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Finnish Rescue Services' Pocket Statistics 2014-2018

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FINNISH RESCUE SERVICES' POCKET STATISTICS 2014–2018

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1 INTRODUCTION

In Finland, the responsibility for the functions of rescue services is divided between 22 rescue service regions. The rescue services on the Åland Islands are regulated by regional legislation. The functions of rescue service regions include accident prevention, rescue operations and civil defence, etc.

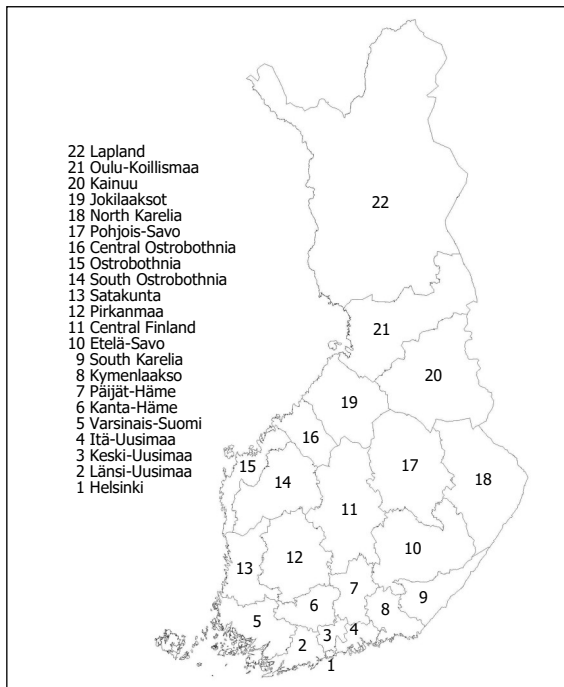
The pocket statistics is based on the data in the rescue services resource and accident statistics program (PRONTO) from 2014–2018, unless indicated otherwise. PRONTO is maintained by the regional rescue departments. The data in the statistics were gathered directly from PRONTO without a nationwide check.

In the statistics rescue operations refer to those incidents when a fire brigade was alerted by an emergency response centre, excluding ambulance service.

The data related to rescue operations have been tabulated in PRONTO based on the primary type of an emergency. The secondary types of emergencies have been counted into those tables which deal with accidents, causes for automatic fire calls and property damages. Separate missing data have not been included in the tables. All this should be taken into consideration when comparing the data presented in the tables.

2 RESCUE SERVICE SYSTEM AND RESOURCES

RESCUE SERVICE REGIONS



RESCUE SERVICE REGIONS 2018

	Population*	Surface Area (km ²)	Risk Squares by Risk Class				Land Area (km ²)
			I	II	III	IV	
Helsinki	643 272	716	130	53	17	522	213
Länsi-Uusimaa	460 572	7 855	101	158	179	7 508	4 242
Keski-Uusimaa	454 621	1 986	98	189	111	1 587	1 940
Itä-Uusimaa	97 159	5 537	19	39	76	5 414	2 736
Varsinais-Suomi	477 677	20 539	37	248	291	20 045	10 663
Kanta-Häme	172 720	5 706	12	107	137	5 449	5 200
Päijät-Häme	201 228	6 256	14	113	97	5 498	5 124
Kymenlaakso	175 511	7 417	12	129	133	7 242	5 113
South Karelia	129 865	7 236	3	96	110	6 793	5 615
Etelä-Savo	147 194	18 768	7	95	96	18 895	13 984
Central Finland	276 031	19 952	15	159	218	19 559	16 706
Pirkanmaa	512 081	14 471	35	263	284	14 015	12 444
Satakunta	220 398	11 636	18	167	172	10 953	7 957
South Ostrobothnia	190 910	14 001	3	130	169	12 870	13 445
Ostrobothnia	149 771	17 411	8	65	173	16 128	7 381
Central Ostrobothnia	99 954	9 116	7	59	66	8 366	6 215
Pohjois-Savo	246 653	20 368	21	130	141	20 052	16 771
North Karelia	162 986	21 584	6	104	115	21 540	17 764
Jokilaaksot	120 359	17 259	3	76	109	17 783	13 499
Kainuu	76 900	24 453	2	53	61	24 486	21 503
Oulu-Koillismaa	288 556	26 180	18	152	167	25 935	21 739
Lapland	179 223	100 368	6	105	170	101 119	92 663
Total	5 483 641	378 815	576	2 720	3 135	386 871	302 917

*Population 31.12.2017

NUMBER OF FIRE STATIONS

	2016	2017	2018
Fire Stations within Rescue Service Region	336	336	339
Contract Fire Brigades	447	490	491
Industrial, Institutional Fire Brigades	94	92	91

RESCUE SERVICE VEHICLES

	2014	2015	2016	2017	2018
Fire Engine	1 090	1 086	1 070	1 055	1 054
Lightweight Fire Truck	33	33	33	25	25
Water Tender	517	508	492	480	476
Ladder Unit, Hydraulic Platform Truck	84	80	78	80	80
Heavy Rescue Unit	48	45	49	43	44
Gear Truck	90	89	82	79	83
Foam Tender, Dry Powder Appliance	58	56	55	55	53
Damage Control Tender	23	25	22	22	24
Hazardous Materials Unit	14	15	17	17	17
Incident Command, Control Unit	234	197	190	183	184
Personnel Carrier	742	753	744	752	762
Rescue Diving Appliance	28	27	27	27	29
Other Rescue Service Vehicle	89	88	103	108	111
Snowmobile	203	208	213	204	204
ATV (all-terrain vehicle), Track Vehicle	269	277	283	286	318
Boat	704	725	726	727	733
Other Vessel	92	81	78	78	78
EMS Vehicle	252	244	254	239	236
Other Vehicle	470	494	506	775	805
Trailer	97	99	161	157	157
Container	97	98	100	98	99

