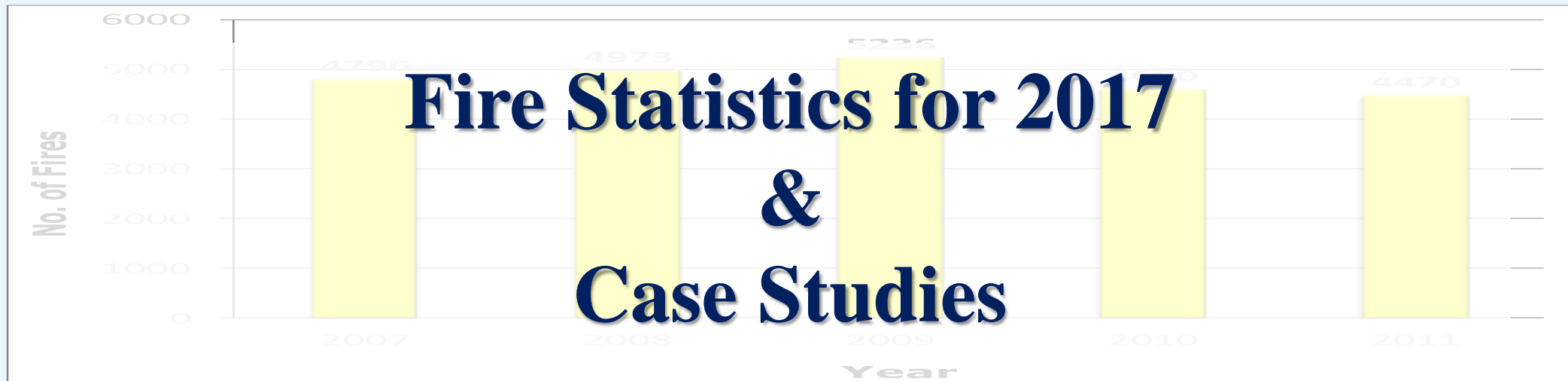




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CPT Joel Ee
B.Engineering (Materials Engineering)
Team Leader | Fire Investigation Unit | Operations Department



