



PELASTUSOPISTO
EMERGENCY SERVICES ACADEMY FINLAND

Finnish Rescue Services' Pocket Statistics 2019–2023

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Contents

1 Introduction	3
2 Rescue Service System and Resources	4
3 Accident Prevention	10
4 Rescue Operations	12
5 Accident Damages	30
6 Rescue Activities	33

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1 Introduction

Finland's rescue services are organised by 20 wellbeing services counties and the City of Helsinki. Åland has its own provincial legislation on rescue services, and data on them are not included in these statistics. At the beginning of 2023, the Jokilaakso and Oulu-Koillismaa Rescue Departments became the North Ostrobothnia Rescue Department. The responsibility for organising rescue services in the wellbeing services county of Central Uusimaa lies with the wellbeing services county of Vantaa-Kerava.

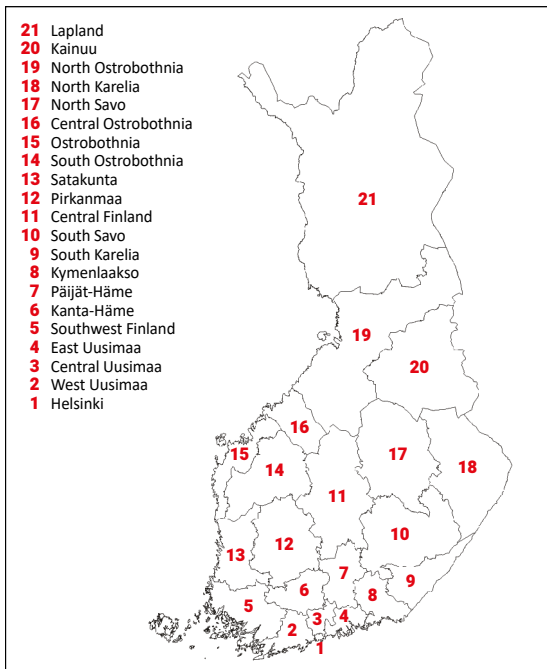
These statistics are based on data from the Rescue Services Resource and Accident Statistics System (PRONTO) for the years 2019–2023, unless otherwise stated. PRONTO's data consists of action and resource registers maintained by the rescue departments of the wellbeing services counties. The data in the statistics have been extracted directly from the register without national verification.

In these statistics, emergency tasks refer to rescue service tasks for which the rescue department has been alerted by the Emergency Response Centre. There are no emergency medical tasks or tasks performed by fire brigades without an emergency response centre alarm. Information about alert tasks is tabulated according to the primary task type recorded in PRONTO. Secondary task types are included in tables on accidents, cause of automatic fire notification, and property damage. For some data, more detailed information is presented in the indented rows below the row. Some tables have been corrected to figures for 2022, which have been updated since the publication of the previous pocket statistics. The table on page 18 – Smoke Alarm in Residential Building – has been corrected in its entirety.

The method of compiling statistics on rescue departments' financial data has changed in 2023. The municipalities' contributions have been replaced with the amount budgeted for rescue services by the wellbeing services counties. However, PRONTO entries were so varied that they have been completely omitted from the statistics. Financial data for 2023 will be reported in the following pocket statistics.

2 Rescue Service System and Resources

Rescue Service Regions 2023



Rescue Service Regions 2023

	Popula- tion*	Surface Area (km ²)	Risk Squares by Risk Class				Land Area (km ²)
			I	II	III	IV	
Helsinki	664 028	716	129	56	17	520	214
West Uusimaa	486 346	7 855	74	212	161	7 499	4 242
Central Uusimaa	491 084	1 986	91	224	102	1 568	1 940
East Uusimaa	98 972	5 537	32	49	77	5 390	2 736
Southwest Finland	485 567	20 539	41	291	274	20 015	10 663
Kanta-Häme	169 537	5 706	12	112	140	5 441	5 200
Päijät-Häme	204 528	6 941	18	141	107	5 456	5 124
Kymenlaakso	159 488	6 732	11	129	130	7 246	5 113
South Karelia	125 353	7 236	4	97	111	6 790	5 615
South Savo	130 451	16 737	7	95	83	18 908	13 984
Central Finland	272 437	19 015	16	163	218	19 554	16 706
Pirkanmaa	532 671	15 408	40	273	285	13 999	12 444
Satakunta	212 556	11 636	12	172	191	10 935	7 957
South Ostrobothnia	190 774	14 358	4	143	183	12 842	13 445
Ostrobothnia	176 323	19 057	8	77	155	16 134	7 381
Central Ostrobothnia	67 805	7 113	6	66	70	8 356	6 215
North Ostrobothnia	416 543	45 203	21	242	281	19 800	35 238
North Savo	247 689	21 080	19	128	160	21 458	16 771
North Karelia	162 540	22 903	7	106	123	17 735	17 764
Kainuu	70 521	22 689	2	53	62	24 485	21 503
Lapland	175 795	100 368	6	108	179	101 107	92 663
Total	5 541 008	378 815	560	2 937	3 109	345 238	302 918

*Population 31.12.2022

Number of Fire Stations*

	2019	2020	2021	2022	2023
Fire Stations within Rescue Service Region	-	375	379	377	393
Contract Fire Brigades	-	523	512	513	506
Industrial, Institutional Fire Brigades	-	95	96	95	96