RESCUE DEPARTMENTS FINANCIAL* 2018 (€/Inhabitant)

	Contributions of Municipalities Excluding Rent and Depreciation Costs	Investments	Expendi- ture Excluding Deprecia- tion Costs	Revenue Excluding Contribu- tions of Municipa- lities
Helsinki	-10	0	61	6
Länsi-Uusimaa	55	4	65	2
Keski-Uusimaa	48	4	58	3
Itä-Uusimaa	82	10	95	7
Varsinais-Suomi	60	7	71	5
Kanta-Häme	60	4	67	6
Päijät-Häme	71	9	89	5
Kymenlaakso	79	6	95	6
South Karelia	81	16	96	6
Etelä-Savo	75	4	85	4
Central Finland	65	4	83	3
Pirkanmaa	62	3	69	3
Satakunta	72	11	91	3
South Ostrobothnia	69	5	90	3
Ostrobothnia	66	6	79	7
Central Ostroboth- nia	75	9	80	8
Pohjois-Savo	65	7	77	4
North Karelia	67	6	80	9
Jokilaaksot	88	0	106	9
Kainuu	82	5	91	5
Oulu-Koillismaa	54	0	61	3
Lapland	77	7	95	5
	65	6	81	5

*EMS information not been included

RESCUE DEPARTMENTS FINANCIAL (MEUR)

	2015	2016	2017	2018
Revenue*	25	27	28	29
Expenditure*	396	402	402	415
Personnel Costs*	263	264	258	266
Net Expenditure*	351	352	353	360
Investments*	22	21	13	11
Revenue, EMS	126	135	146	151
Expenditure, EMS	125	122	141	147

*EMS informaton not been included

RESCUE SERVICES PERSONNEL

	2018
Full-time Employees of Rescue Departments	6 283
Contract Fire Brigade Personnel	15 029
Ministry of the Interior, Department of Rescue ¹	44
Emergency Services Academy Finland ²	109
Regional State Administrative Agencies, Department of Rescue ³	34

References: ¹Ministry of the Interior, ²Emergency Services Academy Finland, ³Regionala State Administrative Agencies

RESCUE DEPARTMENTS* FULL-TIME EQUIVALENT

	2017	2018
Administrative, Support Services	555	547
Safety Services	392	390
Emergency Medical Services	1 990	2 025
Rescue Services	3 950	3 886
Total	6 887	6 848

*Full-time employee

PERSONNEL OF RESCUE DEPARTMENTS 2018

	Full-time Personnel			Contract Personnel		
	Total	Rescue Services, Women	Rescue Services, Men	Performance Test Approved	Rescue Services	Performance Test Approved
Helsinki	658	3	410	373	100	100
Länsi-Uusimaa	597	0	337	265	-	-
Keski-Uusimaa	420	8	276	265	579	40
Itä-Uusimaa	170	0	79	62	233	185
Varsinais-Suomi	473	2	259	221	376	324
Kanta-Häme	248	0	139	107	403	100
Päijät-Häme	236	0	178	149	407	108
Kymenlaakso	213	0	146	-	-	-
South Karelia	112	0	93	82	400	97
Etelä-Savo	177	2	110	85	573	33
Central Finland	354	1	207	-	-	-
Pirkanmaa	663	8	450	344	827	168
Satakunta	245	0	164	141	833	136
South Ostrobothnia	112	1	87	70	646	256
Ostrobothnia	190	2	89	77	771	119
Central Ostrobothnia	99	2	70	63	409	130
Pohjois-Savo	267	0	168	198	425	145
North Karelia	256	1	131	166	186	186
Jokilaaksot	253	5	90	59	532	168
Kainuu	67	1	55	47	129	64
Oulu-Koillismaa	379	1	170	127	372	94
Lapland	123	0	106	87	683	89

3 ACCIDENT PREVENTION

SAFETY EDUCATION

	2014	2015	2016	2017	2018
Events	11 219	11 095	10 949	11 592	11 038
Participants	857 785	885 305	849 574	920 389	874 589
Share of Population (%)	16	16	16	17	16

SAFETY EDUCATION EVENTS BY TYPE OF IMPLEMENTATION

	2014	2015	2016	2017	2018
Safety Information Campaigns	654	619	723	603	586
Fairs, Other Public Events	1 588	1 685	1 611	1 849	1 814
Safety Training	7 083	7 056	7 064	7 364	6 943
Safety Advicing	1 829	1 711	1 520	1 527	1 427

SAFETY EDUCATION EVENTS BY TARGET GROUP

	2014	2015	2016	2017	2018
Citizens, Public Servants	7 253	7 270	7 337	7 841	7 525
Children, the Young	4 833	4 817	4 645	5 002	4 764
Public Servants, Trustees	216	191	119	85	107
Companies, Institutions	3 368	3 299	3 080	3 140	2 975
Personnel in Care Institution	1 629	1 601	1 564	1 711	1 623
Personnel in Education Institution	385	355	323	327	370
Personnel in Day Care Center	338	342	270	260	263
Civil Defence Organisations	47	16	29	36	51
Other Target Group	548	508	500	574	483

