

SYSTEMS REVIEW

Falls & Choking



FALLS



FACT:

1 in 3 adults age 65
or older will fall this
year.



FACT:



2 million people will be treated for injuries from falls in the E.R. this year.

FACT:



Most serious injuries are:

- ❖ Hip Fracture
- ❖ Traumatic Brian Injuries

FACT:



For individuals 65 or older falls are the leading cause of injury and death.

FACT:

Falls are the leading cause of unintended injury for children.

Children age 14 and under account for 1/3 of all fall reported visits to hospital ER's.



FACT:

Most common fracture noted from falls →

- Spine
- Hip
- Leg
- Ankle
- Pelvis
- Upper arm
- Forearm
- Hand



FACT:

The CDC is working with CMS to analyze data to better understand the magnitude of the problem.



FACT:



How are falls impacting Ohioans with Developmental Disabilities??

FACT:



13 falls in 2009 resulted in deaths.

FACT:



Known Injury MUIs falls for the last 3 years include:

<u>2009</u>	<u>2008</u>	<u>2007</u>
691	694	724

The number of falls/MUI have decreased but there were several serious falls in 2009.

What are the causes associated with falls for individuals served in Ohio???

FALL DATA
July 2009 – June 2010

715 Falls reported as MUIs

Tripped Environment	106	15%	Stairs	23	3%
Accidental Fall	77	11%	Wheelchair Transfer	20	3%
No Cause	41	6%	Falling at Night	18	3%
Seizures	41	6%	In a Hurry	18	3%
Medical Concerns	41	6%	Van/Bus (loading)	15	2%
Gait Concerns	40	6%	Fell Snow Ice	14	2%
Slippery/Wet Floor	34	5%	Became Excited	12	2%
Lost Balance	46	6%			

FALL DATA
July 2009 – June 2010

Specific Causes for Environmental Falls
In order of occurrence

Wet Surface	34	Throw Rugs	5
Snow/Ice	14	Table Legs	4
Uneven Surfaces	8	Laundry	4
Chair Legs	8	Skids W/S	4
Shoe Laces	7	Long Sock	4
Curbs	5	Flip Flops	3
Carpet	5	Wheel Chairs	3

CHOKING



FACT:

Choking Deaths account for approximately 4600 deaths each year in the United States.



FACT:

In the US (1) child dies from choking every 5 days. Hot dogs are responsible for nearly (20%) of the deaths.



FACT:



60% of the deaths are food related

40% are related to objects (coins, buttons, marbles, etc...)

FACT:

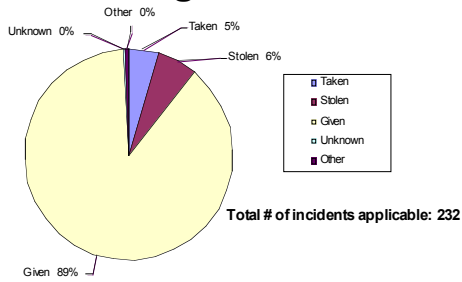


A study in 2003 looked at choking deaths from 1999 – 2002. The Study revealed 14,921 choking deaths of which 11,286 or (76%) were age 65 – 85.