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

**The information of the year 2023 has been gathered 19.3.2024

Rescue Service Vehicles**

	2019	2020	2021	2022	2023
Fire Engine	-	1 075	1 072	1 110	1 120
Lightweight Fire Truck	-	33	37	38	42
Water Tender	-	470	469	469	473
Ladder Unit, Hydraulic Platform Truck	-	78	78	78	78
Heavy Rescue Unit	-	43	43	44	46
Gear Truck	-	85	77	76	78
Foam Tender, Dry Powder Appliance	-	55	53	53	54
Damage Control Tender	-	24	24	24	26
Hazardous Materials Unit	-	18	18	17	17
Incident Command, Control Unit	-	186	162	163	164
Personnel Carrier	-	781	782	785	781
Rescue Diving Appliance	-	27	27	27	27
Other Rescue Service Vehicle	-	137	139	139	147
Snowmobile	-	207	212	225	222
ATV (all-terrain vehicle), Track Vehicle	-	346	370	375	393
Boat	-	776	779	783	783
Other Vessel	-	67	67	79	68
EMS Vehicle	-	244	519	550	588
Other Vehicle	-	504	508	536	541
Trailer	-	185	272	403	409
Container	-	119	145	159	166

Rescue Departments' Financial* 2023 (€/inhabitant)

	Contributions of Municipalities ** changed statistical method	Investments	Expenditure Excluding Depreciation Costs	Revenue
Helsinki	-	13,7	75,9	3,6
West Uusimaa	-	5,7	69,2	1,6
Central Uusimaa	-	0	64,6	1,9
East Uusimaa	-	0	187,2	66,4
Southwest Finland	-	4,4	75,6	2,0
Kanta-Häme	-	1,6	81,4	1,4
Päijät-Häme	-	148,8	97,8	1,7
Kymenlaakso	-	1,8	16,5	18,3
South Karelia	-	4,5	141,8	7,5
South Savo	-	1,4	157,5	0,7
Central Finland	-	0,1	86,6	0,6
Pirkanmaa	-	2,0	159,7	18,8
Satakunta	-	7,1	126,6	10,8
South Ostrobothnia	-	0	115,7	1,9
Ostrobothnia	-	2,7	23,6	7,0
Central Ostrobothnia	-	1,8	120,7	124,6
North Ostrobothnia	-	0	0	0
North Savo	-	0	18,9	8,6
North Karelia	-	1,4	106,2	6,3
Kainuu	-	6,2	135,5	2,4
Lapland	-	19,6	177,4	27,6

*EMS information not been included

** Contributions of Municipalities

Rescue Departments' Financial (MEUR)

	2019	2020	2021	2022	2023
Revenue*	28	25	36	-	-
Expenditure*	428	435	462	-	-
Personnel Costs*	272	277	291	-	-
Net Expenditure*	374	387		-	-
Investments*	10	18	14	-	-
Revenue, EMS	155	161	167	-	-
Expenditure, EMS	152	158	164	-	-

*EMS informaton not been included, 2022 and 2023 figures are not comparable

Rescue Service Personnel

	2021	2022	2023
Full-time Employees of Rescue Departments	6 657	4 614	6 347
Contract Fire Brigade Personnel	14 642	12 986	14 893
Ministry of the Interior, Department of Rescue ¹	62	61	62
Emergency Services Academy Finland ²	140	134	143
Regional State Administrative Agencies, Department of Rescue ³	37	53	51

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

Rescue Departments'* Full-time Equivalent

	2020	2021	2022	2023
Administrative, Support Services	570	615	449	145
Safety Services	351	375	319	382
Emergency Medical Services	1 971	2 105	1 239	1 776
Rescue Services	3 796	3 900	3 154	4 123
Total	6 688	6 995	5 161	6 426

*Full-time employee

Personnel of Rescue Departments 2023

	Full-time Personnel				Contract Personnel	
	Total	Rescue Services, Women	Rescue Services, Men	Performance Test Approved	Rescue Services	Performance Test Approved
Helsinki	721	16	620	421	219	248
West Uusimaa	550	3	335	336	1030	304
Central Uusimaa	505	3	299	216	642	122
East Uusimaa	192	4	99	68	637	76
Southwest Finland	449	2	285	234	1 501	262
Kanta-Häme	271	4	141	118	381	51
Päijät-Häme	244	0	156	162	587	43
Kymenlaakso	185	1	154	134	850	130
South Karelia	130	0	83	90	515	130
South Savo	124	1	112	65	489	45
Central Finland	364	3	205	221	980	-
Pirkanmaa	848	13	564	395	1 037	170
Satakunta	210	1	168	153	970	186
South Ostrobothnia	126	1	114	61	947	113
Ostrobothnia	128	1	100	95	935	179
Central Ostrobothnia	61	4	48	38	200	78
North Ostrobothnia	326	3	302	280	860	400
North Savo	330	9	250	251	543	206
North Karelia	274	0	116	110	514	80
Kainuu	75	4	68	59	92	48
Lapland	183	0	181	105	921	55

3 Accident Prevention

Safety Education

	2019	2020	2021	2022	2023
Events	11 167	4 828	5 110	7 684	8 178
Participants	858 876	241 547	285 017	653 352	744 077
Share of Population (%)	16	4	5	12	13

Safety Education Events by Type of Implementation

	2019	2020	2021	2022	2023
Safety Information Campaigns	616	244	183	413	445
Fairs, Other Public Events	1 828	489	404	1 277	1 797
Safety Training	7 069	3 212	3 821	5 016	4 804
Safety Advicing	1 399	647	556	829	985
Media Communication	254	235	146	149	147