FIRE INSPECTIONS

	2014	2015	2016	2017	2018
Planned inspections	48 630	45 128	35 985	48 699	40 754
Inspections	44 112	38 518	33 152	38 105	37 416
A1 Building in Use 24/7	4 546	4 404	3 813	3 999	3 826
A2 Education Building, Day Care Center	4 018	3 822	2 921	3 362	3 400
A3 Assembly, Commercial	5 406	5 919	5 109	5 218	5 034
A4 Production, Storage Building	5 983	5 726	5 367	5 712	5 590
A5 Agricultural Building	2 744	2 717	1 975	1 914	1 974
A6 Other Annually Inspected	3 277	2 898	2 847	3 092	2 852
Residential Building	17 752	12 883	10 902	13 666	12 335
Free-time Residence	386	149	218	1 142	2 405

DOCUMENT AUDITING

	2014	2015	2016	2017	2018
Self-Inspection Checklists	68 070	78 188	74 410	86 326	67 861
Returning-%	85	84	82	84	79
Rescue Plans	1 952	1 329	1 063	1 247	1 152
Rescue Plans for Events	2 397	2 217	2 858	4 026	3 966
Documents of Technical Fire Safety Installations	4 226	4 296	6 103	6 811	7 612
Other Document Auditing	4 236	2 717	2 933	4 225	3 941
Total	80 881	88 750	87 367	102 635	84 532

4 RESCUE OPERATIONS

RESCUE OPERATIONS BY TYPE

	2014	2015	2016	2017	2018
Fires	14 027	11 223	12 063	11 854	14 268
Building Fire	5 958	5 211	5 520	5 290	5 317
Building Fire, Not spread	3 665	3 201	3 356	3 184	3 296
Vehicle Fire	2 142	2 200	2 262	2 081	2 331
Wildfire	3 511	1 581	2 008	2 181	4 252
Other Fire	2 416	2 231	2 273	2 302	2 368
Other Accidents	16 579	16 940	17 419	18 415	18 355
Traffic Accident	13 725	14 107	14 558	15 464	15 161
Oil Spill	2 427	2 410	2 495	2 602	2 777
Hazardous Material Accident	387	378	315	308	320
Explosion, Risk of Explosion	18	15	16	16	25
Collapse, Risk of Collapse	22	30	35	25	72
Other Operations	68 468	71 510	74 272	74 142	80 856
Fire Alarm System Check or Inspection	18 076	17 500	19 199	17 324	18 141
Smoke Alarm System Check or Inspection	2 918	2 482	3 358	3 213	4 284
Other Check or Inspection	9 351	8 816	9 109	9 232	11 245
First Response	21 156	21 094	22 655	24 327	25 096
Human Rescue	2 529	2 467	2 336	2 273	2 232
Animal Rescue	2 146	2 380	2 502	2 380	2 831
Loss Prevention	7 105	11 027	8 708	8 187	9 210
Assistance	3 827	4 332	4 903	5 621	6 355
Executive Assistance	1 360	1 412	1 504	1 585	1 462
Total	99 074	99 673	103 756	104 411	113 479

RESCUE OPERATIONS BY RESCUE SERVICE REGION

	2014	2015	2016	2017	2018
Helsinki	8 143	8 408	8 813	9 454	9 600
Länsi-Uusimaa	6 610	6 780	7 439	8 195	8 248
Keski-Uusimaa	6 403	6 650	7 114	8 158	8 012
Itä-Uusimaa	1 961	2 128	2 140	2 503	2 358
Varsinais-Suomi	7 894	7 777	8 329	8 375	8 909
Kanta-Häme	3 610	3 658	3 970	3 661	4 083
Päijät-Häme	3 876	3 914	4 238	4 416	4 714
Kymenlaakso	3 449	3 225	3 542	3 609	3 831
South Karelia	2 551	2 498	2 745	2 593	3 003
Etelä-Savo	3 255	3 349	3 726	3 357	3 947
Central Finland	5 415	5 364	5 403	4 871	5 686
Pirkanmaa	10 136	10 308	10 550	10 143	11 000
Satakunta	4 967	4 782	5 012	4 909	5 776
South Ostrobothnia	3 930	4 131	4 324	4 273	4 854
Ostrobothnia	2 619	2 455	2 580	2 455	3 171
Central Ostrobothnia	2 010	1 897	1 880	1 719	1 977
Pohjois-Savo	5 126	5 322	5 197	5 070	5 619
North Karelia	3 823	3 755	3 826	3 882	4 311
Jokilaaksot	2 725	3 009	2 679	2 597	3 000
Kainuu	1 784	1 600	1 521	1 464	1 715
Oulu-Koillismaa	4 331	4 464	4 361	4 309	4 847
Lapland	4 450	4 187	4 358	4 379	4 804
Cooperations	2 043	1 769	1 896	1 987	2 233

RESCUE OPERATIONS BY URGENCY

	2014	2015	2016	2017	2018
Urgent	73 457	70 059	74 410	74 026	78 921
Non-urgent	20 739	24 568	23 688	24 584	28 251
Canceled	4 702	4 820	5 442	5 552	6 140

RESCUE OPERATIONS BY MONTH

	2014	2015	2016	2017	2018
January	7 728	8 189	10 416	8 332	8 539
February	5 851	6 394	6 826	7 313	7 995
March	7 213	7 135	6 842	8 060	8 221
April	7 918	8 371	7 239	7 661	8 002
May	8 944	8 640	8 958	9 308	10 622
June	8 464	9 005	10 037	9 744	12 737
July	12 088	8 527	9 752	9 737	12 737
August	9 689	9 029	11 461	10 312	10 944
September	8 126	8 009	8 222	8 231	10 191
October	7 688	9 588	7 700	8 360	8 165
November	6 998	8 117	7 892	7 928	7 476
December	8 367	8 669	8 411	9 425	8 372