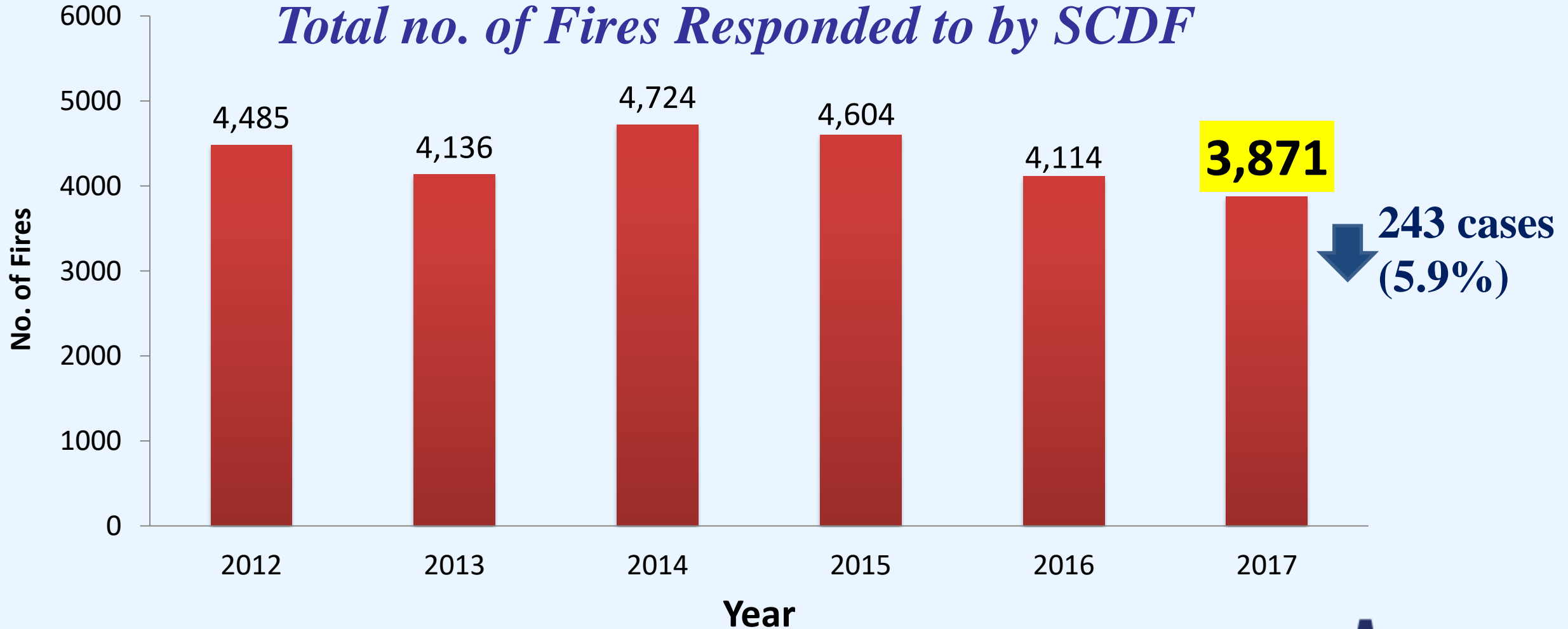
SCOPE

- ❑ Fire Statistics & Trends in Singapore (2017)