Safety Education Events by Target Group

	2019	2020	2021	2022	2023
Citizens, Public Servants	7 589	3 147	2 710	1 880	5 593
Children, the Young	4 958	2 193	1 875	3 027	3 357
Public Servants, Trustees	134	100	91	107	71
Companies, Institutions	3 107	1 502	2 165	2 405	2 187
Personnel in Care Institution	1 724	845	1 436	1 368	1 267
Personnel in Education Institution	327	151	216	276	242
Personnel in Day Care Center	310	163	186	218	265
Civil Defence Organisations	33	11	3	14	15
Other Target Group	437	166	236	335	343

Fire Inspections

	2019	2020	2021	2022	2023
Planned inspections	34 316	28 919	27 694	27 095	43 209
Inspections	34 127	24 170	25 528	23 442	23 712
A1 Building in Use 24/7	3 898	2 843	3 511	3 308	3 353
A2 Education Building, Day Care Center	2 914	2 657	2 797	2 438	2 549
A3 Assembly, Commercial	5 495	4 526	5 185	4 532	4 408
A4 Production, Storage Building	5 803	4 772	5 380	4 904	4 763
A5 Agricultural Building	2 370	1 736	1 815	1 852	1 642
A6 Other Annually Inspected	2 903	2 390	2 891	2 556	2 438
Residential Building	10 644	5 214	3 893	3 825	4 549
Free-time Residence	100	32	56	27	10

Document Auditing

	2019	2020	2021	2022	2023
Self-Inspection Checklists	80 602	89 087	82 174	85 678	64 689
Returning-%	79	85	81	71	74
Rescue Plans	1 176	920	737	947	806
Rescue Plans for Events	4 557	1 521	2 081	4 778	6 002
Documents of Technical Fire Safety Installations	8 795	9 991	10 057	10 214	11 377
Other Document Auditing	4 775	3 289	5 221	2 866	3 632
Total	99 905	104 808	100 270	104 483	86 506

4 Rescue Operations

Rescue Operations by Type

	2019	2020	2021	2022	2023
Fires	12 602	12 041	12 208	11 909	11 930
Building Fire	5 178	4 860	5 213	5 083	4 921
Building Fire, Not spread	3 127	3 012	3 254	3 195	3 121
Vehicle Fire	2 187	2 118	2 179	2 131	2 068
Wildfire	2 920	2 641	2 357	2 265	2 571
Other Fire	2 317	2 422	2 459	2 430	2 369
Other Accidents	20 364	18 975	20 237	19 422	16 780
Traffic Accident	17 214	15 654	16 988	16 315	13 611
Oil Spill	2 715	2 960	2 865	2 686	2 797
Hazardous Material Accident	342	311	311	297	314
Explosion, Risk of Explosion	23	25	20	24	12
Collapse, Risk of Collapse	70	25	53	100	46
Other Operations	75 004	70 958	70 928	70 093	74 252
Fire Alarm System Check or Inspection	17 404	15 705	16 714	16 694	17 707
Smoke Alarm System Check or Inspection	3 731	3 455	4 978	4 223	5 254
Other Check or Inspection	10 678	10 965	10 687	10 192	10 516
First Response	22 838	13 901	16 486	17 134	14 906
Human Rescue	2 301	2 095	2 346	2 282	2 123
Animal Rescue	1 997	1 901	2 194	2 182	2 591
Loss Prevention	7 885	15 130	9 603	8 224	11 053
Assistance	6 619	6 180	6 657	7 485	1 980
Executive Assistance	1 551	1 626	1 262	1 674	8 126
Total	107 970	101 974	103 373	101 424	102 970

Rescue Operations by Rescue Service Region

	2019	2020	2021	2022	2023
Helsinki	8 524	8 067	8 650	8 647	9 546
West Uusimaa	7 592	7 839	7 818	8 018	8 510
Central Uusimaa	8 021	6 862	7 876	7 998	8 271
East Uusimaa	2 220	2 174	2 295	2 128	2 366
Southwest Finland	9 254	8 737	8 093	7 757	8 139
Kanta-Häme	3 748	3 490	3 267	3 082	3 372
Päijät-Häme	4 411	4 191	7 657	4 467	4 403
Kymenlaakso	3 470	3 523	3 263	3 414	3 643
South Karelia	3 082	2 639	2 803	3 091	2 819
South Savo	3 653	3 363	3 417	2 888	2 785
Central Finland	5 412	5 308	5 113	4 543	4 530
Pirkanmaa	9 513	9 362	9 326	9 056	9 171
Satakunta	5 526	5 506	4 748	4 973	5 014
South Ostrobothnia	5 047	4 383	4 489	4 570	4 331
Ostrobothnia	3 000	2 973	2 390	2 527	2 929
Central Ostrobothnia	2 002	1 919	1 678	1 745	1 094
North Ostrobothnia	-	-	-	-	7 656
North Savo	5 414	4 974	5 055	4 505	4 674
North Karelia	3 746	3 326	3 563	3 513	3 283
Jokilaaksot	3 177	3 057	3 228	3 039	-
Kainuu	1 578	1 690	1 673	1 826	1 897
Oulu-Koillismaa	5 090	4 652	5 805	5 118	-
Lapland	4 484	3 924	4 155	4 318	4 529
Cooperations*	3 495	3 473	3 518	3 372	3 345

*With Åland, Norway, Russia, Estonia and Sweden

Rescue Operations by Urgency

	2019	2020	2021	2022	2023
Urgent (A+B)	76 937	63 350	68 492	67 107	63 489
Non-urgent (C+D)	24 456	33 056	28 845	28 282	33 641
Canceled	6 160	4 915	5 174	5 292	5 002