RESCUE OPERATIONS BY WEEK DAY

	2014	2015	2016	2017	2018
Monday	13 949	13 336	13 893	14 338	16 410
Tuesday	13 865	13 089	14 267	14 667	15 934
Wednesday	14 370	14 062	14 387	14 369	15 695
Thursday	14 788	13 764	14 264	14 815	16 606
Friday	14 682	15 946	15 600	16 252	17 349
Saturday	14 862	16 151	17 723	15 951	16 880
Sunday	12 558	13 325	13 622	14 019	14 606

RESCUE OPERATIONS BY TIME

	2014	2015	2016	2017	2018
00-02	4 666	4 506	4 982	4 889	5 079
02-04	3 597	3 703	3 887	3 837	3 975
04-06	3 450	3 528	3 703	3 765	4 109
06-08	5 489	5 711	5 826	6 117	6 450
08-10	9 041	9 220	9 440	9 471	10 419
10-12	10 542	10 739	11 204	11 249	12 258
12-14	11 725	11 777	12 224	12 200	13 220
14-16	12 159	12 267	12 561	12 486	14 091
16-18	12 370	12 212	12 369	12 323	13 668
18-20	10 832	10 668	11 182	11 528	12 474
20-22	8 930	8 924	9 523	9 916	10 369
22-24	6 273	6 418	6 855	6 630	7 368

RISK CATEGORIES DEFINED BY ACCIDENT

	2014	2015	2016	2017	2018
Risk class I	4 975	4 730	4 825	5 530	5 105
Risk class II	7 809	7 759	7 736	7 235	7 413
Risk class III	2 286	2 295	2 430	2 452	2 554
Risk class IV	10 994	10 735	11 301	11 508	11 715
Total	26 064	25 519	26 292	26 725	26 787

INTERNATIONAL CIVIL PROTECTION MISSIONS

	2014	2015	2016	2017	2018
Co-operation with neighbouring countries	16	21	16	28	38
Seconded experts ¹ (pers)	15	15	7	3	102
Civil protection module activated ¹	0	1	0	1	0
In kind assistance ² (€)	1 000 550	302 279	722 331	0	155 363

References: ¹Emergency Services Academy Finland, ²Ministry of the Interior

BUILDING FIRES BY BUILDING TYPE

	2014	2015	2016	2017	2018
Residential Building	3 232	2 878	2 971	2 921	2 837
Detached House	1 400	1 283	1 399	1 254	1 289
Attached House	311	304	306	265	289
Block of Flats	1 521	1 291	1 266	1 402	1 259
Free-time Residence	201	149	195	139	155
Commercial Building	333	303	338	317	301
Office Building	113	102	84	74	63
Transport, Communications Build.	92	77	87	69	65
Institutional, Healthcare Building	245	189	247	233	229
Assembly Building	72	77	80	74	86
Educational Building	102	114	108	95	107
Industrial Building	639	545	598	570	604
Warehouse	224	185	205	172	216
Building for Fire Services	5	4	6	4	0
Agricultural Building	213	175	200	179	199
Other Building	567	474	471	515	547
Sauna	268	207	211	229	252
Total	6 038	5 272	5 590	5 362	5 409

CAUSE OF BUILDING FIRE

	2014	2015	2016	2017	2018
Human Activity	2 931	2 599	2 575	2 690	2 499
Machine, Device Failure	1 738	1 554	1 801	1 582	1 757
Natural Phenomena	256	86	148	106	137
Flammable Substance	102	97	127	100	118
Animal	41	50	24	41	44
Other Cause	519	458	499	407	455
Cause Unknown	452	430	417	442	402

BUILDING FIRE CAUSE OF IGNITION

	2014	2015	2016	2017	2018
Cooking	1 060	971	888	975	889
Deliberate	344	330	292	386	325
Open Fire	750	650	632	664	633
Juvenile Fire Setting	46	48	43	54	30
Hot Work	125	130	133	118	120
Match, Other Firemaking Device	107	100	85	85	83
Cigarette, Other Tobacco Product	267	203	201	224	253
Firework, Pyrotechnic Products	18	10	12	11	11
Candle, Outdoor Candle	103	96	80	88	72
Machine, Device, Process	1 695	1 581	1 797	1 590	1 750
Electrical Device	694	677	790	657	721
Hot Object, Ash, Spark	234	201	238	194	225
Fireplace, Flue	736	593	732	617	610
Frictional Heat, Spontaneous Ignition, Explosion	124	97	109	100	112
Natural Phenomena	236	59	119	72	102
Other Known Cause	383	348	344	300	341
Cause Unknown	477	444	440	470	425

INTENTIONALITY OF BUILDING FIRE

	2014	2015	2016	2017	2018
Intentional	450	430	378	491	394
Negligence, Carelessness	1 262	1 025	1 068	1 120	1 060
Accidental	1 083	1 020	1 015	962	947
Unknown	136	124	117	117	98
Total	2 931	2 599	2 578	2 690	2 499

CHIMNEY FIRES

	2014	2015	2016	2017	2018
Building Fire, Not spread	328	264	324	264	281
Building Fire, Spread	19	15	16	13	18

USE OF FIRE EXTINGUISHER IN BUILDING FIRES

	2014	2015	2016	2017	2018
Used	2 005	1 730	1 891	1 840	1 873
Not Used	3 563	3 188	3 333	3 164	3 162
Fire Too Small, Fire Too Large	1 692	1 562	1 687	1 523	1 546
No People At Scene	892	615	620	640	678
No Fire Extinguisher	399	355	355	364	310
Unknown	471	356	367	364	377