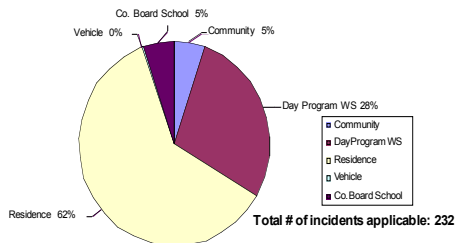
CHOKING
MUI DATA



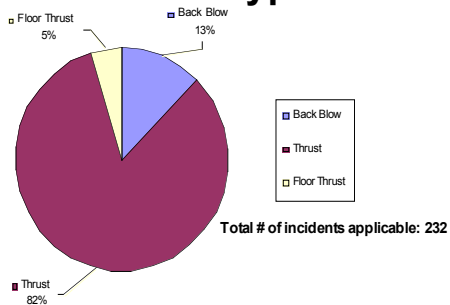
Preceding Action

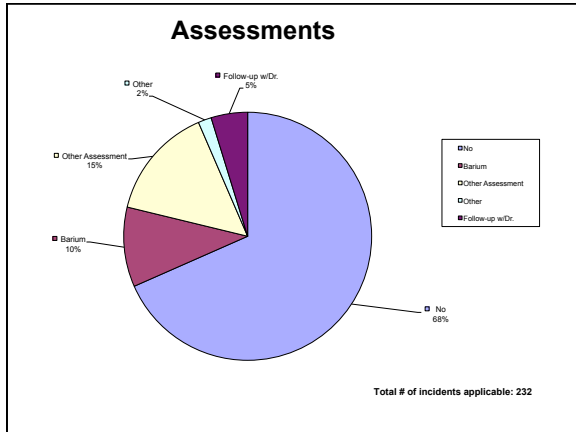


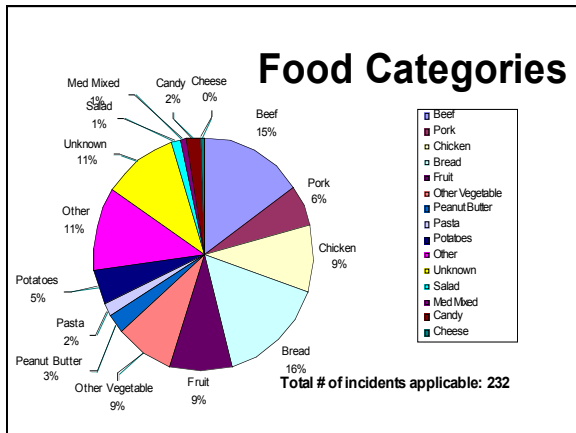
Location- where did the incident occur?