Rescue Operations by Month

	2019	2020	2021	2022	2023
January	9 946	7 930	9 004	7 718	7 364
February	7 999	9 452	7 140	7 266	6 622
March	7 720	7 499	6 449	7 960	7 131
April	8 741	6 054	6 867	7 155	7 587
May	9 659	7 236	8 368	8 594	8 419
June	10 538	11 350	12 533	9 464	10 366
July	10 070	9 154	11 123	9 490	9 492
August	9 763	8 356	9 257	11 110	11 874
September	8 290	11 100	7 932	7 891	8 870
October	8 151	7 353	7 961	8 181	10 356
November	8 215	9 577	7 486	7 445	7 466
December	8 879	6 913	9 253	9 164	7 423

Rescue Operations by Week Day

	2019	2020	2021	2022	2023
Monday	14 832	13 521	13 987	14 265	14 679
Tuesday	15 451	13 397	15 277	14 105	15 522
Wednesday	16 264	13 883	15 716	14 101	14 689
Thursday	14 910	17 575	14 313	13 949	14 281
Friday	16 595	14 683	15 574	15 017	14 624
Saturday	16 079	15 147	15 247	16 799	15 703
Sunday	13 840	13 768	13 259	13 205	13 472

Rescue Operations by Time

	2019	2020	2021	2022	2023
00-02	5 019	4 604	4 706	4 627	4 543
02-04	4 015	3 487	3 550	3 552	3 684
04-06	4 116	3 609	3 478	3 588	3 707
06-08	6 533	6 049	6 023	5 932	6 056
08-10	10 134	8 959	9 401	9 167	9 897
10-12	11 620	11 122	10 906	10 803	11 153
12-14	12 635	12 326	12 267	11 989	12 116
14-16	12 979	12 684	12 981	12 727	12 396
16-18	12 800	12 357	12 775	12 195	12 149
18-20	11 488	11 111	11 464	11 171	11 257
20-22	9 595	9 112	9 224	9 157	9 385
22-24	7 037	6 554	6 598	6 533	6 626

Risk Categories Defined by Accident

	2019	2020	2021	2022	2023
Risk class I	27 932	25 266	26 784	26 918	28 405
Risk class II	34 734	32 101	34 546	34 325	34 480
Risk class III	12 064	10 553	10 394	10 387	10 318
Risk class IV	33 216	33 419	30 941	29 189	29 159
Total	107 946	101 338	102 666	100 819	102 362

International Civil Protection Missions

	2019	2020	2021	2022	2023
Co-operation with neighbouring countries	-	-	-	-	-
Seconded experts ¹ (pers)	9	8	2	65	81
Civil protection module activated ¹	0	0	0	1	1
In kind assistance ² (€)	55 500	230 115	621 788	4 700 000	18 000 000

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

Building Fires by Building Type

	2019	2020	2021	2022	2023
Residential Building	2 798	2 700	2 923	2 838	2 841
Detached House	1 294	1 106	1 272	1 211	1 270
Attached House	292	282	250	271	240
Block of Flats	1 212	1 194	1 393	1 246	1 204
Free-time Residence	152	157	177	150	160
Commercial Building	240	209	192	221	208
Office Building	67	58	68	60	48
Transport, Communications Build.	55	51	35	50	53
Institutional, Healthcare Building	192	155	134	158	170
Assembly Building	76	68	57	77	71
Educational Building	93	92	95	82	86
Industrial Building	585	577	607	610	525
Warehouse	194	167	199	185	195
Building for Fire Services	1	1	1	4	1
Agricultural Building	183	156	165	178	129
Other Building	547	501	516	433	389
Sauna	257	245	245	208	196
Total	5 178	4 860	5 213	5 083	4 921

Cause of Building Fire

	2019	2020	2021	2022	2023
Human Activity	2 443	2 404	2 513	2 393	2 433
Machine, Device Failure	1 623	1 534	1 677	1 629	1 558
Natural Phenomena	117	108	153	179	109
Flammable Substance	126	84	102	108	120
Animal	37	23	33	39	41
Other Cause	419	372	415	361	344
Cause Unknown	409	331	317	374	316

Building Fire Cause of Ignition

	2019	2020	2021	2022	2023
Cooking	850	829	851	858	853
Deliberate	344	395	371	344	365
Open Fire	603	602	585	777	706
Juvenile Fire Setting	49	44	55	43	55
Hot Work	125	114	116	115	100
Match, Other Firemaking Device	84	66	59	61	49
Cigarette, Other Tobacco Product	186	172	195	182	188
Firework, Pyrotechnic Products	12	20	10	18	21
Candle, Outdoor Candle	69	101	88	81	72
Machine, Device, Process	1 696	1 564	1 733	1 691	1 700
Electrical Device	659	678	744	709	679
Hot Object, Ash, Spark	229	187	257	257	269
Fireplace, Flue	619	566	559	480	541
Frictional Heat, Spontaneous Ignition, Explosion	88	79	85	85	81
Natural Phenomena	90	84	136	154	76
Other Known Cause	315	265	249	249	243
Cause Unknown	411	350	353	382	348

Intentionality of Building Fire

	2019	2020	2021	2022	2023
Intentional	417	457	442	400	433
Negligence, Carelessness	1 074	1 044	1 007	1 005	1 006
Accidental	856	864	961	893	893
Unknown	118	74	103	95	101
Total	2 465	2 439	2 513	2 393	2 433