EFFECT OF EXTINGUISHING IN BUILDING FIRES

	2014	2015	2016	2017	2018
Fire Extinguished	1 176	1 038	1 116	1 081	1 075
Fire Limited	599	494	536	548	572
No Effect	227	190	231	206	222
Extinguisher Did Not Work	3	8	8	5	4

SMOKE ALARM IN RESIDENTIAL BUILDING

	2014	2015	2016	2017	2018
Smoke Alarm Activated	1 122	1 022	1 049	1 095	1 086
Smoke Alarm Did Not Activate	499	440	443	423	445
Not Enough Time To React	324	283	299	281	286
Smoke Alarm, Battery Broken	78	71	67	77	87
Smoke Alarm Activation Unknown	393	334	381	357	331
No Smoke Alarm	1 007	862	877	829	705

WILDFIRES

	2014	2015	2016	2017	2018
Forest Fire	1 708	768	978	912	2 491
Other Wildfire	1 929	876	1 123	1 351	1 921

CAUSE OF WILDIRE

	2014	2015	2016	2017	2018
Human Activity	2 191	1 110	1 524	1 708	2 288
Natural Phenomena	685	152	130	103	836
Machine, Device Failure	129	64	85	87	209
Animal	26	9	20	25	20
Flammable Substance	26	15	10	13	42
Other Cause	147	76	89	69	262
Cause Unknown	433	216	243	257	653

WILDFIRE CAUSE OF IGNITION

	2014	2015	2016	2017	2018
Open Fire	1 761	890	1 205	1 337	1 730
Juvenile Fire Setting	119	47	79	124	90
Campfire, Grill	487	322	375	338	665
Rubbish Burning	479	258	344	391	353
Cigarette, Other Tobacco Product	264	108	161	168	340
Prescribed Burning	241	73	140	181	126
Natural Phenomena	589	84	77	62	629
Lightning	540	31	39	25	499
Machine, Device, Process	165	84	125	104	318
Hot Object, Ash, Spark	148	78	108	134	246
Frictional Heat, Spontaneous Ignition, Explosion	154	58	79	57	233
Deliberate	176	100	124	148	200
Other Known Cause	178	113	102	111	324
Cause Unknown	466	235	281	309	730

INTENTIONALITY OF WILDFIRE

	2014	2015	2016	2017	2018
Intentional	346	211	268	281	411
Negligence, Carelessness	1 004	484	691	812	1 112
Accidental	595	273	379	395	528
Unknown	247	143	186	220	337
Total	2 192	1 111	1 524	1 708	2 388

VEHICLE FIRES BY VEHICLE TYPE

	2014	2015	2016	2017	2018
Road Vehicle	2 113	2 125	2 217	2 028	2 282
All Terrain Vehicle	26	46	37	47	45
Water Vehicle	41	46	37	37	46
Rail Vehicle	10	11	7	8	11
Air Vehicle	0	1	1	0	2
Other Vehicle	34	43	39	29	39
Total	2 224	2 272	2 338	2 149	2 425

CAUSE OF VEHICLE FIRE

	2014	2015	2016	2017	2018
Machine, Device Failure	1 343	1 349	1 473	1 360	1 585
Human Activity	401	411	408	363	359
Flammable Substance	38	39	16	29	47
Natural Phenomena	7	2	6	8	6
Animal	1	2	2	3	4
Other Cause	106	103	103	81	107
Cause Unknown	328	365	330	305	317

INTENTIONALITY OF VEHICLE FIRES

	2014	2015	2016	2017	2018
Intentional	265	303	282	229	235
Negligence, Carelessness	60	48	45	57	54
Accidental	55	48	54	56	54
Unknown	21	12	27	21	16
Total	401	411	408	363	359

ROAD VEHICLE FIRES

	2014	2015	2016	2017	2018
Passenger Car	1 273	1 351	1 369	1 285	1 354
Van	143	158	157	150	151
Lorry, Truck	239	231	247	238	293
Engine-powered Work Vehicle	83	65	92	59	105
Tractor	108	75	89	97	130
Bus	54	53	60	44	51
Motor Caravan, Caravan	59	51	51	39	49
Moped	69	59	68	53	45
Moped Car	19	23	21	14	17
Off-road Vehicle	26	46	37	47	45
Trailer	24	21	12	15	35
Motorcycle	17	11	17	14	19
Other Road Vehicle	25	27	34	20	33

OTHER FIRES

	2014	2015	2016	2017	2018
Immovable Structure	262	279	292	541	601
Underground Waste Bin	-	-	-	133	103
Waste Shelter	-	-	-	120	81
Remains of a Burnt Building	-	-	-	118	158
Playhouse, Hut	-	-	-	75	90
Mobile Structure	130	148	149	196	147
Demountable Body	59	80	56	87	62
Barrack	35	26	30	16	16
Waste Materials, Recycle Materials	744	727	680	428	516
Less than 15m ³	-	-	-	390	455
More than 15m ³	-	-	-	38	61
Stack of Wood Materials	269	246	238	247	293
Less than 15m ³	-	-	-	179	210
More than 15m ³	-	-	-	68	83
Transformer, Utility Pole	258	193	195	194	246
Other Material	778	659	742	723	591

CAUSE OF OTHER FIRE

	2014	2015	2016	2017	2018
Human Activity	1 591	1 540	1 509	1 553	1 422
Machine or Device Failure	238	205	231	240	255
Natural Phenomena	184	117	136	121	182
Flammable Substance	23	16	24	28	47
Animal	14	10	9	5	6
Other Cause	179	161	175	166	246
Cause Unknown	212	202	212	216	236

