

# Major Unusual Incident Analysis: Implications for Health Care



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# Take Home

- Heart disease: #1 cause of death
- Pneumonia: #2 cause of death, #1 reason for hospitalization
- Seizures: significant cause of death in comparison to general population
- Falls: #1 cause of injury
- Abuse and neglect really happen
- Signs and symptoms of illness/disease

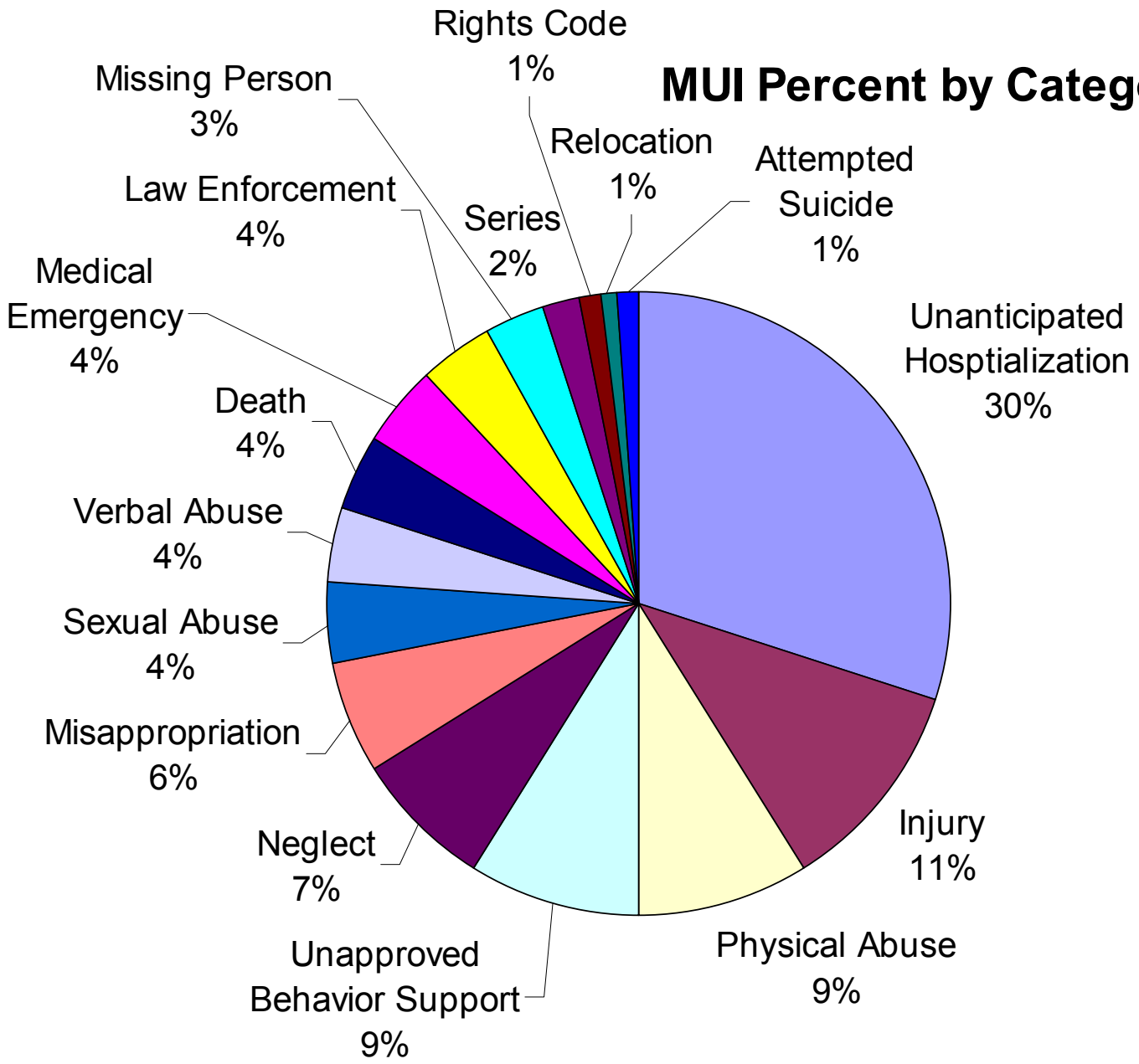
# MUI System

- Provider
  - Immediate action (health and safety)
  - Prevention and administrative action
- County Board of MRDD
  - Ensure protection and notification
  - Administrative investigation
  - Notify ODMRDD
  - Coordination with Law Enforcement
- ODMRDD/MUI Unit
  - Review, investigation, ensure protection and administrative action