Chimney Fires

	2019	2020	2021	2022	2023
Building Fire, Not spread	235	224	294	245	304
Building Fire, Spread	14	8	21	14	11

Use of Fire Extinguisher in Building Fires

	2019	2020	2021	2022	2023
Used	1 900	1 773	1 815	1 698	1 719
Not Used	3 006	2 844	3 129	3 134	2 966
Fire Too Small, Fire Too Large	1 485	1 335	1 323	1 512	1 442
No People At Scene	632	603	649	667	604
No Fire Extinguisher	319	329	339	355	303
Unknown	346	313	345	405	407

Effect of Extinguishing in Building Fires

	2019	2020	2021	2022	2023
Fire Extinguished	1 049	1 060	1 066	961	999
Fire Limited	597	501	492	499	481
No Effect	248	198	211	185	186
Extinguisher Did Not Work	6	6	8	2	4

Smoke Alarm in Residential Building

	2019	2020	2021	2022	2023
Smoke Alarm Activated	1 065	969	1 074	1 069	1 107
Smoke Alarm Did Not Activate	385	377	432	383	422
Not Enough Time To React	249	247	295	281	288
Smoke Alarm, Battery Broken	61	65	63	40	53
Smoke Alarm Activation Unknown	363	331	370	357	341
No Smoke Alarm	682	641	649	641	619

Wildfires

	2019	2020	2021	2022	2023
Forest Fire	1 458	1 260	1 231	1 129	1 346
Other Wildfire	1 462	1 381	1 153	1 136	1 225

Cause of Wildfire

	2019	2020	2021	2022	2023
Human Activity	1 901	1 791	1 403	1 639	1 722
Natural Phenomena	355	265	404	228	273
Machine, Device Failure	78	83	90	52	83
Animal	27	34	24	14	17
Flammable Substance	17	18	13	1	4
Other Cause	131	132	115	60	95
Cause Unknown	411	318	309	271	377

Wildfire Cause of Ignition*

	2019	2020	2021	2022	2023
Open Fire	1 459	1 373	1 056	1 414	1 424
Juvenile Fire Setting	122	104	80	124	145
Campfire, Grill	497	414	342	405	361
Rubbish Burning	348	435	284	328	284
Cigarette, Other Tobacco Product	243	194	183	175	227
Prescribed Burning	110	107	84	84	70
Natural Phenomena	246	190	341	200	259
Lightning	202	146	285	173	235
Machine, Device, Process	160	198	201	150	224
Hot Object, Ash, Spark	180	198	104	99	103
Frictional Heat, Spontaneous Ignition, Explosion	139	125	95	46	39
Deliberate	196	142	126	174	193
Other Known Cause	166	139	79	62	71
Cause Unknown	470	387	344	357	505

*Includes also secondary wildfires

Intentionality of Wildfire*

	2019	2020	2021	2022	2023
Intentional	403	299	281	344	392
Negligence, Carelessness	874	805	583	714	749
Accidental	419	480	337	335	334
Unknown	258	260	242	279	304
Total	3 046	2 780	2 457	2 780	2 698

*Includes also secondary wildfires

Vehicle Fires by Vehicle Type

	2019	2020	2021	2022	2023
Road Vehicle	2 117	1 916	1 963	1 941	1 849
All Terrain Vehicle	34	40	59	30	51
Water Vehicle	38	43	50	33	28
Rail Vehicle	6	14	9	4	15
Air Vehicle	2	1	1	0	1
Other Vehicle	37	37	37	36	52
Total	2 234	2 176	2 210	2 151	2 104

Cause of Vehicle Fire

	2019	2020	2021	2022	2023
Machine, Device Failure	1 487	1 433	1 578	1 529	1 524
Human Activity	311	408	274	248	211
Flammable Substance	34	26	28	34	39
Natural Phenomena	8	8	7	7	1
Animal	1	-	-	1	1
Other Cause	86	80	2	83	71
Cause Unknown	330	319	242	249	254

Intentionality of Vehicle Fires*

	2019	2020	2021	2022	2023
Intentional	201	290	169	164	154
Negligence, Carelessness	47	49	31	46	30
Accidental	52	52	35	49	14
Unknown, not asked	11	17	1 728	1 953	1 971
Total	311	408	1 963	2 233	2 190

*Includes also secondary fires

Road Vehicle Fires

	2019	2020	2021	2022	2023
Passenger Car	1 322	1 290	1 272	1 234	1 172
Van	164	156	167	146	159
Lorry, Truck	275	267	303	316	283
Engine-powered Work Vehicle	93	66	79	107	96
Tractor	83	102	94	81	98
Bus	48	32	31	41	42
Motor Caravan, Caravan	38	49	45	50	46
Moped	32	59	53	53	36
Moped Car	21	10	12	11	7
Off-road Vehicle	34	43	61	31	51
Trailer	20	37	25	29	25
Motorcycle	18	18	20	10	23
Other Road Vehicle	24	15	21	16	11

Other Fires

	2019	2020	2021	2022	2023
Immovable Structure	579	623	436	571	584
Underground Waste Bin	130	131	110	134	144
Waste Shelter	67	65	70	62	62
Remains of a Burnt Building	137	135	155	152	164
Playhouse, Hut	79	95	79	83	81
Mobile Structure	119	109	135	115	110
Demountable Body	48	52	61	40	50
Barrack	13	9	15	15	8
Waste Materials, Recycle Materials	709	794	796	775	733
Less than 15m ³	640	743	753	736	695
More than 15m ³	69	51	43	39	38
Stack of Wood Materials	280	277	357	249	264
Less than 15m ³	212	212	213	213	211
More than 15m ³	68	65	44	36	53
Transformer, Utility Pole	192	211	215	196	214
Other Material	455	436	457	481	432