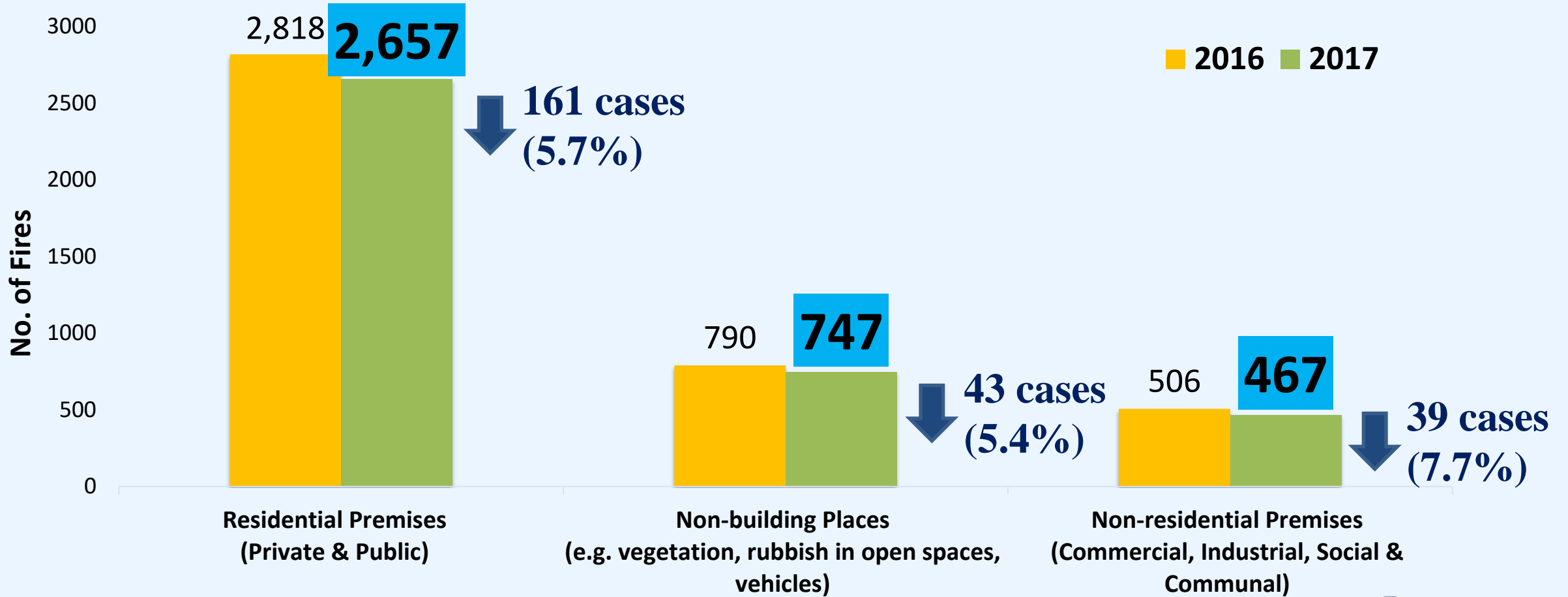
FIRE STATISTICS & TRENDS

Total no. of Fires Responded to by SCDF



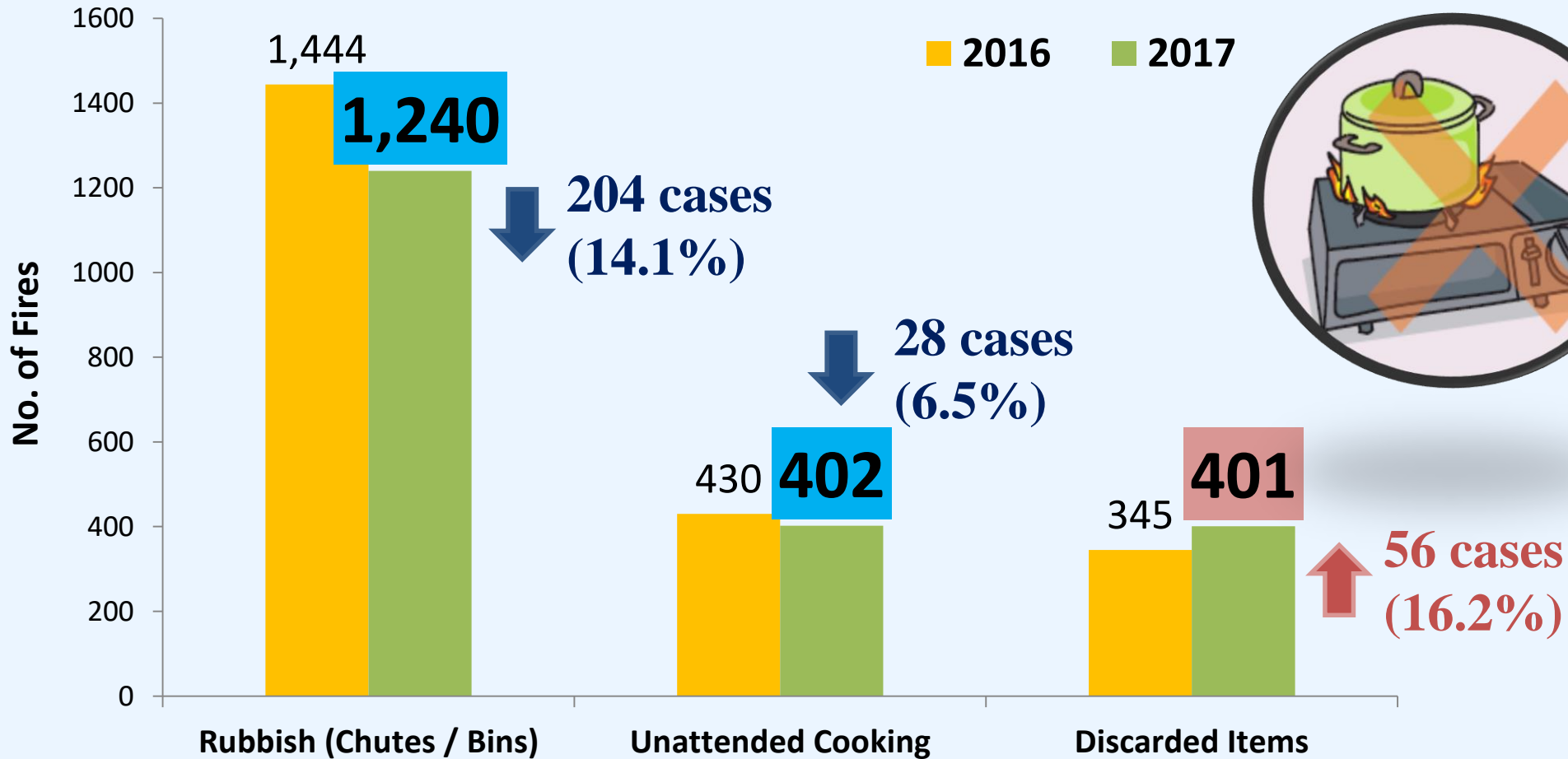