OTHER FIRE CAUSE OF IGNITION

	2014	2015	2016	2017	2018
Open Fire	783	735	777	749	774
Juvenile Fire Setting	44	43	57	83	46
Campfire, Grill	108	94	100	115	131
Rubbish Burning	140	137	120	155	215
Match, Other Firemaking Device	180	185	150	119	113
Cigarette, Tobacco	197	146	192	161	169
Firework, Pyrotechnic Products	76	101	122	77	62
Fireplace, Flue	25	27	30	29	30
Machine, Equipment, Process	200	159	198	216	228
Electrical Device	95	93	97	111	113
Hot Object, Ash, Spark	79	107	107	97	126
Frictional Heat, Spontaneous Ignition, Explosion	116	102	133	106	163
Natural Phenomena	120	63	53	54	88
Deliberate	562	597	521	582	453
Other Known Cause	223	199	201	213	271
Cause Unknown	333	262	276	283	261

INTENTIONALITY OF OTHER FIRE

	2014	2015	2016	2017	2018
Intentional	867	924	802	853	711
Negligence, Carelessness	342	284	319	332	353
Accidental	172	153	165	166	171
Unknown	210	179	224	202	187
Total	1 591	1 540	1 510	1 553	1 422

TRAFFIC ACCIDENTS

	2014	2015	2016	2017	2018
Road Traffic	13 246	13 608	14 038	14 909	14 621
Rail Transport	135	138	151	160	154
Railway Level Crossing	55	67	56	58	64
Waterway Transport	94	99	77	92	90
Air Traffic	26	34	29	22	32
Off-road traffic	126	145	167	174	147
Other Traffic	126	145	167	174	147
Total	13 738	14 146	14 590	15 496	15 193

OIL SPILLS

	2014	2015	2016	2017	2018
Road Vehicle	1 465	1 453	1 489	1 666	1 712
Other Vehicle	290	311	283	282	320
Water Vehicle	80	71	96	85	87
Rail Vehicle	8	9	6	8	3
Other Machine or Device	131	132	133	147	166
Overfill	152	153	196	159	168
Tank Leak	67	55	52	61	75
Other Leak in Storing, Dispensing Device	129	115	141	125	127
Unknown Oil Spill in Water Body, Sewer	116	111	116	91	133
Treatment of Waste Oil, Used Oil	43	29	29	34	43
Other Cause	217	196	202	221	223
Total	2 698	2 635	2 743	2 879	3 057

HAZARDOUS MATERIAL ACCIDENT SITE

	2014	2015	2016	2017	2018
Street, Other Urban Area	1 008	986	962	1 106	1 093
Highway	678	701	652	732	772
Port, Water Body	248	226	257	244	274
Yard, Railway	23	25	18	18	15
Shop, Petrol Outlet	175	200	212	175	185
Warehouse, Warehouse Area	181	154	130	144	183
Industrial Plant	103	99	101	94	99
Residential Building	99	105	132	109	92
Public Building	46	54	48	43	44
Accommodation, Restaurant Premises	14	8	13	13	11
Other Building	85	80	99	90	118
Other Site	400	363	429	399	485
Total	3 060	3 001	3 053	3 167	3 371

ADR CLASSIFICATION OF HAZARDOUS MATERIAL ACCIDENTS

	2014	2015	2016	2017	2018
Explosives	0	0	0	1	0
Gases	85	86	90	75	83
Flammable Liquids	1 393	1 314	1 348	1 241	1 361
Flammable Solids	9	5	6	3	3
Oxidising Substances, Organic Peroxides	8	11	9	13	9
Toxic, Infectious Substances	5	2	5	5	3
Radioactive Substances	0	0	1	1	1
Corrosive Substances	51	44	58	53	53
Other Hazardous Material, Goods	23	27	18	28	22

CAUSE OF LOSS PREVENTION OPERATIONS

	2014	2015	2016	2017	2018
Natural Phenomena	4 823	8 846	6 193	5 775	6 566
Wind, Storm	3 880	7 318	4 909	4 290	5 558
Flood, Rain Water	411	316	723	392	499
Snow, Ice	348	1045	199	938	284
Frost	48	25	230	48	68
Defect or Malfunction in a Machine, Device	977	910	1 223	1 072	1 126
Defect, Malfunction of Mains	529	444	724	523	609
Defect, Malfunction of Vehicle	267	264	273	324	303
Human Activity	871	841	870	904	1023
Animal	42	30	29	33	39
Other Cause	283	277	284	276	309
Cause Unknown	101	120	109	126	147

CAUSE OF ASSISTANCE OPERATIONS

	2014	2015	2016	2017	2018
Assistance of EMS	2 944	3 357	3 880	4 468	5 050
Human Activity	285	397	399	486	535
Defect, Malfunction in a Machine, Device	232	205	238	285	359
Defect, Malfunction of Vehicle	144	129	112	135	125
Defect, Malfunction of Mains	14	10	13	18	26
Defect, Malfunction of Grid	6	8	5	6	6
Natural Phenomena	73	103	101	85	109
Wind, Storm	32	50	33	34	40
Flood, Rain Water	13	26	26	9	18
Snow, Ice	13	18	29	32	36
Animal	44	37	62	51	49
Other Cause	222	217	211	232	240
Cause Unknown	16	16	12	12	11

HUMAN RESCUE OPERATIONS

	2014	2015	2016	2017	2018
Water Rescue	479	411	422	367	434
Rescue from Trap, Shaft, Collapse, Well	58	43	56	47	52
Rescue from Other Dangerous Place, Situation	280	276	301	269	288
Rescue from Place, Situation with No Immediate Danger	552	536	463	489	492
Rescue from Terrain	362	416	455	514	365
Lift Rescue	644	615	508	447	470
Other Rescue Operation	148	169	131	140	131