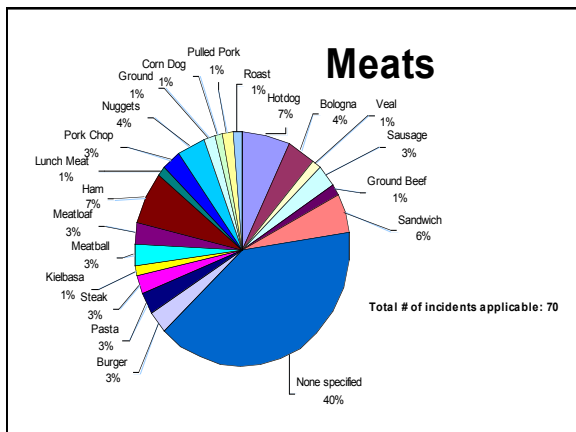


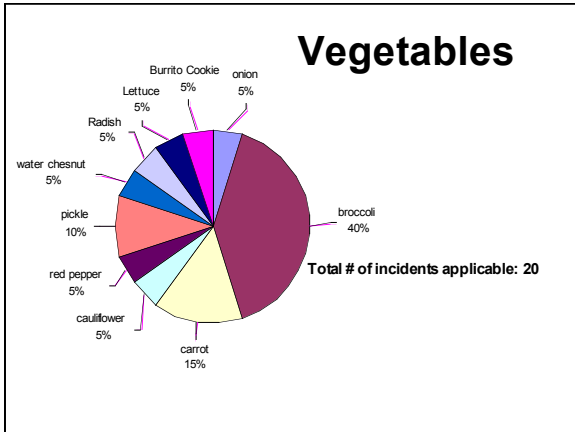
Intervention Types

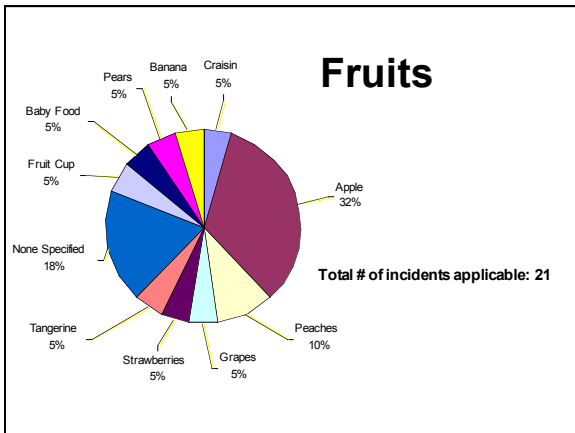


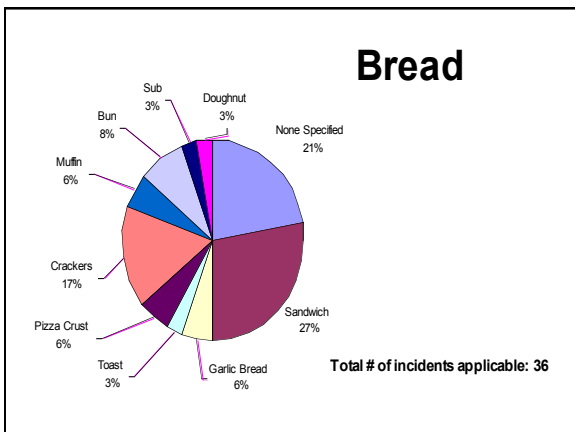


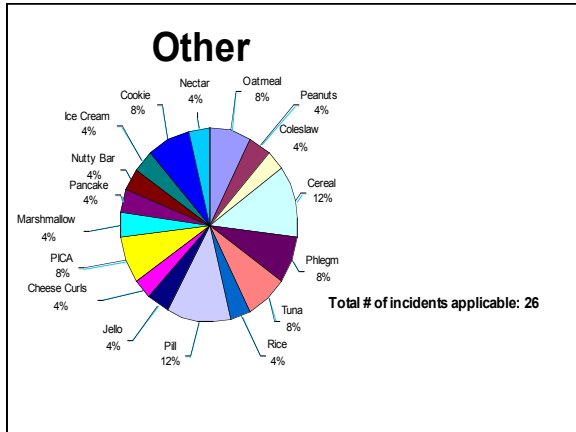


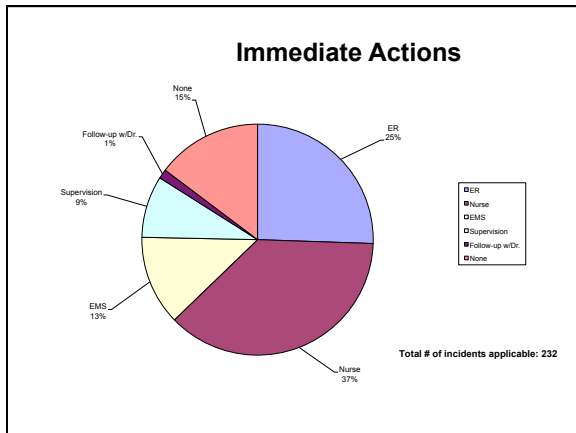


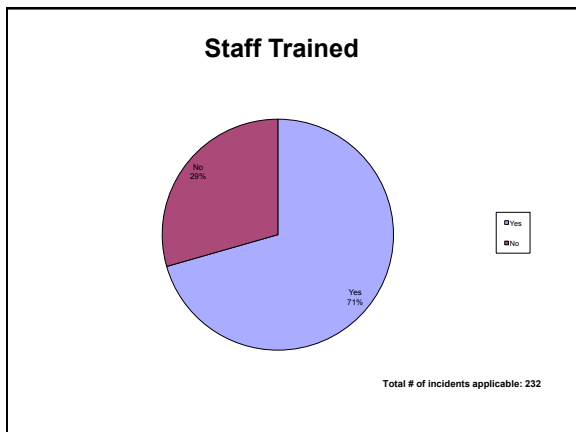


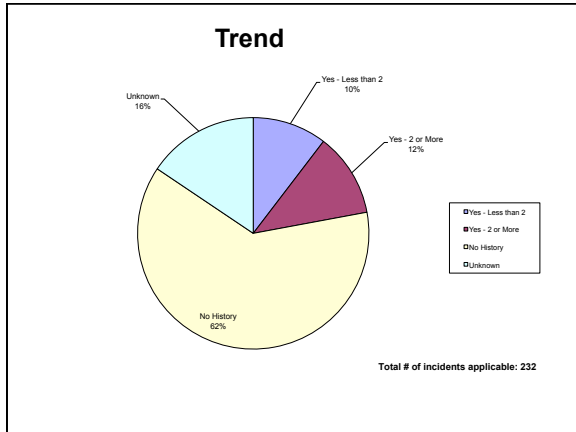


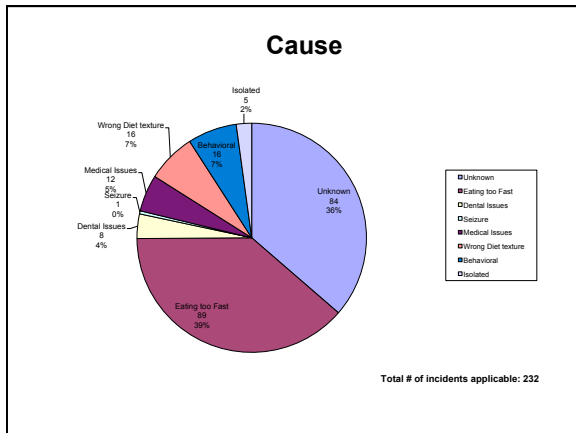














12 Diet Textures were identified during the Survey of Ohio Counties.

Diet Textures

REGULAR	GROUND
Bite Sized	Thickened Puree
Chopped	Puree
Course Chopped	Dysphagia Level 1
Mechanical Soft	Dysphagia Level 2
Soft/Edentulous	Dysphagia Level 3

Who recommends Diet Texture changes?

- 1) Physician
- 2) Nurses
- 3) Speech
- 4) OT

Training



72% of counties had a specific training curriculum on diet textures.

❖ FACE to FACE 59%

❖ VIDEO 76%

❖ HANDOUTS 76%



Training for direct support staff



❖ Diet Texture 74%

❖ Mealtime Supervision/Safety 83%




You Tube Video

<http://www.youtube.com/watch?v=lvIAKZenBos>



Scenarios



FALLS / FOLLOW UP

- 1) Assessments/ISP Team Process (Supervision/ Support)
- 2) Training (ISP developed)/(Passed on to providers)
- 3) Reporting: UI's...typically occur before an MUI (Known Injury) Incident Reviews/Inclusion to ISP
- 4) Specific Investigations
- 5) Medical Assessments
- 6) Causes/Contributing Factors
- 7) Prevention Plans SSA in conjunction with the IA/ MUI control to implement effective lasting interventions.
- 8) Extrinsic/Intrinsic Factors
- 9) Ongoing Quality Improvement Planning (ISP)

CHOKING / FOLLOW UP



- 1) Assessment ISP Process (Supervision/Support)
- 2) Identify (Risk Factors)
 - a) Food Items
 - b) Supervision
 - c) Challenging Behaviors (Pace/Stealing etc..)
- 3) Training, Training, Training Diet Textures!!!
- 4) Incident Review/Inclusion to ISP
- 5) Choking Assessments
 - a) Barium Swallow etc..
- 6) Medical Assessments following a choking episode
- 7) Supervision following a Choking Incident
- 8) Ongoing Quality Improvement Planning (ISP)

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