FIRE STATISTICS & TRENDS

Breakdown of Fires by Types of Premises



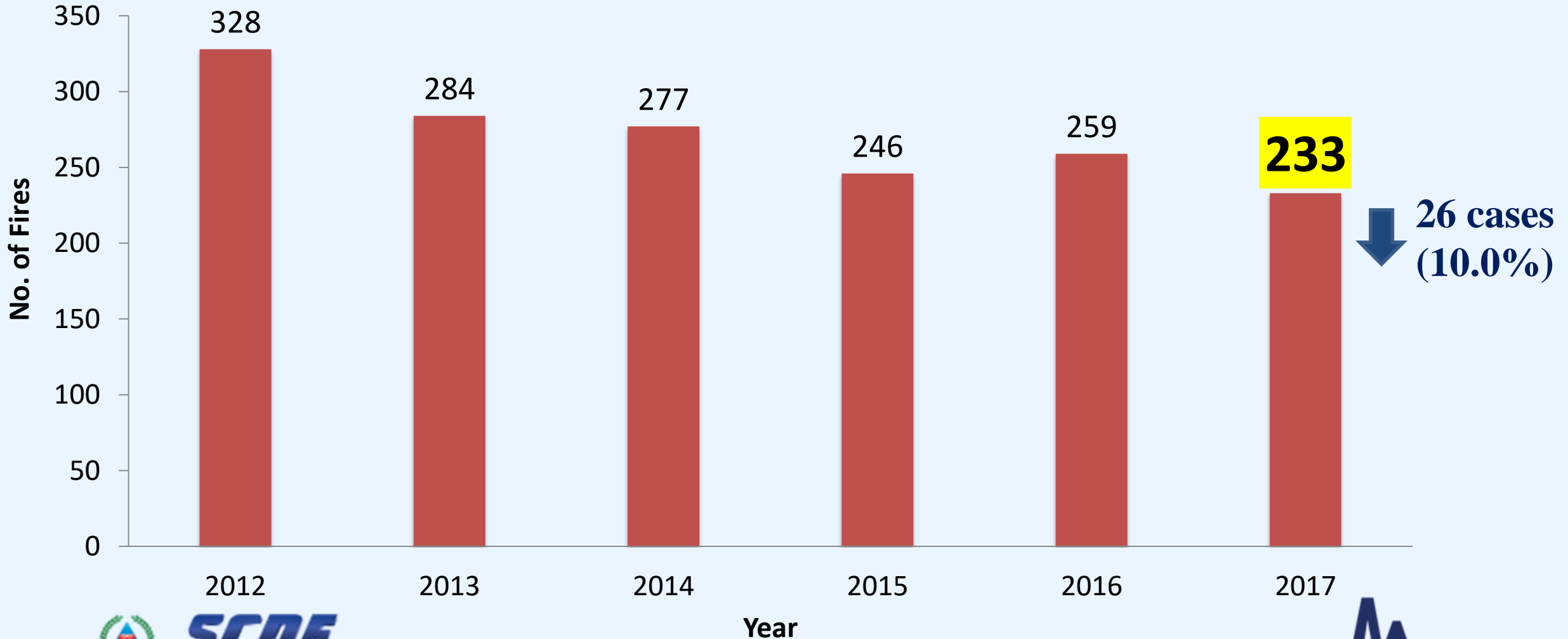
FIRE STATISTICS & TRENDS

Top 3 Types of Fires in Residential Premises