ANIMAL RESCUE OPERATIONS

	2014	2015	2016	2017	2018
Water Rescue	250	229	321	257	303
Rescue from Trap, Shaft, Collapse, Well	194	225	237	206	246
Rescue from Other Dangerous Place, Situation	186	197	223	194	200
Rescue from Place, Situation with No Immediate Danger	968	1 058	1 051	941	1 116
Rescue from Terrain	94	168	107	121	129
Lift Rescue	4	5	9	6	7
Other Rescue Operation	448	497	554	654	827

CAUSE FOR AUTOMATIC FIRE ALARM

	2014	2015	2016	2017	2018
Fire, Hazardous Material Accident	809	802	824	778	708
Cooking	3 125	3 421	3 946	3 439	3 290
Negligence in Property Repair, Installation, Maintenance Work	2 314	2 201	2 298	2 313	2 416
Other Smoke, Dust	2 025	1 939	2 036	1 881	1 995
Moisture, Water	1 533	1 412	1 712	1 421	1 375
Sprinkler System Failure	861	838	1 061	815	1 043
Sensor Failure in Fire Alarm, Fixed Fire Extinguishing System	621	504	596	537	568
Other System Failure	430	436	363	365	366
Exhaust Gas	143	126	172	137	156
Smoking	185	291	349	273	230
Error, Misuse	414	466	426	485	465
Malicious Use	391	516	514	520	430
Impact on Sensor	263	261	272	299	327
Temporary High Temperature	351	255	285	220	318
Overtoltage	297	115	193	97	174
Other Cause, Cause Unknown	4 425	4 089	4 408	3 959	4 351

AUTOMATIC FIRE ALARMS

	2014	2015	2016	2017	2018
Building Fire	765	748	784	708	656
Building Fire, Not spread	692	669	724	617	579
Vehicle Fire	5	4	6	6	6
Other Fire	21	28	19	35	27
Hazardous Material Accident	16	21	10	26	18
Explosion, Risk of Explosion	2	3	5	5	1
Total	18 928	18 386	20 113	18 145	18 855
Share of False Alarm (%)	96	96	96	96	96

OTHER CHECK OR INSPECTION OPERATIONS

	2014	2015	2016	2017	2018
Smoke Observation	3 866	3 867	3 868	3 869	3 870
Blind Call	626	552	592	624	684
Oil Observation	532	493	463	491	606
Gas Observation	142	132	119	139	199
Chemical Observation	116	126	118	116	142
False Call	112	119	96	108	137
Risk of Air Crash	95	89	129	108	107
Carbon Monoxide Alarm Check	40	44	53	45	52
Other Cause	3 813	3 390	3 671	3 730	5 447

5 ACCIDENT DAMAGES

DEATHS

	2014	2015	2016	2017	2018
Building Fire	85	69	80	58	53
Wildfire	1	0	0	1	0
Vehicle Fire	2	5	4	2	1
Other Fire	0	1	2	2	0
Traffic Accident	249	265	270	233	247
Oil Spill	0	0	0	0	0
Hazardous Material Accident	3	0	0	0	1
Explosion, Risk of Explosion	1	0	0	0	0
Collapse, Risk of Collapse	3	0	1	0	0
Human Rescue	159	133	128	106	135

INJURED

	2014	2015	2016	2017	2018
Building Fire	772	588	678	617	596
Wildfire	36	4	20	22	14
Vehicle Fire	29	50	72	50	50
Other Fire	14	13	25	7	10
Traffic Accident	10 103	9 781	9 472	9 651	9 170
Oil Spill	16	14	8	7	6
Hazardous Material Accident	29	69	121	71	80
Explosion, Risk of Explosion	12	9	5	9	7
Collapse, Risk of Collapse	1	4	4	12	4
Human Rescue	599	627	635	701	571

FIRE DEATHS

	2014	2015	2016	2017	2018
Fire Deaths	86	74	82	61	51
Accidental	73	63	65	50	38
Deaths per Million Inhabitants	16	13	15	11	9

FIRE DEATHS BY GENDER

	2014	2015	2016	2017	2018
Men	58	54	59	44	38
Women	28	19	23	17	13

FIRE DEATHS BY CAUSE OF IGNITION

	2014	2015	2016	2017	2018
Cooking	9	4	4	1	4
Deliberate	18	11	17	11	13
Open Fire	34	21	23	24	19
Cigarette, Other Tobacco Product	27	16	16	20	13
Electrical Device	6	2	7	6	6
Other Known Cause	11	14	19	11	3
Cause Unknown	8	22	12	8	6

FIRE DEATHS BY BUILDING TYPE

	2014	2015	2016	2017	2018
Residential Building	77	58	61	55	46
Detached houses	36	41	31	34	25
Attached houses	11	3	14	3	6
Blocks of flats	26	14	16	16	15
Free-time Residence	4	4	11	2	1
Institutional, Healthcare Building	1	2	0	0	0
Other Building	3	4	2	5	0

SMOKE ALARM ACTIVATION IN FATAL FIRES

	2014	2015	2016	2017	2018
Smoke Alarm Activated	15	10	10	13	10
Smoke Alarm Did Not Activate	6	6	7	1	5
Smoke Alarm Activation Unknown	17	33	40	25	24
No Smoke Alarm	19	13	15	16	8