Cause of Other Fire

	2019	2020	2021	2022	2023
Human Activity	1 527	1 659	1 601	1 643	1 533
Machine or Device Failure	231	231	272	249	247
Natural Phenomena	129	135	109	107	109
Flammable Substance	31	27	32	31	32
Animal	2	2	4	2	2
Other Cause	203	204	222	169	210
Cause Unknown	213	193	219	228	236

Other Fire Cause of Ignition

	2019	2020	2021	2022	2023
Open Fire	735	892	775	846	764
Juvenile Fire Setting	51	81	67	94	51
Campfire, Grill	105	103	109	116	100
Rubbish Burning	163	259	178	200	180
Match, Other Firemaking Device	122	109	110	102	97
Cigarette, Tobacco	183	230	209	246	223
Firework, Pyrotechnic Products	89	82	68	64	72
Fireplace, Flue	32	39	22	32	28
Machine, Equipment, Process	204	204	237	236	223
Electrical Device	99	107	124	105	123
Hot Object, Ash, Spark	114	144	136	106	120
Frictional Heat, Spontaneous Ignition, Explosion	110	109	96	79	102
Natural Phenomena	68	64	57	63	55
Deliberate	560	566	587	550	523
Other Known Cause	236	192	79	194	209
Cause Unknown	278	243	238	306	317

Intentionality of Other Fire

	2019	2020	2021	2022	2023
Intentional	817	827	828	808	773
Negligence, Carelessness	349	395	341	352	321
Accidental	166	219	219	233	181
Unknown	184	205	213	250	258
Information has not been requested	801	776	858	787	836
Total	2 317	2 422	2 459	2 430	2 369

Traffic Accidents

	2019	2020	2021	2022	2023
Road Traffic	16 565	15 034	16 309	15 751	13 106
Rail Transport	154	137	103	104	119
Railway Level Crossing	61	65	36	32	30
Waterway Transport	143	139	153	131	82
Air Traffic	24	21	23	21	12
Off-road traffic	151	137	195	124	128
Other Traffic	173	179	201	181	161
Total	17 214	15 654	16 989	16 317	13 611

Oil Spills

	2019	2020	2021	2022	2023
Road Vehicle	1 634	1 780	1 553	1 414	1 437
Other Vehicle	303	306	274	267	305
Water Vehicle	89	122	112	89	84
Rail Vehicle	11	15	12	15	5
Other Machine or Device	168	187	165	165	176
Overfill	189	194	162	157	170
Tank Leak	78	78	71	42	29
Other Leak in Storing, Dispensing Device	144	154	127	185	181
Unknown Oil Spill in Water Body, Sewer	137	159	148	110	123
Treatment of Waste Oil, Used Oil	31	40	33	23	44
Other Cause	209	272	208	218	239
Total	2 993	3 310	2 865	2 686	2 797

Hazardous Material* Accident Site

	2019	2020	2021	2022	2023
Street, Other Urban Area	1 036	1 109	1 089	963	972
Highway	742	803	797	787	792
Port, Water Body	264	316	342	258	282
Yard, Railway	30	50	29	32	23
Shop, Petrol Outlet	175	194	193	202	185
Warehouse, Warehouse Area	174	193	176	163	183
Industrial Plant	94	93	98	106	83
Residential Building	134	141	108	122	132
Public Building	48	52	45	38	46
Accommodation, Restaurant Premises	10	8	13	12	13
Other Building	117	110	111	122	128
Other Site	500	522	438	459	513
Total	3 324	3 591	3 439	3 263	3 357

ADR Classification of Hazardous Material* Accidents

	2019	2020	2021	2022	2023
Explosives	0	0	1	0	0
Gases	106	60	94	95	103
Flammable Liquids	1 321	1 466	1 326	1 221	1 216
Flammable Solids	4	4	3	1	2
Oxidising Substances, Organic Peroxides	8	10	8	5	8
Toxic, Infectious Substances	9	8	9	4	5
Radioactive Substances	1	0	3	1	1
Corrosive Substances	67	69	65	50	45
Other Hazardous Material, Goods	14	15	14	11	17

*Oil Spills and other hazardous material accidents

Cause of Loss Prevention Operations

	2019	2020	2021	2022	2023
Natural Phenomena	5 386	12 853	6 995	5 869	8 642
Wind, Storm	3 717	12 191	5 615	4 376	7 321
Flood, Rain Water	472	446	656	562	855
Snow, Ice	972	67	389	733	278
Frost	52	6	143	32	25
Defect or Malfunction in a Machine, Device	1 115	868	1 152	988	1 288
Defect, Malfunction of Mains	586	390	631	482	479
Defect, Malfunction of Vehicle	310	285	289	281	280
Human Activity	910	961	938	933	965
Animal	38	25	37	32	28
Other Cause	285	287	314	288	305
Cause Unknown	148	136	164	116	123

Cause of Assistance Operations

	2019	2020	2021	2022	2023
Assistance of EMS	5 254	4 987	5 339	6 036	0
Human Activity	546	487	563	640	873
Defect, Malfunction in a Machine, Device	394	314	356	386	364
Defect, Malfunction of Vehicle	168	155	169	165	131
Defect, Malfunction of Mains	22	3	13	8	5
Defect, Malfunction of Grid	8	6	7	12	11
Natural Phenomena	102	67	96	119	100
Wind, Storm	35	38	36	34	34
Flood, Rain Water	12	13	16	18	20
Snow, Ice	45	13	31	60	38
Animal	44	38	31	26	54
Other Cause	234	205	211	242	546
Cause Unknown	23	23	22	10	38

