

Fire Safety in Licensed Care Facilities



Student Handouts

Fire Safety in Licensed Care Facilities



WELCOME



**PREVENT FIRES
IT'S YOUR JOB!**



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Fire Safety in Licensed Care Facilities



Today's Licensed Care Facilities offer many amenities. Fire safety remains paramount.

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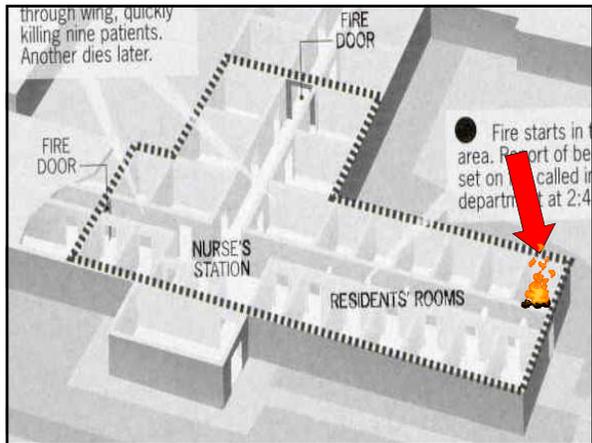
**Lesson 1
Fire Protection**



Objectives:

- Understanding Fire and Smoke Spread
- Understanding features of Fire Protection in the Care Facility
- Fire Extinguishers 101

It is important to recognize deficiencies and report them to your supervisor or maintenance staff.

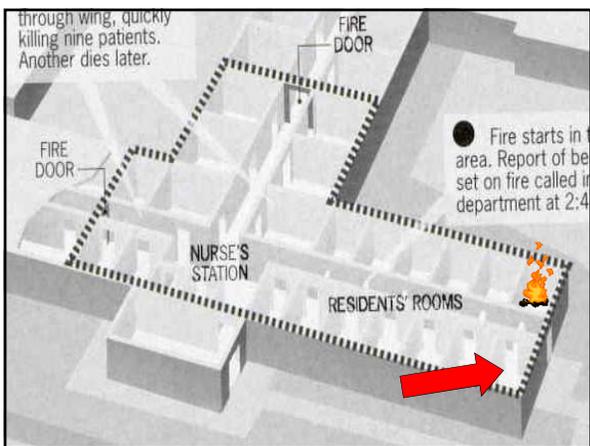






















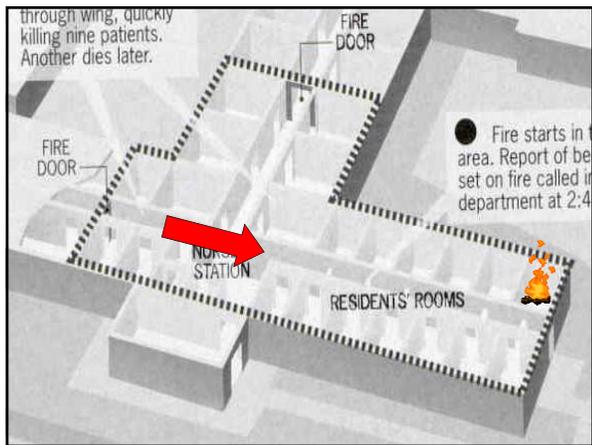






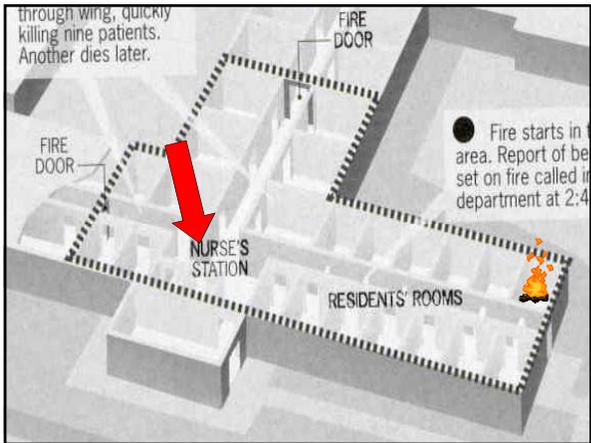






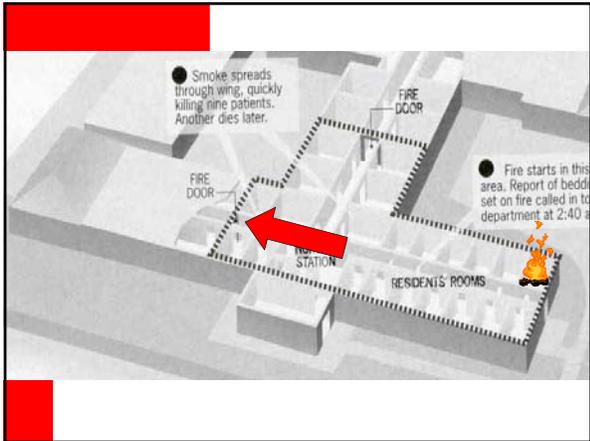


















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Lesson 1 - Fire Protection
Fire Behavior

It is critical to understand how fast a fire can grow.

