

# 2014 BuildingReports Fire & Life Safety Inspection Benchmark Report Fast Facts

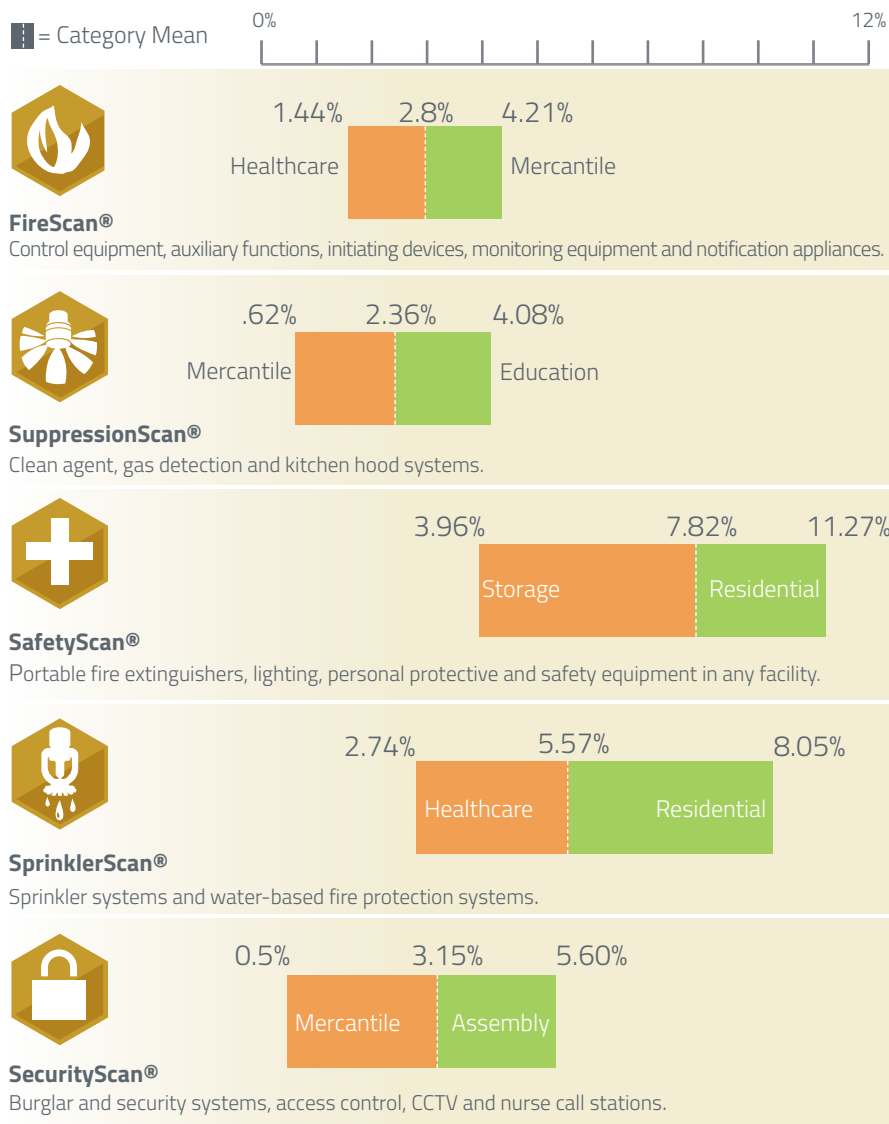


This Fast Fact summary of the full benchmark report provides an easy to digest high-level overview of the full report findings. Please register for the full report at [www3.buildingreports.com/benchmark](http://www3.buildingreports.com/benchmark).

For the last 15 years, BuildingReports has gathered device-level inspection data for each fire and life safety device type for the following property types: Assembly, Business, Detention, Educational, Health, Industrial, Mercantile, Mixed, Residential and Storage.

Through our online inspection and reporting technology, data from over 120 million devices was compiled and analyzed in this introductory Fast Facts report. Here you will find data on the time required to perform safety inspections and the failure rates of fire and life safety equipment, as well as the key factors contributing to device performance. Ultimately, this report is designed to benefit the entire industry and help improve fire and life safety effectiveness.

