on average, 5 incidents per year in Crowborough station area classified as "special service – flooding". This equates to 2.3% of all incidents in Crowborough and is lower than the ESFRS proportion of 4.2% per year. There are 6 Sites of Special Scientific Interest (SSSIs) in Crowborough station area, 1 of which is outside the attendance standards isochrone – this is Eridge Park.

Flood Zone 2 represents land that has been assessed as having between a 1%-0.1% annual probability of river flooding, or between 0.5%-0.1% annual probability of sea flooding in any year. Flood Zone 3 represents land that has been assessed as having a >1% annual probability of river flooding, or a >0.5% annual probability of sea flooding in any year.



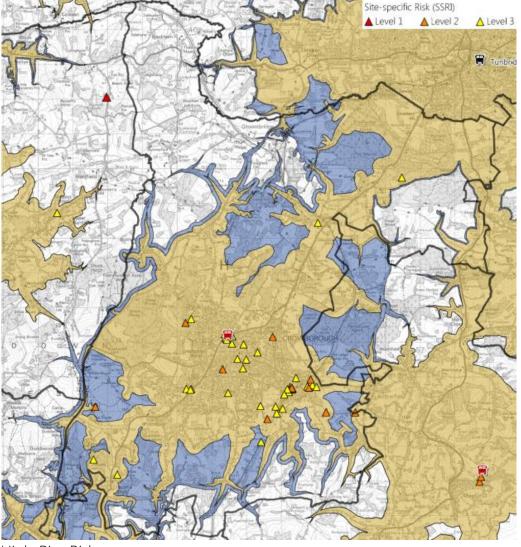


Special Risk (Operational Risk)

Site-Specific Risk Information (SSRI)

There are a total of 47 SSRIs (Levels 1-3) within the Crowborough Station Admin area, 15 of which are Level 2 and 32 of which are level 3, as shown in the table below. The majority of the SSRIs are located in the centre and south/south east of Crowborough town, and all fall within the attendance standard isochrones, as shown in the map below.

SSRI Risk	Crowborough	ESFRS
Level 1	0 (0.0%)	25 (3.1%)
Level 2	15 (31.9%)	294 (36.3%)
Level 3	32 (68.1%)	461 (56.9%)
Total	47	810



High-Rise Risk

There are no high rise premises in Crowborough station area (properties ≥6 floors)

Special Risk

There are no COMAH sites locaed in Crowborough station area.

Over border risks

6km to the north, over the border into Kent is Tunbridge Wells. It is a large town with a population of around 60,000. Crowborough have been called to standby, and attend incidents in the town in the past.



