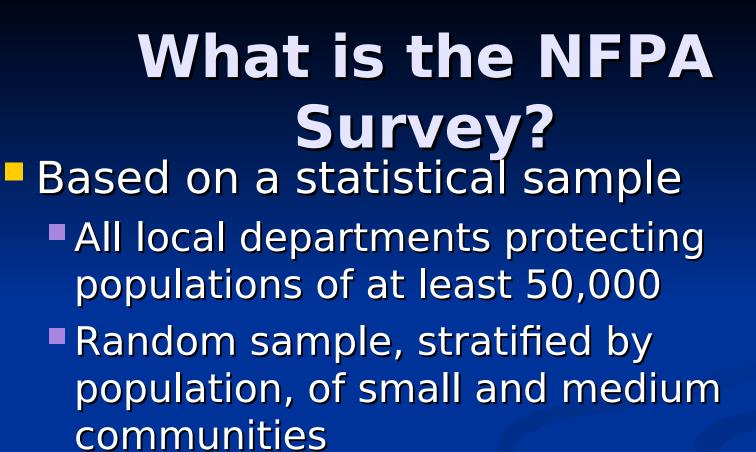
# NFPA's Survey and How It Relates to NFIRS

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## **To Be Covered**

- What is NFPA's survey?
- What does it do that NFIRS doesn't?
- What does NFIRS do that the survey doesn't?
- How are national estimates calculated for specific fire problems?
- Upcoming changes to the survey
- Common questions
- A bit about NFPA statistics



- Collects fire department experience data for past year
- Summary data only



## **Survey Contents**

Fire department characteristics Responses by broad incident type Greater detail on false alarms Fires, civilian deaths and injuries, direct property damage by broad incident type Structure fires by broad property type Firefighter injuries by duty Firefighter fireground injuries by cause Fire department vehicle accidents Major fires



# What Does the Survey Do that NFIRS Doesn't?

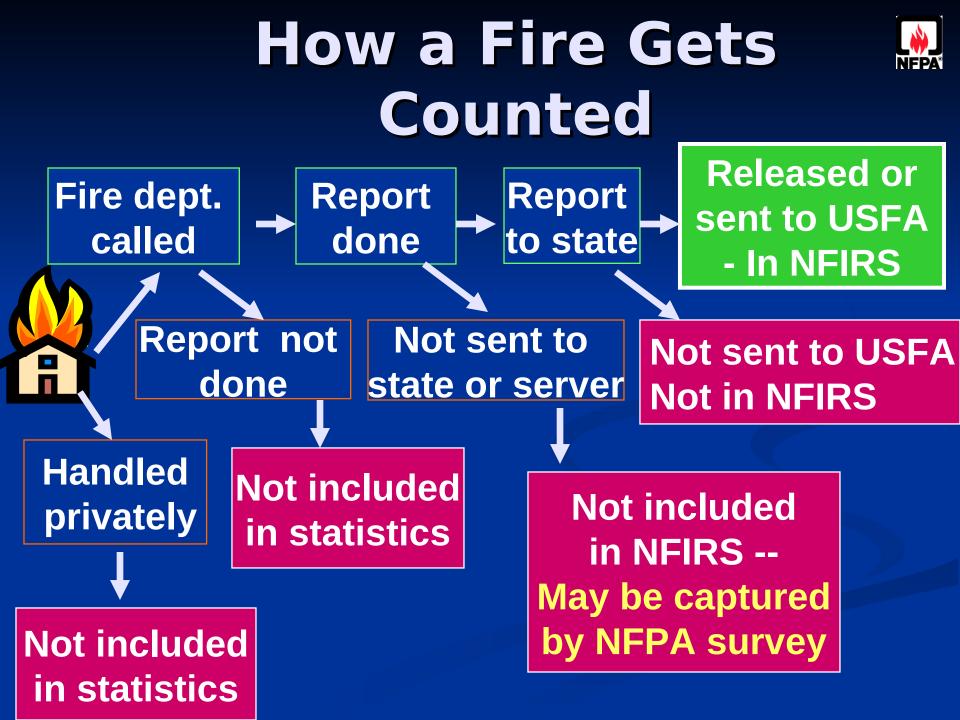
Projections are possible because of the statistical sample Same rules throughout the country In NFIRS, different states have different reporting requirements Previous year's analysis is complete by late summer or early fall



# What Does NFIRS Do that the Survey Doesn't?

#### Lots!

- More detail
- Incident based system can answer more questions
- Can compare different jurisdictions if they follow the same reporting policies and practices





What Do the Survey and **NFIRS Have in Common?** Both use NFIRS codes Fire departments fill out both Data quality can be an issue NFPA follows up on vehicle fire deaths



## How Are National Estimates Calculated?

- NFIRS provides the details, but not the whole universe of reported fires
- NFPA survey is sample-based, so projections can be made about total
   Lacks detail
- Combine the two to develop scaling ratios



## National Estimates Calculations Projected totals from NFPA survey



### NFIRS totals

#### Different scaling ratios for

- Residential structures, non-residential structures, vehicles, and outside and other
- Fires, deaths, injuries, and property damage



## Upcoming Changes to Survey

- CPSC wanted survey information on confined fires
- 2007 survey asks about the number of
   Confined and non-confined
  - Residential and all structure fires
- Mutual aid is restricted to mutual aid given
- Some departments will not be able to answer these questions the first year