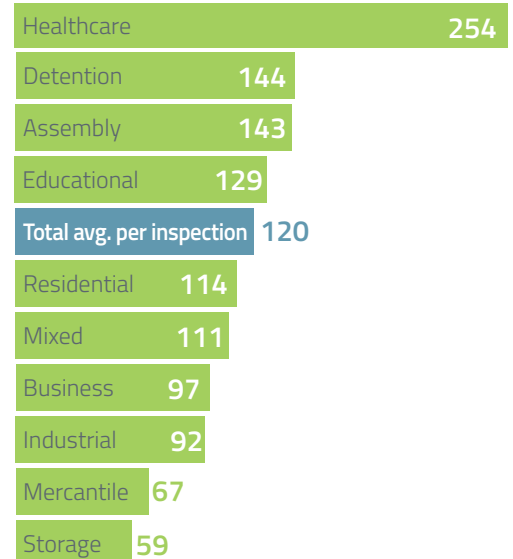
## Healthcare boasts lowest average device failure rate



**KEY TAKEAWAY** - Healthcare led all facility types with the lowest average device failure rates across all categories with only 1.78%. Mercantile leads in two categories, in terms of failure rate, but also had the lowest number of devices in those categories (Suppression and Security).

## It's a matter of time: Inspection time per facility

Average minutes per inspection

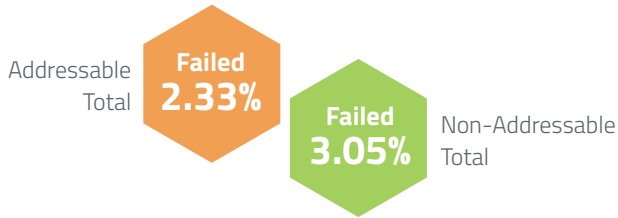


**KEY TAKEAWAY** - Healthcare and Storage represent the longest and shortest average time per inspection, respectively. These results were not unexpected based on the average number of devices per industry reported in the full report.

Detention, Assembly and Educational also took longer than average due to the nature of those facilities being more difficult to inspect.



## How do they compare? Addressable vs. Non-Addressable (or Conventional) System Performance



**KEY TAKEAWAY** – The investment in technology for addressable fire alarm systems has risen over the 15-year span this report covers. The increase correlates to the data that shows addressable systems make up a high percentage of the overall total device failures. However, when comparing failure rates between all the individual devices connected to a conventional system versus all the devices connected to an addressable system, addressable devices have a 24% lower failure rate.

## Top reasons why devices fail inspections

As expected, “Damaged or Defective” was identified most often as reason for failure to pass a compliance inspection. Some other interesting factors for failures came to light in each category of inspected equipment with some interesting examples highlighted below (please register for the full report for complete analysis).

<p><b>FireScan®</b></p> <p>2%</p> <p>Description or Location Discrepancies</p> <p>A figure of 2% within a category can be significant given over 120 million total devices are included in the study sample. Therefore, “Description or Location Discrepancies” indicates a <b>significant risk related to emergency response</b> being able to correctly identify the location of an emergency.</p>	<p><b>SuppressionScan®</b></p> <p>56%</p> <p>Expired or Decommissioned</p> <p>Compared to other categories, Suppression devices failed a majority of the time due to being “Expired or Decommissioned” (or, “Remove from Service/ RFS”). This failure reason was primarily associated with <b>Agent Tanks, Batteries, Hoses and CO2 Tanks.</b></p>	<p><b>SafetyScan®</b></p> <p>5%</p> <p>Missing Device or Parts</p> <p>“Missing Device or Part” is a potentially concerning percentage, with nearly <b>76% of Safety devices being Fire Extinguishers.</b> More often than not fire extinguishers were missing altogether, indicating that theft may be a significant cost factor.</p>	<p><b>SprinklerScan®</b></p> <p>4.5%</p> <p>Missing Signage</p> <p>The <b>NFPA 13 signage requirements</b> have undoubtedly made an impact on sprinkler failures, significantly contributing to the 4.5% reported failure rate. In fact, it nearly outranked “Other/Not Specified” for second place in the report.</p>	<p><b>SecurityScan®</b></p> <p>4.3%</p> <p>Inaccessible or Blocked</p> <p>The majority of devices failing for this reason were buttons, which if blocked or inaccessible would <b>not be available in the event of a Security emergency.</b></p>
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Get the full report at: [info@buildingreports.com](mailto:info@buildingreports.com) or [www3.buildingreports.com/benchmark](http://www3.buildingreports.com/benchmark)

BuildingReports offers mobile and online inspection reporting tools to enable inspectors to quickly gather data on fire and life safety devices to ensure they are working properly and meet code requirements. With more than 120 million inspected devices to date that account for nearly 2 million inspections, 330,000 buildings represented and over 600 inspection companies in its network, BuildingReports has earned its reputation as the most trusted name in compliance reporting. Over the 15 years of providing inspection reporting services, BuildingReports has amassed the largest database of fire and life safety equipment data in the world and is committed to providing verified aggregate data to the fire and life safety industry to assist in protecting the safety of all who live, work and visit a facility.

