



PELASTUSOPISTO

Finnish Rescue Services' Pocket Statistics 2018–2022

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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. In the beginning of 2021 there's been some regional movements of rescue departments. For example, Heinävesi moved to rescue service region of North Karelia and Joroinen moved to rescue service region of North Savo.

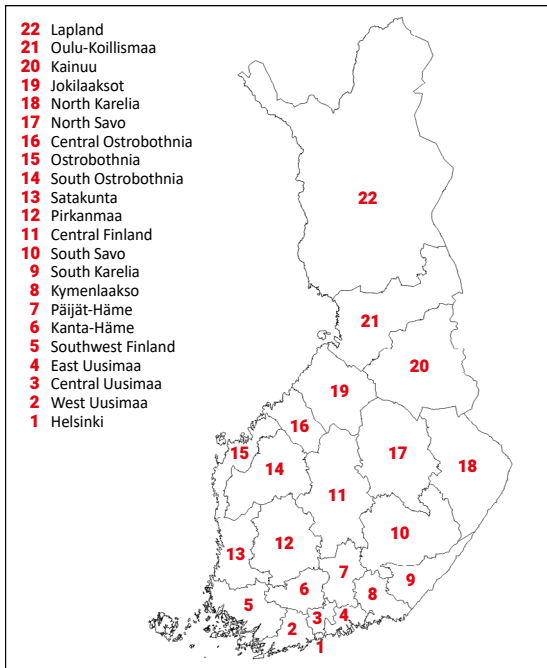
The pocket statistics is based on the data in the rescue services resource and accident statistics program (PRONTO) from 2018–2022, unless indicated otherwise. PRONTO is maintained by the regional rescue departments. The data in the statistics were gathered directly from PRONTO without a nationwide check.

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. The regional assignments for 2022 are partly insufficient. Rescue departments didn't leave information by given deadline.

2 Rescue Service System and Resources

Rescue Service Regions



Rescue Service Regions 2021

	Popula- tion*	Surface Area (km ²)	Risk Squares by Risk Class				Land Area (km ²)
			I	II	III	IV	
Helsinki	656 920	716	130	53	17	522	213
West Uusimaa	473 838	7 855	101	158	179	7 508	4 242
Central Uusimaa	473 666	1 986	98	189	111	1 587	1 940
East Uusimaa	98 254	5 537	19	39	76	5 414	2 736
Southwest Finland	481 403	20 539	37	248	291	20 045	10 663
Kanta-Häme	170 577	5 706	12	107	137	5 449	5 200
Päijät-Häme	205 771	6 941	14	113	97	5 498	5 124
Kymenlaakso	162 812	6 732	12	129	133	7 242	5 113
South Karelia	126 921	7 236	3	96	110	6 793	5 615
South Savo	132 702	16 737	7	95	96	18 895	13 984
Central Finland	272 617	19 015	15	159	218	19 559	16 706
Pirkanmaa	522 852	15 408	35	263	284	14 015	12 444
Satakunta	215 416	11 636	18	167	172	10 953	7 957
South Ostrobothnia	192 150	14 358	3	130	169	12 870	13 445
Ostrobothnia	144 800	17 054	8	65	173	16 128	7 381
Central Ostrobothnia	99 004	9 116	7	59	66	8 366	6 215
North Savo	248 265	21 080	21	130	141	20 052	16 771
North Karelia	163 537	22 903	6	104	115	21 540	17 764
Jokilaaksot	116 866	17 259	3	76	109	17 783	13 499
Kainuu	71 664	22 689	2	53	61	24 486	21 503
Oulu-Koillismaa	296 964	27 944	18	152	167	25 935	21 739
Lapland	176 665	100 368	6	105	170	101 119	92 663
Total	5 503 664	378 815	576	2 720	3 135	386 871	302 917

*Population 31.12.2021

Rescue Service Regions 2022

	Popula- tion*	Surface Area (km ²)	Risk Squares by Risk Class				Land Area (km ²)
			I	II	III	IV	
Helsinki	658 457	716	130	53	17	522	213
West Uusimaa	478 919	7 855	101	158	179	7 508	4 242
Central Uusimaa	478 292	1 986	98	189	111	1 587	1 940
East Uusimaa	99 073	5 537	19	39	76	5 414	2 736
Southwest Finland	483 477	20 539	37	248	291	20 045	10 663
Kanta-Häme	170 213	5 706	12	107	137	5 449	5 200
Päijät-Häme	205 124	6 941	14	113	97	5 498	5 124
Kymenlaakso	161 391	6 732	12	129	133	7 242	5 113
South Karelia	126 107	7 236	3	96	110	6 793	5 615
South Savo	131 688	16 737	7	95	96	18 895	13 984
Central Finland	272 683	19 015	15	159	218	19 559	16 706
Pirkanmaa	527 478	15 408	35	263	284	14 015	12 444
Satakunta	214 281	11 636	18	167	172	10 953	7 957
South Ostrobothnia	191 762	14 358	3	130	169	12 870	13 445
Ostrobothnia	176 041	17 054	8	65	173	16 128	7 381
Central Ostrobothnia	99 076	8 466	7	59	66	8 366	6 215
North Savo	248 363	21 080	21	130	141	20 052	16 771
North Karelia	163 281	22 903	6	104	115	21 540	17 764
Jokilaaksot	-	17 259	3	76	109	17 783	13 499
Kainuu	71 255	22 689	2	53	61	24 486	21 503
Oulu-Koillismaa	176 494	27 944	18	152	167	25 935	21 739
Lapland	176 494	100 368	6	105	170	101 119	92 663
Total	5 517 897	378 815	576	2 720	3 135	386 871	302 917

*Population 31.12.2022

Number of Fire Stations*

	2018	2019	2020	2021	2022
Fire Stations within Rescue Service Region	339	-	375	379	377
Contract Fire Brigades	491	-	523	512	513
Industrial, Institutional Fire Brigades	91	-	95	96	95