Common Questions about the Survey



### Why didn't we get one this year? Random sample for smaller departments Can only accept surveys from departments in the sample Sample varies by year Department is likely to be in sample in some future years



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Yes

For your own fire department
 Yes, if we have it
 For other fire departments
 No



# Can I get fire statistics by state?

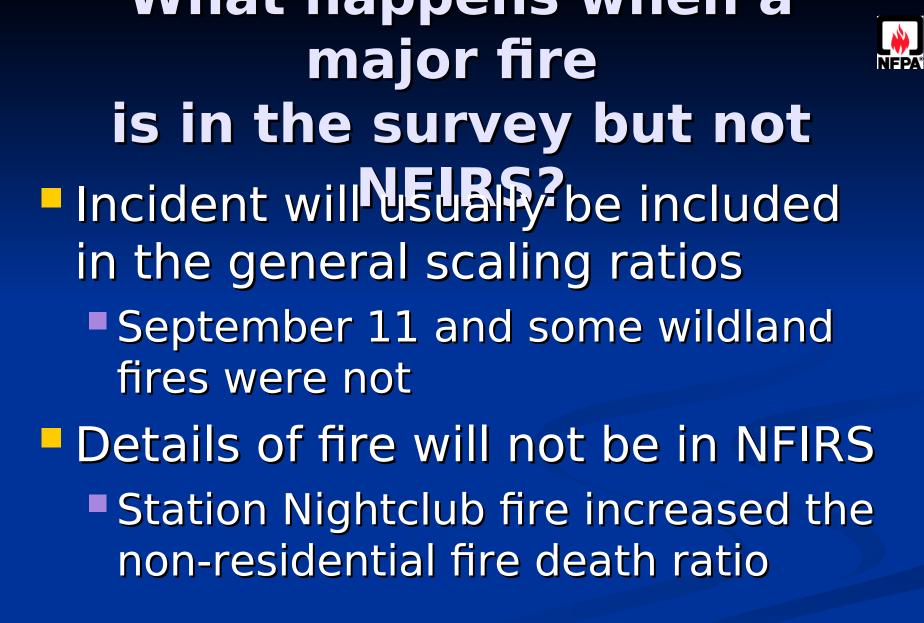
- For unintentional injury fire deaths
  - Yes
  - Death certificate data used, not NFPA survey
- For fires
  - No
  - Inconsistent reporting practicesNFPA survey is a *national* sample

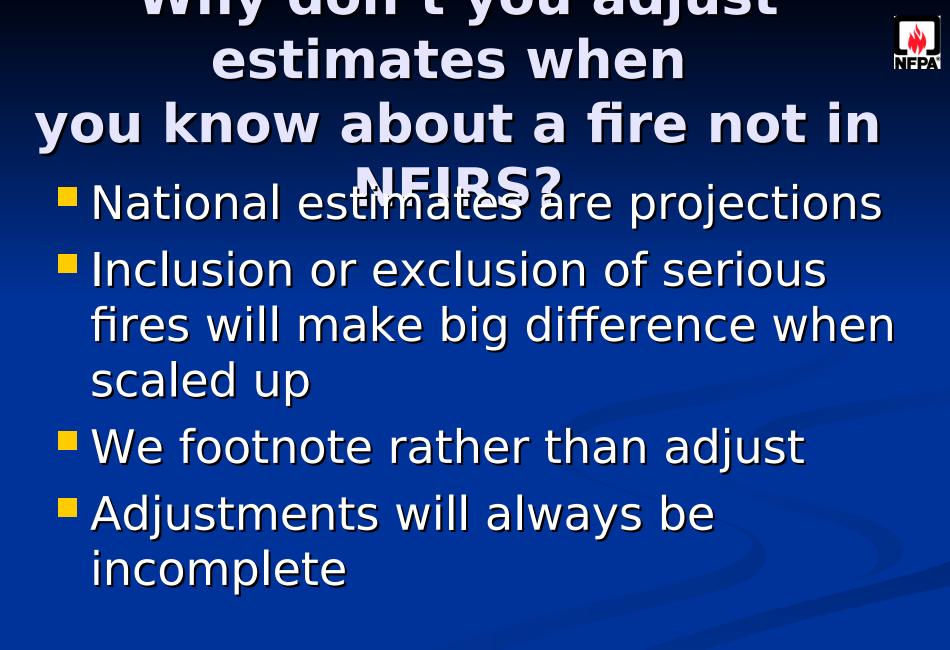


## twice if it is in NFIRS and the Survey?

Survey projections are calculated independently of NFIRS

If all incidents captured in the survey were in NFIRS, the scaling ratio should be 1







## **NFPA Statistics**

- CD of our reports in packet Also brief statistical fact sheets Sign up for quarterly CDs and/or emailed reports Reports are copyrighted Links are welcome
  - We will send reports to fire service for free



## **More on NFPA Statistics**

- NFIRS used in almost all
   Thank you for making it possible
- With lead time, we can do custom work
  - Fee may be waived if it contributes to NFPA's mission
- Help us get the statistics to people who provide the data



## In Summary

- NFPA survey and NFIRS are complementary
  Both are used for national estimates
  Thank you for helping us
  - understand the fire problem