FIRE STATISTICS & TRENDS

Fires in Commercial Premises



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Year



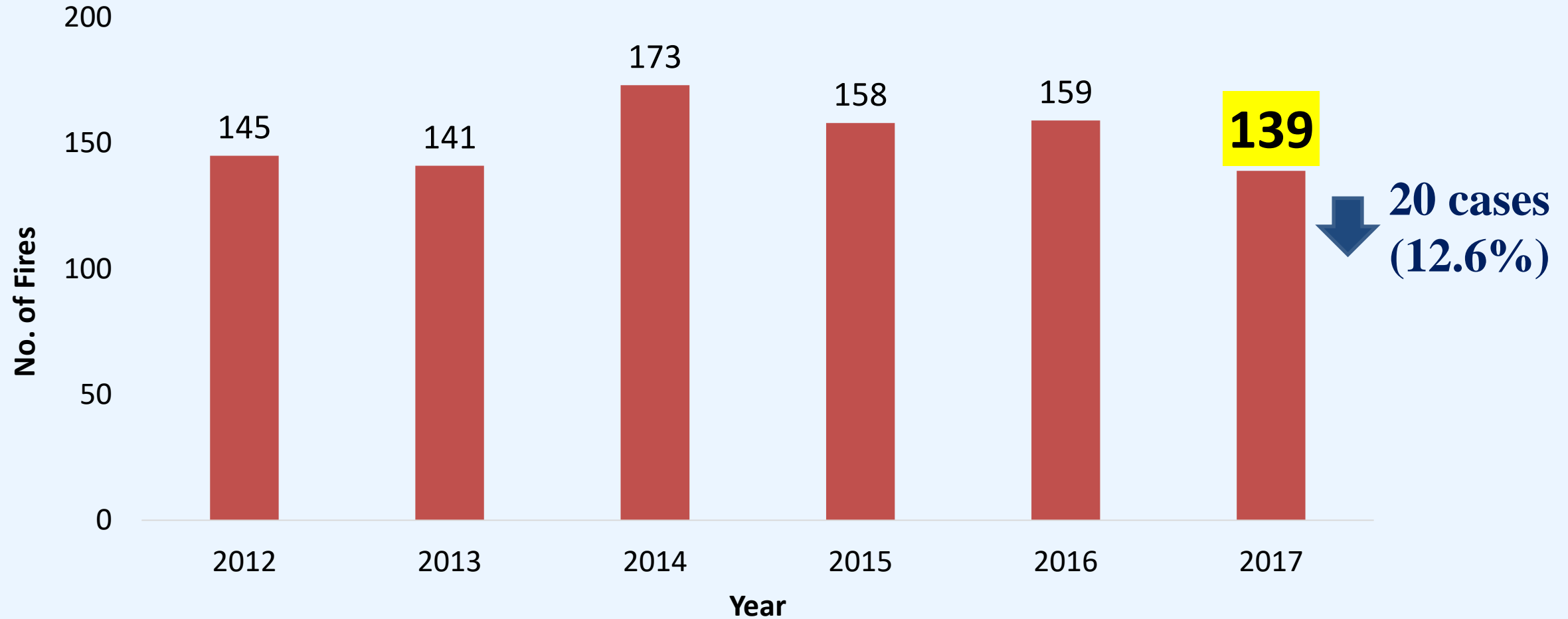
FIRE STATISTICS & TRENDS

Top 3 Types of Fires in Commercial Premises



FIRE STATISTICS & TRENDS

Fires in Industrial Premises