*The fire station occupied by voluntary or part-time personnel is counted as fire department's fire station

**The information of the year 2022 has been gathered 4.4.2023

Rescue Service Vehicles**

	2018	2019	2020	2021	2022
Fire Engine	1 054	-	1 075	1 072	1 110
Lightweight Fire Truck	25	-	33	37	38
Water Tender	476	-	470	469	469
Ladder Unit, Hydraulic Platform Truck	80	-	78	78	78
Heavy Rescue Unit	44	-	43	43	44
Gear Truck	83	-	85	77	76
Foam Tender, Dry Powder Appliance	53	-	55	53	53
Damage Control Tender	24	-	24	24	24
Hazardous Materials Unit	17	-	18	18	17
Incident Command, Control Unit	184	-	186	162	163
Personnel Carrier	762	-	781	782	785
Rescue Diving Appliance	29	-	27	27	27
Other Rescue Service Vehicle	111	-	137	139	139
Snowmobile	204	-	207	212	225
ATV (all-terrain vehicle), Track Vehicle	318	-	346	370	375
Boat	733	-	776	779	783
Other Vessel	78	-	67	67	79
EMS Vehicle	236	-	244	519	550
Other Vehicle	805	-	504	508	536
Trailer	157	-	185	272	403
Container	99	-	119	145	159

Rescue Departments' Financial* 2021 (€/inhabitant)

	Contributions of Municipalities Excluding Rent and Depreciation Costs	Investments	Expenditure Excluding Depreciation Costs	Revenue Excluding Contributions of Municipalities
Helsinki	-11	3	70	7
West Uusimaa	59	4	71	3
Central Uusimaa	51	5	59	4
East Uusimaa	89	6	103	6
Southwest Finland	63	6	106	40
Kanta-Häme	63	5	72	7
Päijät-Häme	76	0	104	3
Kymenlaakso	76	7	108	8
South Karelia	87	0	111	6
South Savo	82	3	100	8
Central Finland	76	4	89	3
Pirkanmaa	67	4	111	39
Satakunta	79	2	133	39
South Ostrobothnia	75	5	97	3
Ostrobothnia	71	6	82	6
Central Ostrobothnia	82	14	166	75
North Savo	69	6	82	5
North Karelia	77	7	167	87
Jokilaaksot	105	0	144	19
Kainuu	124	4	138	8
Oulu-Koillismaa	59	11	127	64
Lapland	85	6	99	6
Average for Whole Land	73	5	106	20

*EMS information not been included

Rescue Departments' Financial* 2022 (€/inhabitant)

	Contributions of Municipalities Excluding Rent and Depreciation Costs	Investments	Expenditure Excluding Depreciation Costs	Revenue Excluding Contributions of Municipalities
Helsinki	-	-	-	-
West Uusimaa	61	4	74	3
Central Uusimaa	51	1	61	2
East Uusimaa	92	4	113	7
Southwest Finland	71	4	82	8
Kanta-Häme	70	4	83	8
Päijät-Häme	77	4	102	4
Kymenlaakso	95	11	116	8
South Karelia	90	1	116	10
South Savo	-	-	-	-
Central Finland	78	3	95	3
Pirkanmaa	68	1	78	3
Satakunta	81	7	102	5
South Ostrobothnia	78	4	101	4
Ostrobothnia	-	-	-	-
Central Ostrobothnia	116	6	150	10
North Savo	83	4	116	6
North Karelia	84	5	132	40
Jokilaaksot	-	-	-	-
Kainuu	-	-	-	-
Oulu-Koillismaa	-	-	-	-
Lapland	94	9	118	8
Average for Whole Land	75	5	95	7

*EMS information not been included

Rescue Departments' Financial (MEUR)

	2018	2019	2020	2021	2022
Revenue*	29	28	25	36	-
Expenditure*	415	428	435	462	-
Personnel Costs*	266	272	277	291	-
Net Expenditure*	360	374	387		-
Investments*	11	10	18	14	-
Revenue, EMS	151	155	161	167	-
Expenditure, EMS	147	152	158	164	-

*EMS informaton not been included

Rescue Service Personnel

	2020	2021	2022
Full-time Employees of Rescue Departments	6 318	6 657	-
Contract Fire Brigade Personnel	14 835	14 642	-
Ministry of the Interior, Department of Rescue ¹	49	62	61
Emergency Services Academy Finland ²	125	140	134
Regional State Administrative Agencies, Department of Rescue ³	37	37	53

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

Rescue Departments' ** Full-time Equivalent

	2019	2020	2021	2022
Administrative, Support Services	582	570	615	-
Safety Services	382	351	375	-
Emergency Medical Services	1 957	1 971	2 105	-
Rescue Services	3 812	3 796	3 900	-
Total	6 463	6 424	6 726	-

**Full-time employee

Personnel of Rescue Departments 2021

	Full-time Personnel				Contract Personnel	
	Total	Rescue Services, Women	Rescue Services, Men	Performance Test Approved	Rescue Services	Performance Test Approved
Helsinki	766	3	485	-	-	0
West Uusimaa	603	0	331	335	836	226
Central Uusimaa	513	2	289	231	519	221
East Uusimaa	182	2	89	74	628	91
Southwest Finland	466	3	253	-	0	0
Kanta-Häme	251	0	130	110	402	129
Päijät-Häme	248	0	180	147	477	51
Kymenlaakso	187	0	154	145	589	139
South Karelia	116	0	91	77	500	76
South Savo	168	2	104	84	514	75
Central Finland	351	2	195	209	925	713
Pirkanmaa	615	6	409	384	920	211
Satakunta	252	1	162	165	898	142
South Ostrobothnia	116	1	88	83	684	263
Ostrobothnia	197	2	85	75	358	205
Central Ostrobothnia	104	2	70	65	325	50
North Savo	295	1	194	195	137	137
North Karelia	276	0	123	110	291	124
Jokilaaksot	288	1	83	88	585	128
Kainuu	84	1	73	69	85	52
Oulu-Koillismaa	410	0	182	125	335	98
Lapland	169	1	144	125	650	499