Identify Fire Development

- Ignition
- Fire Growth
- Smoke Spread



Size of Fire - Diameter	Time Elapse
1 foot	Beginning
6 foot	2 minutes
12 feet	4 minutes
48 feet	6 minutes
568 feet	10 minutes

Lesson 1 - Fire Protection
Smoke Spread



Smoke is what kills most fire victims

This resident woke, escaped the fire and died in the yard from breathing heated smoke and poisonous gasses.

Lesson 1 - Fire Protection
Features of Fire Protection



Care facilities have among the most vulnerable populations that are not capable of escaping a fire.

This is why there are fire and life safety codes that provide automatic protection.

Lesson 1 - Fire Protection
Features of Fire Protection



Building Construction

Building materials and construction design can slow the spread of fire and smoke.

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Lesson 1 - Fire Protection
Features of Fire Protection



Doors




Doors stop the spread of smoke and provide a fire stop.

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Lesson 1 - Fire Protection
Features of Fire Protection




Means of Egress Components

1. Exit Access
2. Exit
3. Exit Discharge




Provide a safe exit route in the event of an emergency.

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Lesson 1 - Fire Protection
Features of Fire Protection




Emergency Lighting

Provides illumination of egress and exiting.




Burned out exit lights should be reported to maintenance or supervisory staff.

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Lesson 1 - Fire Protection
Features of Fire Protection



Corridors

Keep corridors clear of obstructions for a quick evacuation in case of emergency.



Have a plan to quickly remove "in use" obstructions such as patient lifts, laundry carts, etc.

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Lesson 1 - Fire Protection
Features of Fire Protection



Smoke Compartments

Smoke Compartments are designed to limit the spread of smoke and contain it to just one compartment of the building.



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Lesson 1 - Fire Protection
Features of Fire Protection



Sprinkler Systems

Can extinguish or contain a fire until the fire department arrives.



18" clearance required

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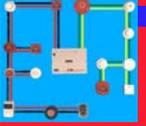
Lesson 1 - Fire Protection
Features of Fire Protection



Fire Alarm Systems

- A green light indicates normal.
- A yellow light indicates trouble.
- A red light indicates an emergency alarm activation.

The best smoke detector is your nose. You will smell smoke long before a smoke alarm unless you are sleeping.




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Lesson 1 - Fire Protection
Features of Fire Protection

Inspection, Testing and Maintenance of Fire Protection Systems





- Fire Drills
- Emergency lighting
- Emergency generators
- Sprinkler systems
- Fire alarm systems
- Fire extinguishers
- Kitchen hood systems

Plan your escape route



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Lesson 1 - Fire Protection
Fire Extinguishers



Type of Extinguisher	Classification	Materials it will Extinguish
A	Ordinary Fire	Wood, paper cloth, trash
B	Flammable and Combustible Liquids	Gasoline, cooking oil, paint
C	Energized Electrical Equipment	Breaker panels, wiring, fuse boxes, live electrical equipment
ABC	Multipurpose	Multipurpose

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Lesson 1 - Fire Protection
Fire Extinguishers

Know when to fight the fire
When to not fight the fire
When to call 911 – ALWAYS!

P – Pull
A – Aim
S – Squeeze
S – Sweep

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Lesson 2 - Fire Prevention
Fire Prevention

92 Fires in WA LCF's in 2008

1. Cooking
2. Equipment/Electrical
3. Smoking

Objectives:
Recognize common fire safety deficiencies found in care facilities.

It is important to recognize deficiencies and report them to your supervisor or maintenance staff.

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Lesson 2 - Fire Prevention
Decorations

Items commonly displayed during holiday seasons may not be suitable for use in a care facility.

Prohibited decorations include:

- Candles
- Natural cut Christmas Trees
- Evergreen Boughs
- Paper tree ornaments

Never smoke in bed

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Lesson 2 - Fire Prevention
Resident Rooms

Rooms should be neat and orderly.
No accumulation of paper or laundry.
No extension cords.
All items 36" from heaters.
Only approved multi-plug outlets.
No hold open devices on doors
(unless connected to the fire alarm system).



Smoking is among the leading cause of fires and fire fatalities in Licensed Care Facilities nationwide.



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Lesson 2 - Fire Prevention
Flammable Liquids

Flammable liquids must be stored in metal cabinets away from all sources of heat.






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Lesson 2 - Fire Prevention
Oxygen and Liquid Oxygen

Oxygen needs to be stored in a proper storage area.




Transfilling of liquid oxygen containers requires special precautions.



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Lesson 2 - Fire Prevention
Combustible Materials



Keep combustible items 36" from heat sources.

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Lesson 2 - Fire Prevention
Electrical Wiring and Equipment



Do not use extension cords, or multiple plug devices in place of permanent wiring and outlets.

Electrical wiring and appliances are also among the leading cause of fires in Licensed Care Facilities.