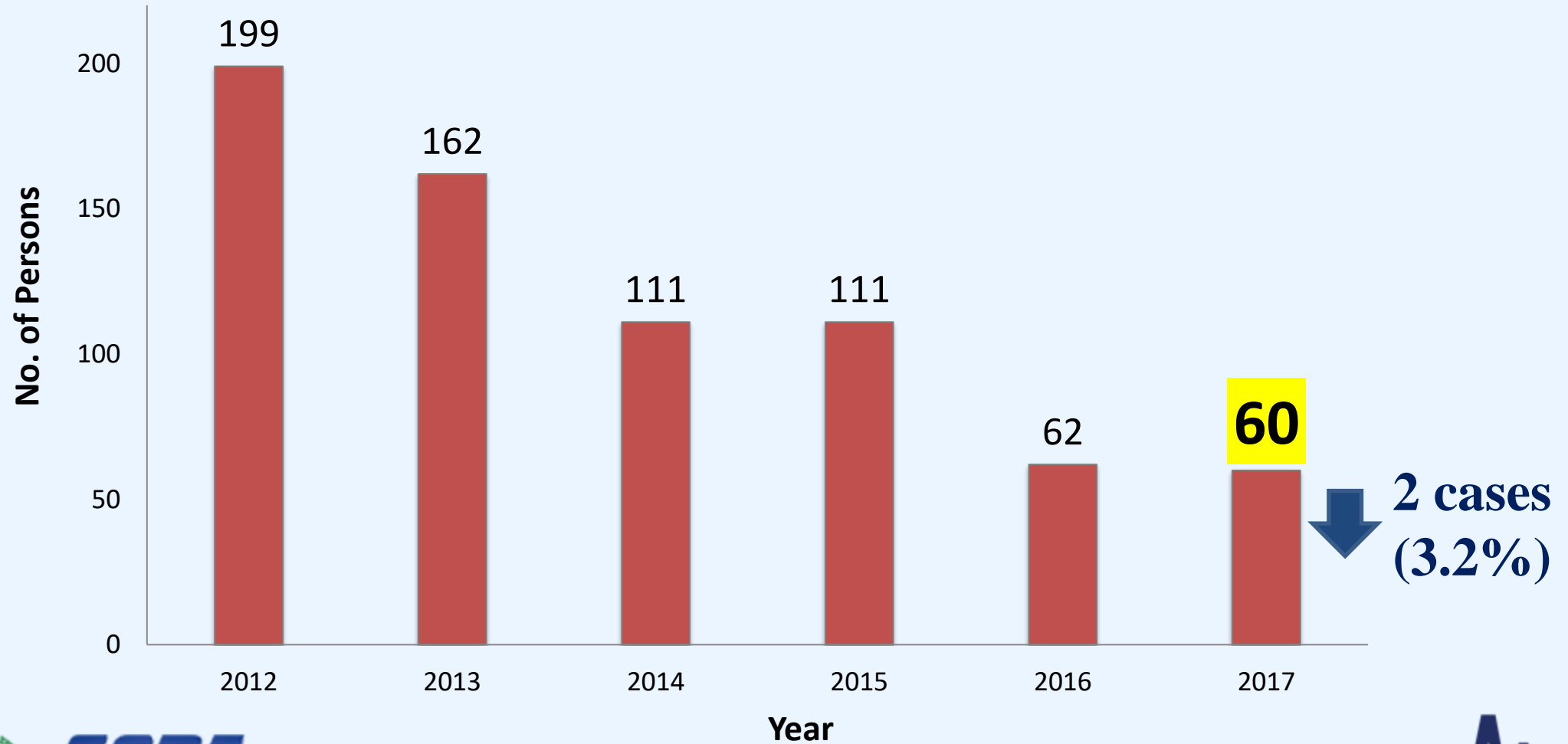


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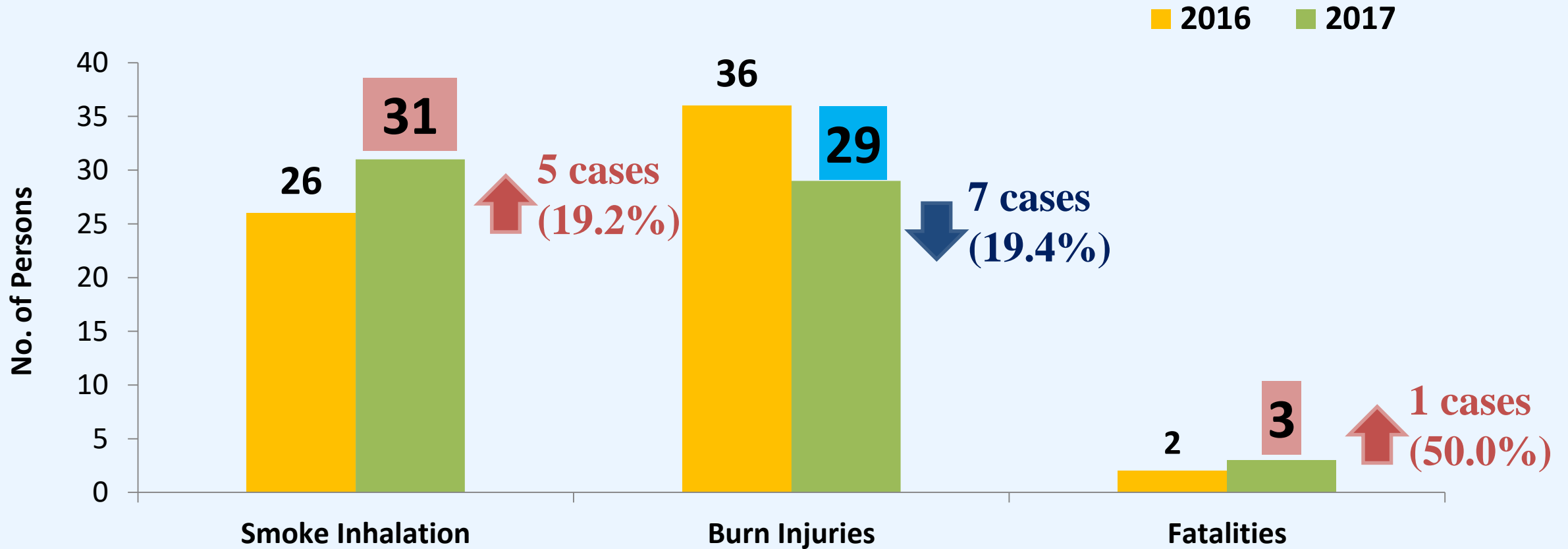
FIRE STATISTICS & TRENDS