Personnel of Rescue Departments 2022

	Full-time Personnel				Contract Personnel	
	Total	Rescue Services, Women	Rescue Services, Men	Performance Test Approved	Rescue Services	Performance Test Approved
Helsinki	-	-	-	-	-	-
West Uusimaa	596	6	347	340	0	0
Central Uusimaa	513	2	289	231	519	221
East Uusimaa	185	4	91	75	640	77
Southwest Finland	472	3	263	230	401	327
Kanta-Häme	268	0	138	112	402	41
Päijät-Häme	250	0	181	143	605	46
Kymenlaakso	188	0	154	139	555	120
South Karelia	124	0	99	84	500	78
South Savo	176	2	114	79	452	50
Central Finland	-	-	-	-	-	-
Pirkanmaa	599	6	391	384	912	180
Satakunta	220	1	159	146	823	135
South Ostrobothnia	156	1	88	83	684	263
Ostrobothnia	105	2	88	77	310	139
Central Ostrobothnia	83	2	66	65	346	106
North Savo	293	2	197	231	155	155
North Karelia	281	0	123	118	177	83
Jokilaaksot	109	1	83	88	585	128
Kainuu	-	-	-	-	-	-
Oulu-Koillismaa	-	-	-	-	-	-
Lapland	168	0	144	125	659	499

3 Accident Prevention

Safety Education

	2018	2019	2020	2021	2022
Events	11 038	11 167	4 828	5 110	7 675
Participants	874 589	858 876	241 547	285 017	653 352
Share of Population (%)	16	16	4	5	12

Safety Education Events by Type of Implementation

	2018	2019	2020	2021	2022
Safety Information Campaigns	586	616	244	183	410
Fairs, Other Public Events	1 814	1 828	489	404	1 276
Safety Training	6 943	7 069	3 212	3 821	5 014
Safety Advicing	1 427	1 399	647	556	829
Media Communication	268	254	235	146	149

Safety Education Events by Target Group

	2018	2019	2020	2021	2022
Citizens, Public Servants	7 525	7 589	3 147	2 710	1 880
Children, the Young	4 764	4 958	2 193	1 875	3 025
Public Servants, Trustees	107	134	100	91	107
Companies, Institutions	2 980	3 107	1 502	2 165	2 405
Personnel in Care Institution	1 623	1 724	845	1 436	1 368
Personnel in Education Institution	370	327	151	216	276
Personnel in Day Care Center	263	310	163	186	218
Civil Defence Organisations	51	33	11	3	13
Other Target Group	483	437	166	236	335

Fire Inspections

	2018	2019	2020	2021	2022
Planned inspections	40 754	34 316	28 919	27 694	27 095
Inspections	37 416	34 127	24 170	25 528	23 442
A1 Building in Use 24/7	3 826	3 898	2 843	3 511	3 308
A2 Education Building, Day Care Center	3 400	2 914	2 657	2 797	2 438
A3 Assembly, Commercial	5 034	5 495	4 526	5 185	4 532
A4 Production, Storage Building	5 590	5 803	4 772	5 380	4 904
A5 Agricultural Building	1 974	2 370	1 736	1 815	1 852
A6 Other Annually Inspected	2 852	2 903	2 390	2 891	2 556
Residential Building	12 335	10 644	5 214	3 893	3 825
Free-time Residence	2 405	100	32	88	27

Document Auditing

	2018	2019	2020	2021	2022
Self-Inspection Checklists	67 861	80 602	89 087	82 174	85 678
Returning-%	79	79	85	81	75
Rescue Plans	1 152	1 176	920	737	947
Rescue Plans for Events	3 966	4 557	1 521	2 081	4 778
Documents of Technical Fire Safety Installations	7 612	8 795	9 991	10 057	10 214
Other Document Auditing	3 941	4 775	3 289	5 221	2 866
Total	84 532	99 905	104 808	100 270	104 483

4 Rescue Operations

Rescue Operations by Type

	2018	2019	2020	2021	2022
Fires	14 268	12 602	12 041	12 208	11 909
Building Fire	5 317	5 178	4 860	5 213	5 083
Building Fire, Not spread	3 296	3 127	3 012	3 254	3 195
Vehicle Fire	2 331	2 187	2 118	2 179	2 131
Wildfire	4 252	2 920	2 641	2 357	2 265
Other Fire	2 368	2 317	2 422	2 459	2 430
Other Accidents	18 355	20 364	18 975	20 237	19 422
Traffic Accident	15 161	17 214	15 654	16 988	16 315
Oil Spill	2 777	2 715	2 960	2 865	2 686
Hazardous Material Accident	320	342	311	311	297
Explosion, Risk of Explosion	25	23	25	20	24
Collapse, Risk of Collapse	72	70	25	53	100
Other Operations	80 856	75 004	70 958	70 928	70 093
Fire Alarm System Check or Inspection	18 141	17 404	15 705	16 714	16 694
Smoke Alarm System Check or Inspection	4 284	3 731	3 455	4 978	4 223
Other Check or Inspection	11 245	10 678	10 965	10 687	10 192
First Response	25 096	22 838	13 901	16 486	17 134
Human Rescue	2 232	2 301	2 095	2 346	2 282
Animal Rescue	2 831	1 997	1 901	2 194	2 182
Loss Prevention	9 210	7 885	15 130	9 603	8 224
Assistance	6 355	6 619	6 180	6 657	7 485
Executive Assistance	1 462	1 551	1 626	1 262	1 674
Total	113 479	107 970	101 974	103 373	101 424