Human Rescue Operations

	2019	2020	2021	2022	2023
Water Rescue	379	426	443	387	370
Rescue from Trap, Shaft, Collapse, Well	35	55	43	46	44
Rescue from Other Dangerous Place, Situation	299	253	284	287	264
Rescue from Place, Situation with No Immediate Danger	584	535	575	584	518
Rescue from Terrain	411	342	418	417	425
Lift Rescue	459	342	450	463	438
Other Rescue Operation	132	138	132	145	109

Animal Rescue Operations

	2019	2020	2021	2022	2023
Water Rescue	305	290	398	269	346
Rescue from Trap, Shaft, Collapse, Well	208	206	261	259	264
Rescue from Other Dangerous Place, Situation	212	207	218	209	248
Rescue from Place, Situation with No Immediate Danger	847	810	894	908	1 082
Rescue from Terrain	95	108	118	107	151
Lift Rescue	7	3	6	3	8
Other Rescue Operation	323	277	299	438	499

Cause for Automatic Fire Alarm

	2019	2020	2021	2022	2023
Fire, Hazardous Material Accident	679	651	595	628	643
Cooking	3 185	2 996	3 163	3 358	3 434
Negligence in Property Repair, Installation, Maintenance Work	2 402	2 286	2 185	1 690	1 675
Other Smoke, Dust	1 783	1 523	1 763	1 778	1 839
Moisture, Water	1 297	1 125	1 351	1 244	1 416
Sprinkler System Failure	962	827	1 129	1 024	1 092
Sensor Failure in Fire Alarm, Fixed Fire Extinguishing System	517	619	536	581	697
Other System Failure	438	368	373	382	573
Exhaust Gas	125	115	126	132	126
Smoking	183	175	164	203	232
Error, Misuse	417	404	421	414	394
Malicious Use	426	424	448	497	544
Impact on Sensor	320	281	283	322	321
Temporary High Temperature	283	195	331	291	217
Overvoltage	144	113	134	154	123
Other Cause, Cause Unknown	4 004	3 526	3 949	3 851	4 140

Automatic Fire Alarms

	2019	2020	2021	2022	2023
Building Fire	623	597	549	588	610
Building Fire, Not spread	547	524	493	513	534
Vehicle Fire	13	4	7	5	5
Other Fire	27	29	31	15	20
Hazardous Material Accident	20	20	15	23	11
Explosion, Risk of Explosion	7	4	1	2	2
Total	18 014	16 299	17 360	17 412	18 452
Share of False Alarm (%)	87	87	88	88	90

Other Check or Inspection Operations

	2019	2020	2021	2022	2023
Smoke Observation	4 295	4 178	4 205	3 976	4 031
Blind Call	813	837	802	780	778
Oil Observation	651	685	724	648	649
Gas Observation	143	173	156	178	155
Chemical Observation	134	164	141	141	179
False Call	128	93	87	137	96
Risk of Air Crash	109	103	75	92	80
Carbon Monoxide Alarm Check	41	52	53	64	93
Other Cause	4 356	4 666	3 627	3 389	3 635

5 Accident Damages

Deaths

	2019	2020	2021	2022	2023
Building Fire	48	42	46	49	46
Wildfire	0	0	1	0	1
Vehicle Fire	4	5	2	2	4
Other Fire	0	1	1	0	0
Traffic Accident	233	228	222	197	198
Oil Spill	1	0	0	0	0
Hazardous Material Accident	0	1	0	0	0
Explosion, Risk of Explosion	0	1	1	0	0
Collapse, Risk of Collapse	0	0	0	0	0
Human Rescue	99	121	132	117	105

Injured

	2019	2020	2021	2022	2023
Building Fire	572	524	294	287	253
Wildfire	16	21	16	9	16
Vehicle Fire	41	45	49	50	52
Other Fire	7	5	14	19	18
Traffic Accident	8 820	7 805	7 711	7 168	6 449
Oil Spill	9	5	6	4	11
Hazardous Material Accident	67	61	49	36	53
Explosion, Risk of Explosion	8	8	9	9	4
Collapse, Risk of Collapse	8	1	2	11	27
Human Rescue	622	595	588	582	548

Fire Deaths

	2019	2020	2021	2022	2023
Fire Deaths	49	49	51	51	51
Accidental	42	39	40	43	46
Deaths per Million Inhabitants	9	9	10	10	10

Fire Deaths by Gender

	2019	2020	2021	2022	2023
Men	34	33	34	41	35
Women	15	16	17	10	16

Fire Deaths by Cause of Ignition

	2019	2020	2021	2022	2023
Cooking	3	2	4	2	0
Deliberate	6	10	11	8	5
Open Fire	5	4	1	11	1
Cigarette, Other Tobacco Product	13	9	11	14	15
Electrical Device	7	1	9	4	12
Other Known Cause	6	16	6	2	4
Cause Unknown	6	7	9	10	19

Fire Deaths by Building Type

	2019	2020	2021	2022	2023
Residential Building	44	39	44	35	41
Detached houses	19	16	24	19	19
Attached houses	7	6	10	5	5
Blocks of flats	12	11	10	9	16
Free-time Residence	6	2	1	6	2
Institutional, Healthcare Building	0	0	1	0	1
Other Building	1	2	0	8	3