TOTAL PROPERTY DAMAGES FROM FIRES

	2014	2015	2016	2017	2018
Burnt Floor Area in Residential Building Fires (m ²)	75 394	66 363	75 142	67 445	64 797
Damage to Building, Furnishings in Building Fires (MEUR)	141	103	142	167	239
Property in Danger in Building Fires (MEUR)	2 838	2 969	2 920	3 150	2 615
Burnt Land Area (ha)	1 325	308	558	788	1 637
Burnt Forest Area (ha)	888	146	322	470	1 233
Vehicle Fire (MEUR)	26	20	23	17	28
Other Fire (MEUR)	9	10	8	5	10

AVERAGE PROPERTY DAMAGES FROM FIRES

	2014	2015	2016	2017	2018
Burnt Floor Area in Residential Building Fires (m ²)	23	22	24	22	22
Damage to Building, Furnishings in Building Fires (€)	23 413	19 527	25 350	31 132	44 612
Burnt Land Area (ha)	0,36	0,19	0,27	0,35	0,37
Burnt Forest Area (ha)	0,52	0,19	0,33	0,52	0,50
Vehicle Fire (€)	11 655	8 698	9 685	7 754	11 398
Other Fire (€)	3 809	4 290	3 473	2 073	4 074

6 RESCUE ACTIVITIES

RESCUED AND EVACUATED PERSONS

	2014	2015	2016	2017	2018
Building Fire	3 361	2 076	1 630	2 388	1 310
Vehicle Fire	15	13	453	69	108
Other Fire	31	1	2	20	77
Traffic Accident	1 216	1 218	1 217	1 454	1 208
Hazardous Material Accident	180	205	342	126	84
Explosion, Risk of Explosion	47	4	0	57	180
Collapse, Risk of Collapse	1	52	2	0	1
Human Rescue	2 121	1 918	1 823	1 805	1 733

ACTIVITIES AT RESCUE OPERATIONS

	2014	2015	2016	2017	2018
Extinguishing, Confining Fire	9 805	7 557	8 227	8 222	10 493
Smoke Venting	4 414	4 383	4 701	4 739	4 601
Technical Rescue, Clearing	12 540	15 702	13 328	13 912	15 111
Prehospital Care	17 035	17 224	18 789	20 636	20 767
Warning the population	65	76	88	82	94

METHODS OF RESCUE ACTIVITIES

	2014	2015	2016	2017	2018
Water Extinguishing	8 141	6 158	6 785	6 630	8 791
Using the Extinguishing Cutter	108	71	92	38	52
Foam Extinguishing	828	873	911	814	985
Use of Fire Extinguisher	-	-	-	578	705
Smoke Diving	2 057	2 040	2 089	1 769	1 776
Surface Rescue	241	223	279	222	245
Water Diving	78	75	62	65	75
Forcible Entry	1 419	1 267	1 498	1 502	1 687

MEDIAN OF THE RESPONSE TIME OF FIRST UNIT*

	2014	2015	2016	2017	2018
Time 08-16	7:14	7:14	7:13	7:20	7:37
Time 16-24	7:36	7:33	7:37	7:43	7:57
Time 00-08	8:10	8:16	8:12	8:11	8:23
	7:34	7:34	7:34	7:40	7:54

*Urgent assignments excluding medical assignments

MEDIAN OF THE RESPONSE TIME

	2014	2015	2016	2017	2018
Risk Class I	10:39	10:42	10:39	10:50	10:48
Risk Class II	10:56	11:02	11:06	11:16	11:13
Risk Class III	10:21	10:33	10:36	10:40	11:06
Risk Class IV	15:26	15:13	15:24	15:29	15:37
	12:00	12:03	12:07	12:13	12:21

RISK SQUARES** WHERE THE RESPONSE TIME IS NOT ACHIEVED

	2014	2015	2016	2017	2018
Risk Class I (11 min)	128	127	125	160	152
Risk Class II (14 min)	19	15	21	17	16
Risk Class III (22 min)	1	0	0	0	0
Risk Class IV (40 min)	0	0	0	0	0

**Only those risk squares where at least 5 incidents per year have taken place have been taken into account

MEDIAN OF THE TOTAL RESPONSE TIME

	2014	2015	2016	2017	2018
Helsinki	13:14	13:28	13:18	13:12	13:25
Länsi-Uusimaa	14:19	13:58	13:47	13:52	13:46
Keski-Uusimaa	13:37	13:28	13:52	13:35	13:47
Itä-Uusimaa	13:48	14:03	14:12	14:25	13:53
Varsinais-Suomi	14:01	14:09	13:53	14:04	14:11
Kanta-Häme	14:48	14:20	14:24	14:22	14:49
Päijät-Häme	14:21	14:10	13:39	14:18	14:18
Kymenlaakso	14:46	14:34	14:25	14:22	14:46
South Karelia	15:44	15:31	16:21	16:20	16:04
Etelä-Savo	17:47	17:32	19:00	18:00	17:48
Central Finland	15:55	16:16	16:23	16:49	16:41
Pirkanmaa	14:27	14:04	14:06	14:18	14:17
Satakunta	14:20	14:01	14:27	14:06	14:34
South Ostrobothnia	14:25	14:20	14:46	14:39	14:45
Ostrobothnia	14:54	14:50	15:18	15:24	14:44
Central Ostrobothnia	13:30	13:10	13:16	13:43	13:24
Pohjois-Savo	16:13	16:27	16:17	15:58	16:06
North Karelia	17:34	17:12	17:41	18:19	18:13
Jokilaaksot	16:04	15:59	16:10	16:32	16:42
Kainuu	18:55	18:04	18:17	18:22	18:38
Oulu-Koillismaa	14:18	14:07	14:48	14:26	14:25
Lapland	17:54	18:08	17:23	17:49	18:36
	14:41	14:35	14:40	14:40	14:46