Rescue Operations by Rescue Service Region

	2018	2019	2020	2021	2022
Helsinki	9 600	8 524	8 067	8 650	8 647
West Uusimaa	8 248	7 592	7 839	7 818	8 018
Central Uusimaa	8 012	8 021	6 862	7 876	7 998
East Uusimaa	2 358	2 220	2 174	2 295	2 128
Southwest Finland	8 909	9 254	8 737	8 093	7 757
Kanta-Häme	4 083	3 748	3 490	3 267	3 082
Päijät-Häme	4 714	4 411	4 191	7 657	4 467
Kymenlaakso	3 831	3 470	3 523	3 263	3 414
South Karelia	3 003	3 082	2 639	2 803	3 091
South Savo	3 947	3 653	3 363	3 417	2 888
Central Finland	5 686	5 412	5 308	5 113	4 543
Pirkanmaa	11 000	9 513	9 362	9 326	9 048
Satakunta	5 776	5 526	5 506	4 748	4 973
South Ostrobothnia	4 854	5 084	4 383	4 489	4 570
Ostrobothnia	3 171	3 000	2 973	2 390	2 544
Central Ostrobothnia	1 977	2 002	1 919	1 678	1 728
North Savo	-	-	-	-	146
North Karelia	5 619	5 414	4 974	5 055	4 505
Jokilaaksot	4 311	3 746	3 326	3 563	3 513
Kainuu	3 000	3 177	3 057	3 228	3 039
Oulu-Koillismaa	1 715	1 578	1 690	1 673	1 826
Lapland	4 847	5 090	4 652	5 805	5 118
Lappi	4 804	4 484	3 924	4 155	4 318
Cooperations*	2 144	3 496	3 474	3 517	3 518

*With Norway, Russia and Sweden

Rescue Operations by Urgency

	2018	2019	2020	2021	2022
Urgent (A+B)	78 921	77 041	63 350	69 942	68 516
Non-urgent (C+D)	28 251	24 124	33 056	30 736	30 059
Canceled	6 140	6 160	4 915	23 782	24 519

Rescue Operations by Month

	2018	2019	2020	2021	2022
January	8 539	9 946	7 930	9 004	7 718
February	7 995	7 999	9 452	7 140	7 266
March	8 221	7 720	7 499	6 449	7 960
April	8 002	8 741	6 054	6 867	7 155
May	10 622	9 659	7 236	8 368	8 592
June	12 737	10 538	11 350	12 533	9 460
July	12 216	10 070	9 154	11 123	9 491
August	10 944	9 763	8 356	9 257	11 106
September	10 191	8 290	11 100	7 932	7 891
October	8 165	8 151	7 353	7 961	8 178
November	7 476	8 215	9 577	7 486	7 442
December	8 372	8 879	6 913	9 253	9 152

Rescue Operations by Week Day

	2018	2019	2020	2021	2022
Monday	16 410	14 832	13 521	13 987	14 261
Tuesday	15 934	15 451	13 397	15 277	14 100
Wednesday	15 695	16 264	13 883	15 716	14 099
Thursday	16 606	14 910	17 575	14 313	13 951
Friday	17 349	16 595	14 683	15 574	15 020
Saturday	16 880	16 079	15 147	15 247	16 791
Sunday	14 606	13 840	13 768	13 259	13 189

Rescue Operations by Time

	2018	2019	2020	2021	2022
00-02	5 079	5 019	4 604	4 706	4 625
02-04	3 975	4 015	3 487	3 550	3 549
04-06	4 109	4 116	3 609	3 478	3 587
06-08	6 450	6 533	6 049	6 023	5 927
08-10	10 419	10 134	8 959	9 401	9 165
10-12	12 258	11 620	11 122	10 906	10 802
12-14	13 220	12 635	12 326	12 267	11 985
14-16	14 091	12 979	12 684	12 981	12 724
16-18	13 668	12 800	12 357	12 775	12 194
18-20	12 474	11 488	11 111	11 464	11 167
20-22	10 369	9 595	9 112	9 224	9 156
22-24	7 368	7 037	6 554	6 598	6 530

Risk Categories Defined by Accident

	2018	2019	2020	2021	2022
Risk class I	29 266	27 933	25 271	26 785	26 910
Risk class II	35 588	34 744	32 103	34 547	34 312
Risk class III	12 464	12 064	10 553	10 396	10 378
Risk class IV	36 122	33 216	33 419	30 941	29 183
Total	113 440	107 957	101 346	102 669	100 783

International Civil Protection Missions

	2018	2019	2020	2021	2022
Co-operation with neighbouring countries	38	-	-	-	-
Seconded experts ¹ (pers)	102	9	8	2	65
Civil protection module activated ¹	0	0	0	0	1
In kind assistance ² (€)	155 363	55 500	230 115	621 788	4 700 000

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

Building Fires by Building Type

	2018	2019	2020	2021	2022
Residential Building	2 837	2 798	2 700	2 923	2 838
Detached House	1 289	1 294	1 106	1 272	1 211
Attached House	289	292	282	250	271
Block of Flats	1 259	1 212	1 194	1 393	1 246
Free-time Residence	155	152	157	177	150
Commercial Building	301	240	209	192	221
Office Building	63	67	58	68	60
Transport, Communications Build.	65	55	51	35	50
Institutional, Healthcare Building	229	192	155	134	158
Assembly Building	86	76	68	57	77
Educational Building	107	93	92	95	82
Industrial Building	604	585	577	607	610
Warehouse	216	194	167	199	185
Building for Fire Services	0	1	1	1	4
Agricultural Building	199	183	156	165	178
Other Building	547	547	501	516	433
Sauna	252	257	245	245	208
Total	5 409	5 256	4 933	5 213	5 083

Cause of Building Fire

	2018	2019	2020	2021	2022
Human Activity	2 499	2 443	2 404	2 513	2 393
Machine, Device Failure	1 757	1 623	1 534	1 677	1 629
Natural Phenomena	137	117	108	153	179
Flammable Substance	118	126	84	102	108
Animal	44	37	23	33	39
Other Cause	455	419	372	415	361
Cause Unknown	402	409	331	317	374