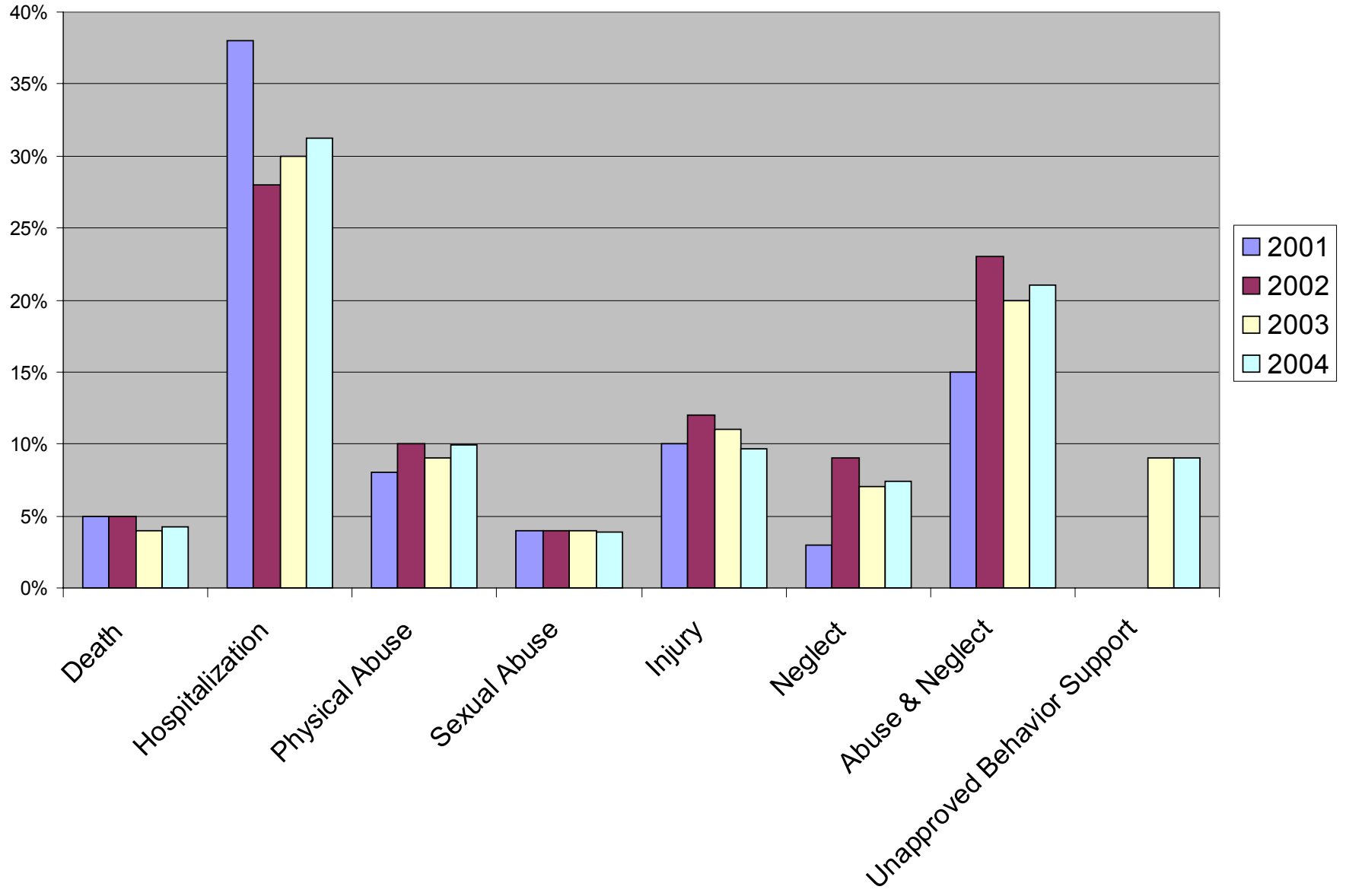
# Major Unusual Incident

- 16 types
- Total reports
  - 14,451 (2001); 16,321 (2002); 17,354 (2003); 19,796 (projected 2004)
- Deaths 4-5%
- Hospitalizations 28-31%
- Abuse and Neglect 20-25%
- Injuries 10-12%