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Lesson 2 - Fire Prevention
Kitchen Hoods



Make sure kitchen hoods are cleaned regularly to prevent the accumulation of grease.

A record shall be maintained of the time and date of each cleaning.

Watch What you Cook!
Cooking fires are the second leading cause of fires in licensed care facilities.

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Lesson 2 - Fire Prevention
Clothes Dryers



Ensure clothes dryers and vent piping are free of accumulations of lint.

Every person that uses the dryer should know how to empty the lint trap after each use.



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Lesson 2 - Fire Prevention
Fire Safety Inspection Deficiencies



- Fire/Smoke doors
- Fire system testing
- Fire drill records
- Extension cords
- Exit lighting
- Exit obstructions

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Lesson 2 - Fire Prevention
Review



What's Wrong with this picture?

???

PREVENT FIRES
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Lesson 2 - Fire Prevention
Review

What's Wrong
with this picture?



???

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Lesson 2 - Fire Prevention
Review

What's Wrong
with this picture?



???

Lesson 3 Emergency Management



Objectives:

- Understand Disaster Planning
- Understand Evacuation and Fire Drill Planning

What does your resident contract say about providing care during emergencies?

Lesson 3 - Emergency Management Disaster Planning



Twin City Foods
Stanwood, WA

Planning Process

1. Hazard Inventory
2. Written Plan
3. Annual Exercise and Update

During the Twin City Foods Fire of 1996 in Stanwood WA, a venting 18,000 gallon ammonia tank and a 2,000 gallon chlorine tank caused the an evacuation for a one-mile radius that included a 284 bed rest home.

Lesson 3 - Emergency Management Disaster Planning



1. Hazard Inventory

Geological	Terrorism
Earthquake	Bomb Threat
Tsunami	Explosion
Lahar	Biological Exposure
Weather	Hazardous Facilities
Windstorms	Dams
Heavy Rains	Nuclear power sites
Flooding	Storage areas
Snowstorm	Airports
Mudslides	Railways
Wildfires	Gas stations



Disaster planning must be consistent with the potential threats for a specific facility.

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**Lesson 3- Emergency Management
Disaster Planning**

1. Disaster Response Goals





Prioritized Goals

- Prevent loss of life.
- Prevent trauma.
- Maintain services.
- Prevent property loss.

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**Lesson 3- Emergency Management
Disaster Planning**

**2. Written Plan –
Managing a facility during a disaster**





Prioritized Goals

- Prevent loss of life.
- Prevent trauma.
- Maintain services.
- Prevent property loss.

Your services are important in the community. Residents and their families are dependant on you to continue providing services during disaster events.

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**Lesson 3 - Emergency Management
Disaster Planning**

3. Annual Updates





Plan an annual table top exercise of your disaster plan.

Lesson 3 - Emergency Management
Evacuation Planning



Administration shall:

- Develop Emergency Evacuation Plan
- Develop Fire Evacuation Plan

A simple floor plan showing the evacuation routes is to be posted in prominent locations.

Lesson 4
Emergency Preparedness



Objectives:

Take the proper actions in a fire drill scenario.

Understand Actions to take in a Fire Emergency.

All fires must be reported to DSHS within 24 hours

Lesson 4 - Emergency Preparedness
Fire Drills



Administration shall:

- Schedule and hold Fire Drill Practice
- Maintain a Record of Fire Drill Practice

Fire Protection Systems are there to provide more time for people to escape during a fire emergency.



Lesson 4 - Emergency Preparedness
Fire Drills



During a Fire Drill staff shall:

1. **Rescue** patients from the area of the fire.
2. **Alarm** initiation.
3. **Confine** the fire by closing the door.
4. **Evacuate** or relocate those in the fire area, and extinguish the fire.

Patients are not required to be moved during fire drills.

Notify visitors that "this is a drill."

Lesson 4 - Emergency Preparedness
Fire Drills



What we practice in a drill we are most likely to repeat in a live incident.

In the Kona Village fire which killed four, there was a deadly delay in the activation of the fire alarm system.



Lesson 4 - Emergency Preparedness
The Emergency Incident



Staff shall: Be Prepared

Be prepared to assume the role you have been assigned in the disaster plan of the facility.

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Lesson 4 - Emergency Preparedness
The Emergency Incident



When the Fire Alarm Sounds -

- Rescue
- Alarm
- Confine
- Evacuate and Extinguish



Once an alarm is activated during a fire, it can only be silenced after the fire department gives approval.



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Lesson 4 - Emergency Preparedness
The Emergency Incident



Evacuation Procedures -
If an evacuation is ordered, the head nurse or supervisor on duty will be responsible for their respective units.

Watch out for emergency vehicles



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Lesson 4 - Emergency Preparedness
The Emergency Incident



Evacuation Procedures -
During evacuation procedure, all doors must remain closed until you enter and they must be closed when you go out.

Close all doors





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**Saving Lives Through
Prevention and Preparedness**



THANK YOU



WSP

[Practice fire safety wherever you are!](#)