Building Fire Cause of Ignition

	2018	2019	2020	2021	2022
Cooking	889	850	829	851	858
Deliberate	325	344	395	371	344
Open Fire	633	603	602	585	777
Juvenile Fire Setting	30	49	44	55	43
Hot Work	120	125	114	116	115
Match, Other Firemaking Device	83	84	66	59	61
Cigarette, Other Tobacco Product	253	186	172	195	182
Firework, Pyrotechnic Products	11	12	20	10	18
Candle, Outdoor Candle	72	69	101	88	81
Machine, Device, Process	1 750	1 696	1 564	1 733	1 691
Electrical Device	721	659	678	744	709
Hot Object, Ash, Spark	225	229	187	257	257
Fireplace, Flue	610	619	566	559	480
Frictional Heat, Spontaneous Ignition, Explosion	112	88	79	85	85
Natural Phenomena	102	90	84	136	154
Other Known Cause	341	315	265	249	249
Cause Unknown	425	411	350	353	382

Intentionality of Building Fire

	2018	2019	2020	2021	2022
Intentional	394	417	457	442	400
Negligence, Carelessness	1 060	1 074	1 044	1 007	1 005
Accidental	947	856	864	961	893
Unknown	98	118	74	103	95
Total	2 499	2 465	2 439	2 513	2 393

Chimney Fires

	2018	2019	2020	2021	2022
Building Fire, Not spread	281	235	224	294	245
Building Fire, Spread	18	14	8	21	14

Use of Fire Extinguisher in Building Fires

	2018	2019	2020	2021	2022
Used	1 873	1 900	1 773	1 779	1 650
Not Used	3 162	3 006	2 844	3 093	3 108
Fire Too Small, Fire Too Large	1 546	1 485	1 335	1 323	1 512
No People At Scene	678	632	603	649	667
No Fire Extinguisher	310	319	329	339	355
Unknown	377	346	313	345	405

Effect of Extinguishing in Building Fires

	2018	2019	2020	2021	2022
Fire Extinguished	1 075	1 049	1 060	1 066	961
Fire Limited	572	597	501	492	499
No Effect	222	248	198	211	185
Extinguisher Did Not Work	4	6	6	8	2

Smoke Alarm in Residential Building

	2018	2019	2020	2021	2022
Smoke Alarm Activated	873	857	765	823	792
Smoke Alarm Did Not Activate	361	313	307	319	284
Not Enough Time To React	236	200	194	213	210
Smoke Alarm, Battery Broken	68	51	54	54	30
Smoke Alarm Activation Unknown	258	305	256	286	254
No Smoke Alarm	804	821	764	784	738

Wildfires

	2018	2019	2020	2021	2022
Forest Fire	2 491	1 518	1 329	1 297	1 164
Other Wildfire	1 921	1 528	1 451	1 153	1 206

Cause of Wildfire

	2018	2019	2020	2021	2022
Human Activity	2 388	1 954	1 844	1 443	1 672
Natural Phenomena	836	358	270	407	231
Machine, Device Failure	209	115	124	90	93
Animal	20	27	34	24	14
Flammable Substance	42	19	20	13	68
Other Cause	262	140	140	117	68
Cause Unknown	653	433	346	311	289

Wildfire Cause of Ignition

	2018	2019	2020	2021	2022
Open Fire	1 730	1 459	1 373	1 056	1 414
Juvenile Fire Setting	90	122	104	80	124
Campfire, Grill	665	497	414	342	405
Rubbish Burning	353	348	435	284	328
Cigarette, Other Tobacco Product	340	243	194	183	175
Prescribed Burning	126	110	107	84	84
Natural Phenomena	629	246	190	341	200
Lightning	499	202	146	285	173
Machine, Device, Process	318	160	198	201	150
Hot Object, Ash, Spark	246	180	198	104	99
Frictional Heat, Spontaneous Ignition, Explosion	233	139	125	95	46
Deliberate	200	196	142	126	174
Other Known Cause	292	166	139	79	62
Cause Unknown	730	470	387	344	357

Intentionality of Wildfire

	2018	2019	2020	2021	2022
Intentional	411	403	299	281	344
Negligence, Carelessness	1 112	874	805	583	714
Accidental	528	419	480	337	335
Unknown	337	258	260	242	279
Total	2 388	1 954	1 844	2 405	2 370

Vehicle Fires by Vehicle Type

	2018	2019	2020	2021	2022
Road Vehicle	2 282	2 117	1 916	1 963	1 941
All Terrain Vehicle	45	34	40	59	30
Water Vehicle	46	38	43	50	33
Rail Vehicle	11	6	14	9	4
Air Vehicle	2	2	1	1	0
Other Vehicle	39	37	37	37	36
Total	2 425	2 234	2 176	2 210	2 151

Cause of Vehicle Fire

	2018	2019	2020	2021	2022
Machine, Device Failure	1 585	1 487	1 433	1 578	1 529
Human Activity	359	311	408	274	248
Flammable Substance	47	34	26	28	34
Natural Phenomena	6	8	8	7	7
Animal	4	1	-	-	1
Other Cause	107	86	80	2	83
Cause Unknown	317	330	319	242	249

Intentionality of Vehicle Fires

	2018	2019	2020	2021	2022
Intentional	235	201	290	169	164
Negligence, Carelessness	54	47	49	31	46
Accidental	54	52	52	35	49
Unknown, not asked	16	11	17	1 728	1 953
Total	359	311	408	1 963	2 233

