

Sprinkler Performance

Residential Structural Fire	%	Number	Sprinkler Performance
Present/operating	0.8	1253	32.0%
Present/not-operating	1.7	2663	68.0%
No Sprinklers	78.3	122666	
Unknown	19.2	30079	
Total Fires	100	156,661	
Total Sprinkler Fires	2.5	3917	
Apartment Fires	%	Number	Sprinkler Performance
Present/operating	1.9	687	29.7%
Present/not-operating	4.5	1628	70.3%
No Sprinklers	75.7	27379	
Unknown	17.6	6366	
Total Fires	100	36,168	
Total Sprinkler Fires	6.4	2315	
Non-Residential Structural	%	Number	Sprinkler Performance
Present/operating	4.3	2241	82.7%
Present/not-operating	0.9	469	17.3%
Present/Fire too small	11.6	6044	
No Sprinklers	60.1	31315	
Unknown	23.1	12036	
Total Fires	100	52105	
Total Sprinkler Fires	5.2	2709	
All Structural Fires¹	%	Number	Sprinkler Performance
Present/operating	3.3	2928	58.3%
Present/not-operating	2.4	2097	41.7%
Present/Fire too small	6.8	6044	
No Sprinklers	66.5	58694	
Unknown	20.8	18402	
Total Fires	100.0	88273	
Total Sprinkler Fires	5.7	5024	

Reference "Fire In the United States" 1989-1998, Twelfth Edition, National Fire Data Center USFA, FEMA
 Data for Non-residential and Apartment fire numbers only¹

Table 4 Sprinkler Performance FEMA, 1989-1998