Fire Injuries in Singapore

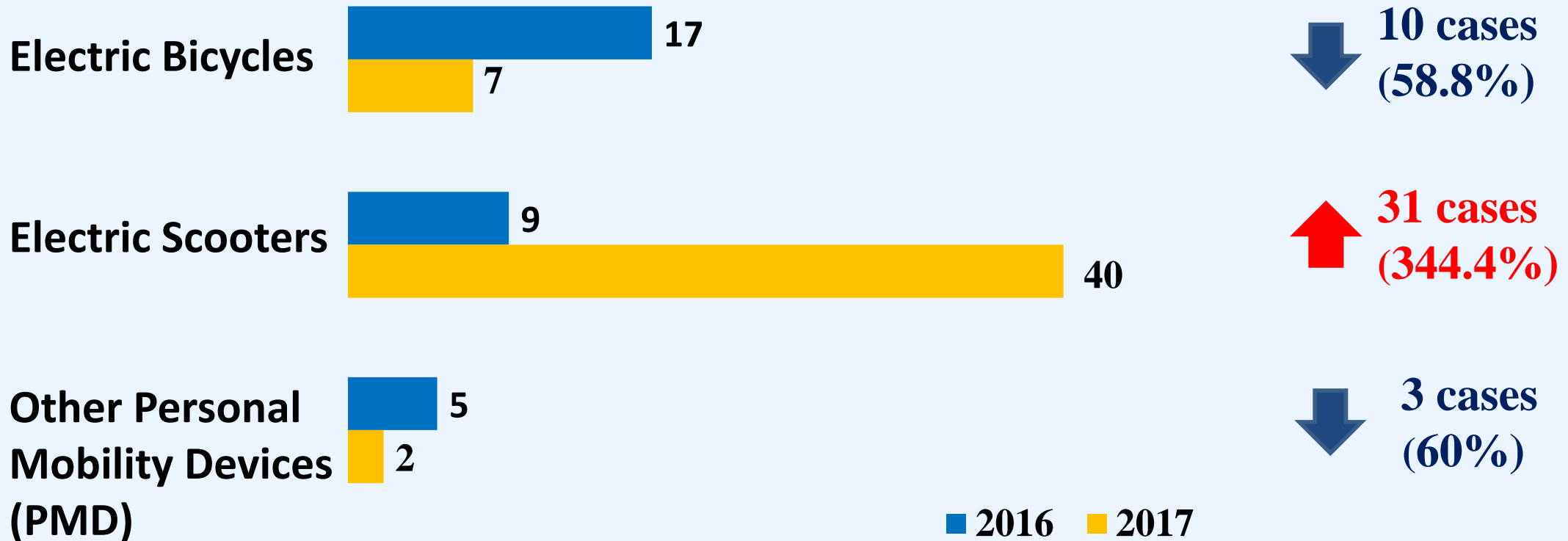


FIRE STATISTICS & TRENDS

Fire Injuries and Fatalities



Area of Concern: Fires Involving Electric Scooter



FIRE STATISTICS

Area of Concern: Fires Involving Electric Scooter



AFTER USE
Proper Storage

- Tape over the charging terminals if batteries are not to be used for a long period of time
- Store batteries at room temperature

• Avoid prolonged direct heat exposure and keep away from combustible or flammable materials

AFTER USE
Avoid Overcharging

- Do not overcharge batteries – some battery models do not have a power cut-off function
- Avoid over-charging your power bank
- Avoid charging it overnight

The manual says to **unplug** the power bank when all 5 indicator lights are green!

Look out for the **SAFETY Mark** on power adaptors when shopping for electronics.

For more information, please go to www.scdf.gov.sg/ community-volunteers/publications

A SAFETY MESSAGE BROUGHT TO YOU BY

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The infographic contains several illustrations: a battery on a green surface with a thermometer showing room temperature; a person taping over battery terminals; a sun and a fire with red 'X' marks indicating to avoid them; and a cartoon scene of a man and a woman talking about a power bank with a speech bubble.

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SAFETY TIPS AT THE WORKPLACE

- **Conduct a fire risk assessment to identify hazardous areas and processes and take active steps to eliminate or lower the risks.**
- **Provide on-going training and awareness for employees and contractors.**
- **Ensure good “housekeeping”**
 - **Reduce amount of time waste is stored untouched**
 - **Reduce height of piled waste**
 - **Segregation of waste into smaller and manageable piles thus reducing fuel load**
 - **Safety distance between operating equipment and waste where possible**



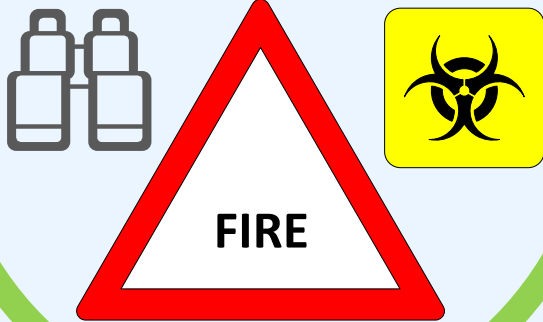
SAFETY TIPS AT THE WORKPLACE

- **Develop in-house capabilities and competencies**
 - **CERT, sufficient fire-fighting equipment, regular drills, etc.**
 - **knowing what is stored and how to act e.g. how to handle lithium ion battery fires**
- **For more information**
 - **www.scdf.gov.sg**
 - **www.nfec.org.sg**
 - **www.wshc.sg**

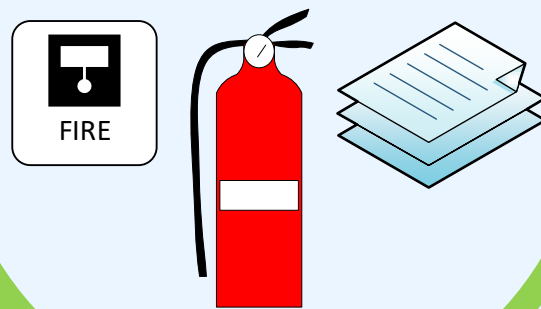


CONCLUSION

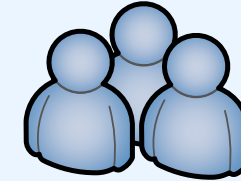
Be *Aware*



Be *Prepared*



Be *Ready to Respond*



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THANK YOU FOR YOUR ATTENTION.



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