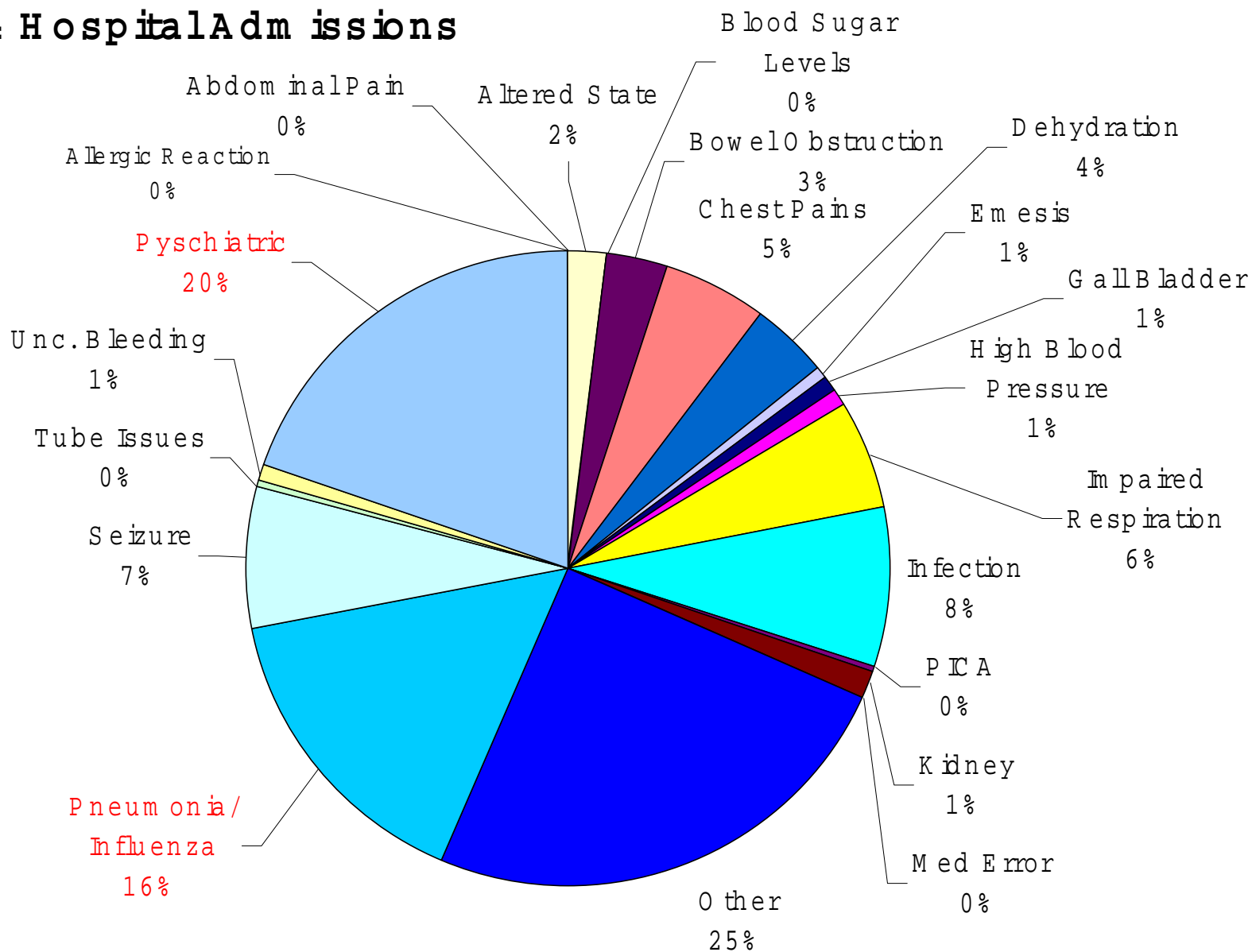
# MUI Percent by Category 2003



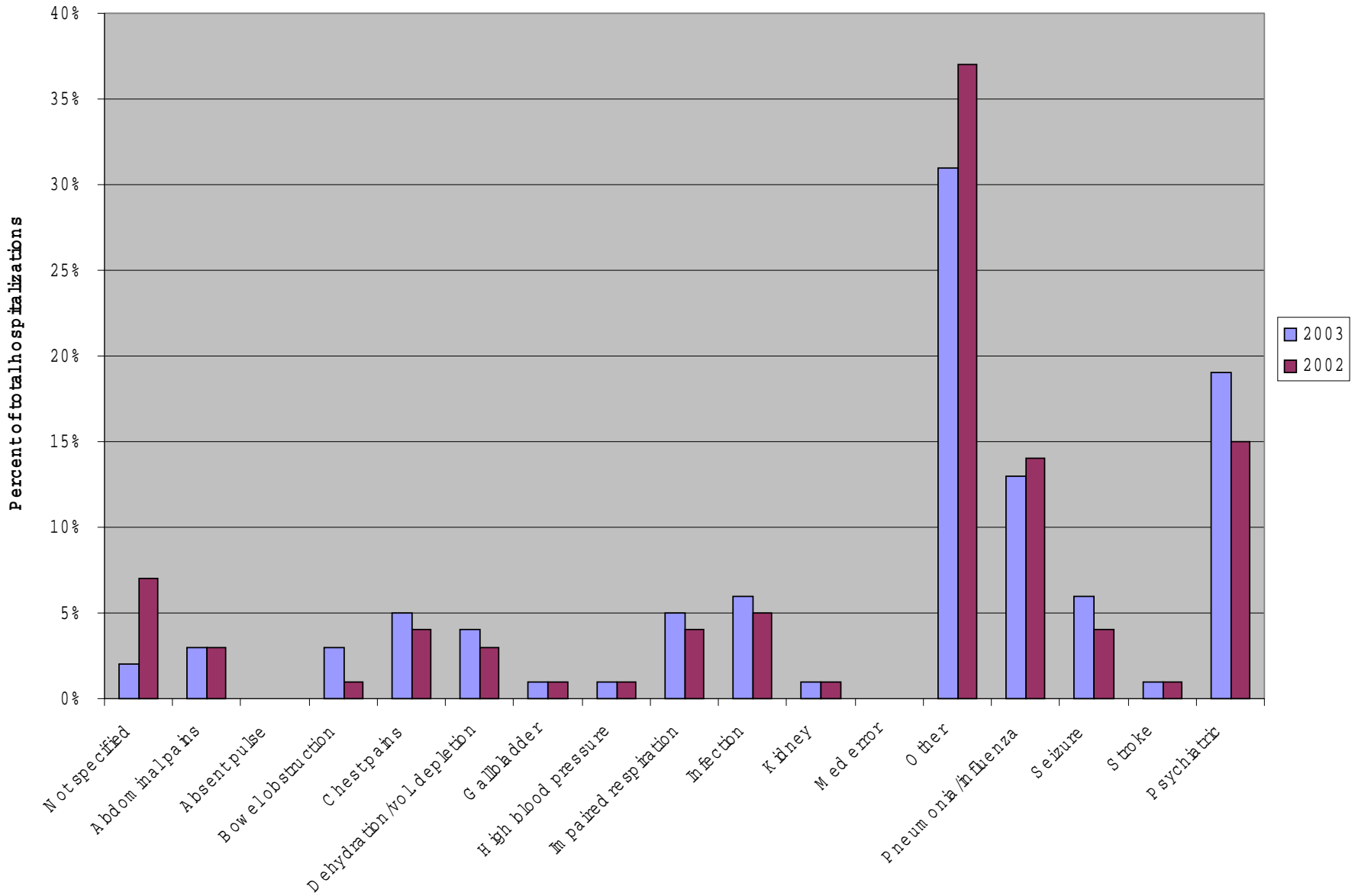