Smoke Alarm Activation in Fatal Fires

	2019	2020	2021	2022	2023
Smoke Alarm Activated	15	5	8	11	13
Smoke Alarm Did Not Activate	4	3	3	2	0
Smoke Alarm Activation Unknown	7	28	20	22	21
No Smoke Alarm	8	4	6	16	13

Total Property Damages from Fires

	2019	2020	2021	2022	2023
Burnt Floor Area in Residential Building Fires (m ²)	-	-	-	-	
Damage to Building, Furnishings in Building Fires (MEUR)	124	143	169	157	182
Property in Danger in Building Fires (MEUR)	2 805	2 775	2 676	4 644	4 255
Burnt Land Area (ha)	793	716	761	374	569
Burnt Forest Area (ha)	476	474	564	267	388
Vehicle Fire (MEUR)	24	24	20	20	21
Other Fire (MEUR)	4	13	5	4	5

Average Property Damages from Fires

	2019	2020	2021	2022	2023
Burnt Floor Area in Residential Building Fires (m ²)	-	-	-	-	
Damage to Building, Furnishings in Building Fires (€)	23 717	29 073	32 058	30 987	37 120
Burnt Land Area (ha)	0,26	0,35	0,31	0,16	0,21
Burnt Forest Area (ha)	0,31	0,36	0,44	0,23	0,28
Vehicle Fire (€)	10 586	10 690	9 239	9 520	10 277
Other Fire (€)	1 682	5 323	1 973	1 633	2 317

6 Rescue Activities

Rescued and Evacuated Persons

	2019	2020	2021	2022	2023
Building Fire	1 678	1 880	805	605	1 242
Vehicle Fire	389	23	5	106	474
Other Fire	281	302	22	51	71
Traffic Accident	1 149	964	1 079	991	931
Hazardous Material Accident	1 122	74	130	273	512
Explosion, Risk of Explosion	0	100	9	28	20
Collapse, Risk of Collapse	12	0	8	13	48
Human Rescue	1 907	1 754	1 841	1 789	1 893

Activities at Rescue Operations

	2019	2020	2021	2022	2023
Extinguishing, Confining Fire	9 104	8 695	8 519	8 347	8 384
Smoke Venting	4 421	4 271	4 290	4 635	4 572
Technical Rescue, Clearing	14 088	18 881	14 337	13 580	15 167
Prehospital Care	19 082	12 869	15 740	16 807	15 865
Warning the population	75	102	84	83	72

Methods of Rescue Activities

	2019	2020	2021	2022	2023
Water Extinguishing	7 953	7 688	7 403	7 162	7 244
Using the Extinguishing Cutter	44	49	63	56	41
Foam Extinguishing	876	905	886	914	885
Use of Fire Extinguisher	687	786	813	841	782
Smoke Diving	1 651	1 426	1 420	1 247	1 068
Surface Rescue	261	292	321	263	276
Water Diving	57	68	84	58	98
Forcible Entry	1 811	1 747	1 961	2 146	2 074

Median of the Response Time of First Unit*

	2019	2020	2021	2022	2023
Time 08-16	7:38	7:23	7:37	7:22	7:16
Time 16-24	7:49	7:45	7:27	7:33	7:21
Time 00-08	8:27	8:20	8:20	8:13	7:56
Median for Whole Year	7:58	7:49	7:41	7:36	7:26

*Urgent assignments excluding medical assignments

Median of the Response Time

	2019	2020	2021	2022	2023
Risk Class I	10:49	10:42	10:44	10:32	7:49
Risk Class II	11:16	11:12	11:17	10:59	9:03
Risk Class III	10:54	10:58	11:05	11:05	10:44
Risk Class IV	15:34	15:22	15:43	15:47	16:01
Median for Whole Year	12:16	12:13	12:20	12:11	11:01

Median of the Total Response Time

	2019	2020	2021	2022	2023
Helsinki	13:58	14:00	14:19	13:56	11:22
West Uusimaa	14:13	14:24	14:39	14:24	12:38
Central Uusimaa	14:19	14:15	14:32	14:33	12:15
East Uusimaa	15:16	15:12	15:24	15:20	15:32
Southwest Finland	14:11	14:03	14:16	14:02	13:05
Kanta-Häme	15:15	15:33	15:38	15:02	14:45
Päijät-Häme	14:35	14:46	15:01	15:01	13:40
Kymenlaakso	14:40	14:17	14:16	13:56	12:31
South Karelia	16:33	16:16	15:55	16:22	15:51
South Savo	18:31	17:34	17:48	18:39	20:04
Central Finland	16:58	16:23	17:04	16:59	16:38
Pirkanmaa	14:38	14:54	15:12	14:32	13:40
Satakunta	14:36	14:48	14:35	14:22	13:26
South Ostrobothnia	14:54	14:52	14:42	14:43	13:25
Ostrobothnia	15:14	15:08	15:19	15:21	14:42
Central Ostrobothnia	13:38	14:20	14:01	13:22	13:57
North Ostrobothnia	-	-	-	-	14:10
North Savo	16:28	16:16	16:13	15:44	15:10
North Karelia	16:52	18:32	19:30	17:46	19:59
Jokilaaksot	17:06	16:35	16:46	16:06	-
Kainuu	19:36	18:50	18:40	19:04	20:58
Oulu-Koillismaa	14:52	15:04	14:42	14:12	-
Lapland	17:23	18:41	17:57	17:20	18:09
Median for Whole Year	15:00	15:03	15:09	14:54	13:47



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