Road Vehicle Fires

	2018	2019	2020	2021	2022
Passenger Car	1 354	1 322	1 290	1 272	1 234
Van	151	164	156	167	146
Lorry, Truck	293	275	267	303	316
Engine-powered Work Vehicle	105	93	66	79	107
Tractor	130	83	103	94	81
Bus	51	48	32	31	41
Motor Caravan, Caravan	49	38	49	45	50
Moped	45	32	59	53	53
Moped Car	17	21	10	12	11
Off-road Vehicle	45	34	43	61	31
Trailer	35	20	37	25	29
Motorcycle	19	18	18	20	10
Other Road Vehicle	33	24	15	21	16

Other Fires

	2018	2019	2020	2021	2022
Immovable Structure	601	579	623	436	571
Underground Waste Bin	103	130	131	110	134
Waste Shelter	81	67	65	70	62
Remains of a Burnt Building	158	137	135	155	152
Playhouse, Hut	90	79	95	79	83
Mobile Structure	147	119	109	135	115
Demountable Body	62	48	52	61	40
Barrack	16	13	9	15	15
Waste Materials, Recycle Materials	516	709	794	796	775
Less than 15m ³	455	640	743	753	736
More than 15m ³	61	69	51	43	39
Stack of Wood Materials	293	280	277	357	249
Less than 15m ³	210	212	212	213	213
More than 15m ³	83	68	65	44	36
Transformer, Utility Pole	246	192	211	215	196
Other Material	591	455	436	457	481

Cause of Other Fire

	2018	2019	2020	2021	2022
Human Activity	1 422	1 527	1 659	1 601	1 643
Machine or Device Failure	255	231	231	272	249
Natural Phenomena	182	129	135	109	107
Flammable Substance	47	31	27	32	31
Animal	6	2	2	4	2
Other Cause	246	203	204	222	169
Cause Unknown	236	213	193	219	228

Other Fire Cause of Ignition

	2018	2019	2020	2021	2022
Open Fire	774	735	892	775	846
Juvenile Fire Setting	46	51	81	67	94
Campfire, Grill	131	105	103	109	116
Rubbish Burning	215	163	259	178	200
Match, Other Firemaking Device	113	122	109	110	102
Cigarette, Tobacco	169	183	230	209	246
Firework, Pyrotechnic Products	62	89	82	68	64
Fireplace, Flue	30	32	39	22	32
Machine, Equipment, Process	228	204	204	237	236
Electrical Device	113	99	107	124	105
Hot Object, Ash, Spark	126	114	144	136	115
Frictional Heat, Spontaneous Ignition, Explosion	163	110	109	96	79
Natural Phenomena	88	68	64	57	63
Deliberate	453	560	566	587	550
Other Known Cause	271	236	192	79	194
Cause Unknown	261	278	243	238	306

Intentionality of Other Fire

	2018	2019	2020	2021	2022
Intentional	711	819	830	828	808
Negligence, Carelessness	353	355	399	341	352
Accidental	171	166	224	219	233
Unknown	187	187	206	213	250
Total	1 422	1 527	1 659	1 601	1 603

Traffic Accidents

	2018	2019	2020	2021	2022
Road Traffic	14 621	16 595	15 065	16 308	15 750
Rail Transport	154	154	137	103	104
Railway Level Crossing	64	61	65	36	32
Waterway Transport	90	143	139	153	129
Air Traffic	32	25	22	23	21
Off-road traffic	147	153	139	195	124
Other Traffic	147	173	180	201	181
Total	15 193	17 249	15 690	16 988	16 315

Oil Spills

	2018	2019	2020	2021	2022
Road Vehicle	1 712	1 634	1 780	1 553	1 414
Other Vehicle	320	303	306	274	267
Water Vehicle	87	89	122	112	89
Rail Vehicle	3	11	15	12	15
Other Machine or Device	166	168	187	165	165
Overfill	168	189	194	161	157
Tank Leak	75	78	78	71	42
Other Leak in Storing, Dispensing Device	127	144	154	127	185
Unknown Oil Spill in Water Body, Sewer	133	137	159	147	110
Treatment of Waste Oil, Used Oil	43	31	40	33	23
Other Cause	223	209	272	208	218
Total	3 057	2 993	3 308	2 863	2 686

Hazardous Material* Accident Site

	2018	2019	2020	2021	2022
Street, Other Urban Area	1 093	1 036	1 109	1 089	963
Highway	772	742	803	797	787
Port, Water Body	274	264	316	342	257
Yard, Railway	15	30	50	29	32
Shop, Petrol Outlet	185	175	194	193	202
Warehouse, Warehouse Area	183	174	193	176	163
Industrial Plant	99	94	93	98	106
Residential Building	92	134	141	108	122
Public Building	44	48	52	45	38
Accommodation, Restaurant Premises	11	10	8	13	12
Other Building	118	117	110	111	122
Other Site	485	500	522	438	459
Total	3 371	3 324	3 591	3 439	3 263

ADR Classification of Hazardous Material* Accidents

	2018	2019	2020	2021	2022
Explosives	0	0	0	1	0
Gases	83	106	60	94	95
Flammable Liquids	1 361	1 321	1 466	1 326	1 220
Flammable Solids	3	4	4	3	1
Oxidising Substances, Organic Peroxides	9	8	10	8	5
Toxic, Infectious Substances	3	9	8	9	4
Radioactive Substances	1	1	0	3	1
Corrosive Substances	53	67	69	65	50
Other Hazardous Material, Goods	22	14	15	14	11

*Oil Spills and other hazardous material accidents

Cause of Loss Prevention Operations

	2018	2019	2020	2021	2022
Natural Phenomena	6 566	5 386	12 853	6 995	5 865
Wind, Storm	5 558	3 717	12 191	5 615	4 374
Flood, Rain Water	499	472	446	656	560
Snow, Ice	284	972	67	389	733
Frost	68	52	6	143	32
Defect or Malfunction in a Machine, Device	1 126	1 115	868	1 152	988
Defect, Malfunction of Mains	609	586	390	631	482
Defect, Malfunction of Vehicle	303	310	285	289	281
Human Activity	1 023	910	961	938	933
Animal	39	38	25	37	32
Other Cause	309	285	287	314	288
Cause Unknown	147	148	136	164	116

Cause of Assistance Operations

	2018	2019	2020	2021	2022
Assistance of EMS	5 050	5 254	4 987	5 339	6 036
Human Activity	535	546	487	563	640
Defect, Malfunction in a Machine, Device	359	394	314	356	385
Defect, Malfunction of Vehicle	125	168	155	169	165
Defect, Malfunction of Mains	26	22	3	13	8
Defect, Malfunction of Grid	6	8	6	7	12
Natural Phenomena	109	102	67	96	119
Wind, Storm	40	35	38	36	34
Flood, Rain Water	18	12	13	16	18
Snow, Ice	36	45	13	31	60
Animal	49	44	38	31	26
Other Cause	240	234	205	211	242
Cause Unknown	11	23	23	22	10

Human Rescue Operations

	2018	2019	2020	2021	2022
Water Rescue	434	379	426	443	377
Rescue from Trap, Shaft, Collapse, Well	52	35	55	43	45
Rescue from Other Dangerous Place, Situation	288	299	253	284	275
Rescue from Place, Situation with No Immediate Danger	492	584	535	575	578
Rescue from Terrain	365	411	342	418	402
Lift Rescue	470	459	342	450	461
Other Rescue Operation	131	132	138	132	143

Animal Rescue Operations

	2018	2019	2020	2021	2022
Water Rescue	303	305	290	398	268
Rescue from Trap, Shaft, Collapse, Well	246	208	206	261	255
Rescue from Other Dangerous Place, Situation	200	212	207	218	207
Rescue from Place, Situation with No Immediate Danger	1 116	847	810	894	908
Rescue from Terrain	129	95	108	118	104
Lift Rescue	7	7	3	6	3
Other Rescue Operation	827	323	277	299	435

Cause for Automatic Fire Alarm

	2018	2019	2020	2021	2022
Fire, Hazardous Material Accident	708	688	654	595	524
Cooking	3 290	3 185	2 996	3 163	3 358
Negligence in Property Repair, Installation, Maintenance Work	2 416	2 402	2 286	2 185	1 689
Other Smoke, Dust	1 995	1 783	1 523	1 763	1 777
Moisture, Water	1 375	1 297	1 125	1 351	1 244
Sprinkler System Failure	1 043	962	827	1 129	1 023
Sensor Failure in Fire Alarm, Fixed Fire Extinguishing System	568	517	619	536	581
Other System Failure	366	438	368	373	382
Exhaust Gas	156	125	115	126	132
Smoking	230	183	175	164	203
Error, Misuse	465	417	404	421	414
Malicious Use	430	426	424	448	497
Impact on Sensor	327	320	281	283	322
Temporary High Temperature	318	283	195	331	291
Overvoltage	174	144	113	134	154
Other Cause, Cause Unknown	4 351	4 004	3 526	3 949	3 849

Automatic Fire Alarms

	2018	2019	2020	2021	2022
Building Fire	656	623	597	549	588
Building Fire, Not spread	579	547	524	493	513
Vehicle Fire	6	13	4	7	5
Other Fire	27	27	29	31	15
Hazardous Material Accident	18	20	20	15	23
Explosion, Risk of Explosion	1	7	4	1	2
Total	18 856	18 014	16 299	16 850	17 409
Share of False Alarm (%)	93	93	92	88	88

Other Check or Inspection Operations

	2018	2019	2020	2021	2022
Smoke Observation	4 866	4 295	4 178	4 205	3 975
Blind Call	684	813	837	802	780
Oil Observation	606	651	685	724	648
Gas Observation	199	143	173	156	178
Chemical Observation	142	134	164	141	141
False Call	137	128	93	87	137
Risk of Air Crash	107	109	103	75	91
Carbon Monoxide Alarm Check	52	41	52	53	64
Other Cause	4 451	4 356	4 666	3 627	3 388

5 Accident Damages

Deaths

	2018	2019	2020	2021	2022
Building Fire	53	48	42	46	49
Wildfire	0	0	0	1	0
Vehicle Fire	1	4	5	2	2
Other Fire	0	0	1	1	0
Traffic Accident	247	233	228	222	197
Oil Spill	0	1	0	0	0
Hazardous Material Accident	1	0	1	0	0
Explosion, Risk of Explosion	0	0	1	1	0
Collapse, Risk of Collapse	0	0	0	0	0
Human Rescue	135	99	121	132	117

Injured

	2018	2019	2020	2021	2022
Building Fire	596	572	524	294	287
Wildfire	14	16	21	16	9
Vehicle Fire	50	41	45	49	50
Other Fire	10	7	5	14	19
Traffic Accident	9 170	8 820	7 805	7 711	7 167
Oil Spill	6	9	5	6	4
Hazardous Material Accident	80	67	61	49	36
Explosion, Risk of Explosion	7	8	8	9	9
Collapse, Risk of Collapse	4	8	1	2	11
Human Rescue	571	622	595	588	580

Fire Deaths

	2018	2019	2020	2021	2022
Fire Deaths	51	49	49	51	51
Accidental	38	42	39	40	43
Deaths per Million Inhabitants	9	9	9	10	10

Fire Deaths by Gender

	2018	2019	2020	2021	2022
Men	38	34	33	34	41
Women	13	15	16	17	10

Fire Deaths by Cause of Ignition

	2018	2019	2020	2021	2022
Cooking	4	3	2	4	2
Deliberate	13	6	10	11	8
Open Fire	19	5	4	1	11
Cigarette, Other Tobacco Product	13	13	9	11	14
Electrical Device	6	7	1	9	4
Other Known Cause	3	6	16	6	2
Cause Unknown	6	6	7	9	10

Fire Deaths by Building Type

	2018	2019	2020	2021	2022
Residential Building	46	44	39	44	35
Detached houses	25	19	16	24	19
Attached houses	6	7	6	10	5
Blocks of flats	15	12	11	10	9
Free-time Residence	1	6	2	1	6
Institutional, Healthcare Building	0	0	0	1	0
Other Building	0	1	2	0	8

Smoke Alarm Activation in Fatal Fires

	2018	2019	2020	2021	2022
Smoke Alarm Activated	10	15	5	8	11
Smoke Alarm Did Not Activate	5	4	3	3	2
Smoke Alarm Activation Unknown	24	7	28	20	22
No Smoke Alarm	8	8	4	6	16

Total Property Damages from Fires

	2018	2019	2020	2021	2022
Burnt Floor Area in Residential Building Fires (m ²)	64 797	-	-	-	-
Damage to Building, Furnishings in Building Fires (MEUR)	139	124	143	169	157
Property in Danger in Building Fires (MEUR)	2 615	2 805	2 775	2 676	4 644
Burnt Land Area (ha)	1 637	793	716	761	374
Burnt Forest Area (ha)	1 233	476	474	564	267
Vehicle Fire (MEUR)	28	24	24	20	20
Other Fire (MEUR)	10	4	13	5	4

Average Property Damages from Fires

	2018	2019	2020	2021	2022
Burnt Floor Area in Residential Building Fires (m ²)	22	-	-	-	-
Damage to Building, Furnishings in Building Fires (€)	25 693	23 717	29 073	32 058	30 987
Burnt Land Area (ha)	0,37	0,26	0,35	0,31	0,16
Burnt Forest Area (ha)	0,50	0,31	0,36	0,44	0,23
Vehicle Fire (€)	11 398	10 586	10 690	9 239	9 520
Other Fire (€)	4 074	1 682	5 323	1 973	1 633

6 Rescue Activities

Rescued and Evacuated Persons

	2018	2019	2020	2021	2022
Building Fire	1 310	1 678	1 880	805	605
Vehicle Fire	108	389	23	5	106
Other Fire	77	281	302	22	51
Traffic Accident	1 208	1 149	964	1 079	991
Hazardous Material Accident	84	1 122	74	130	273
Explosion, Risk of Explosion	180	0	100	9	28
Collapse, Risk of Collapse	1	12	0	8	13
Human Rescue	1 733	1 907	1 754	1 841	1 787

Activities at Rescue Operations

	2018	2019	2020	2021	2022
Extinguishing, Confining Fire	10 493	9 104	8 695	8 519	8 347
Smoke Venting	4 601	4 421	4 271	4 290	4 635
Technical Rescue, Clearing	15 111	14 088	18 881	14 337	13 580
Prehospital Care	20 767	19 082	12 869	15 740	16 807
Warning the population	94	75	102	84	83

Methods of Rescue Activities

	2018	2019	2020	2021	2022
Water Extinguishing	9 511	7 953	7 688	7 403	7 162
Using the Extinguishing Cutter	52	44	49	63	56
Foam Extinguishing	990	876	905	886	914
Use of Fire Extinguisher	705	687	786	813	841
Smoke Diving	1 776	1 651	1 426	1 420	1 247
Surface Rescue	245	261	292	321	263
Water Diving	75	57	68	84	58
Forcible Entry	1 827	1 811	1 747	1 961	2 146

Median of the Response Time of First Unit*

	2018	2019	2020	2021	2022
Time 08-16	7:37	7:38	7:23	7:37	7:22
Time 16-24	7:57	7:49	7:45	7:27	7:33
Time 00-08	8:23	8:27	8:20	8:20	8:13
Median for Whole Year	7:54	7:58	7:49	7:41	7:36

*Urgent assignments excluding medical assignments

Median of the Response Time

	2018	2019	2020	2021	2022
Risk Class I	10:48	10:49	10:42	10:44	10:32
Risk Class II	11:13	11:16	11:12	11:17	10:59
Risk Class III	11:06	10:54	10:58	11:05	11:03
Risk Class IV	15:37	15:34	15:22	15:43	15:49
Median for Whole Year	12:21	12:16	12:13	12:20	12:12

Risk Squares** where the Response Time is not Achieved

	2018	2019	2020	2021	2022
Risk Class I (11 min)	152	162	-	-	-
Risk Class II (14 min)	16	-	-	-	-
Risk Class III (22 min)	0	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

	2018	2019	2020	2021	2022
Helsinki	13:25	13:58	14:00	14:19	13:56
West Uusimaa	13:46	14:13	14:24	14:39	14:23
Central Uusimaa	13:47	14:19	14:15	14:32	14:33
East Uusimaa	13:53	15:16	15:12	15:24	15:21
Southwest Finland	14:11	14:11	14:03	14:16	14:02
Kanta-Häme	14:49	15:15	15:33	15:38	15:02
Päijät-Häme	14:18	14:35	14:46	15:01	15:00
Kymenlaakso	14:46	14:40	14:17	14:16	13:56
South Karelia	16:04	16:33	16:16	15:55	16:20
South Savo	17:48	18:31	17:34	17:48	18:38
Central Finland	16:41	16:58	16:23	17:04	16:59
Pirkanmaa	14:17	14:38	14:54	15:12	14:32
Satakunta	14:34	14:36	14:48	14:35	14:22
South Ostrobothnia	14:45	14:54	14:52	14:42	14:44
Ostrobothnia	14:44	15:14	15:08	15:19	15:21
Central Ostrobothnia	13:24	13:38	14:20	14:01	13:22
North Savo	16:06	16:28	16:16	16:13	15:44
North Karelia	18:13	16:52	18:32	19:30	17:46
Jokilaaksot	16:42	17:06	16:35	16:46	16:06
Kainuu	18:38	19:36	18:50	18:40	19:04
Oulu-Koillismaa	14:25	14:52	15:04	14:42	14:15
Lapland	18:36	17:23	18:41	17:57	17:20
Median for Whole Year	14:46	15:00	15:03	15:09	14:54



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