# Health Care Related MUIs



# 2004 Hospital Admissions



# Hospitalizations

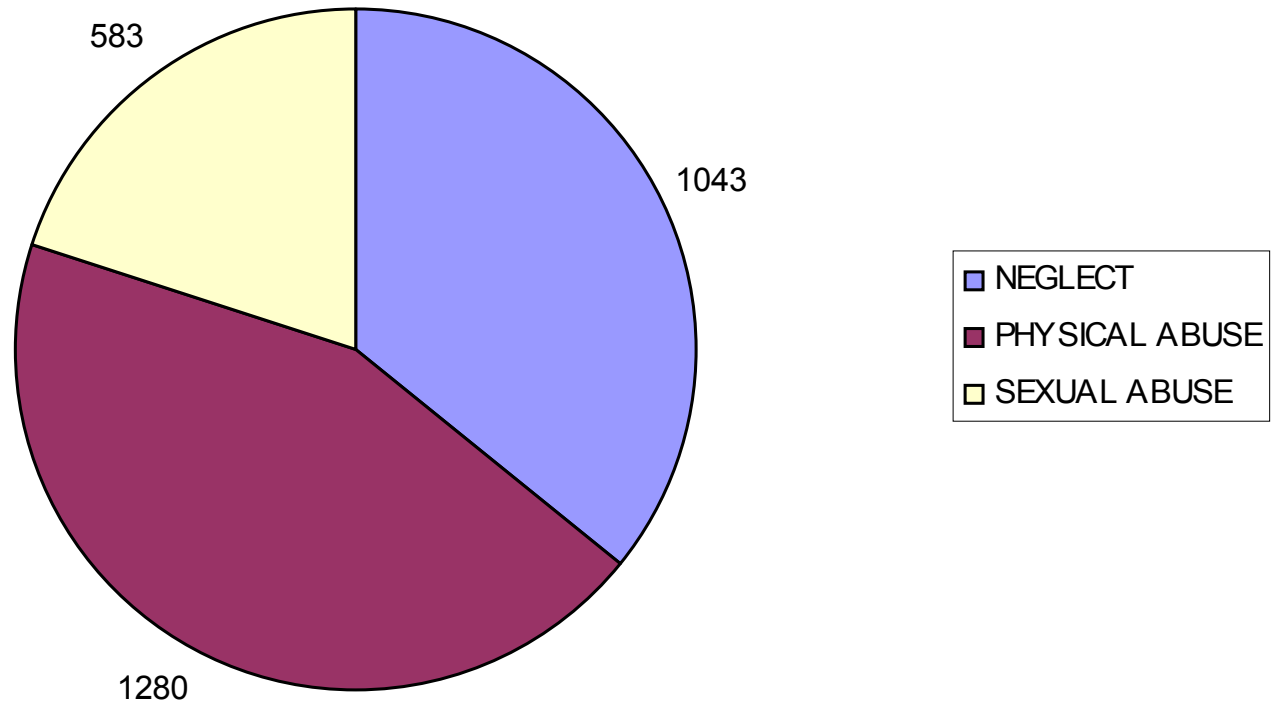


## Rates by Type

Calendar Years: 2001 - 2002 - 2003

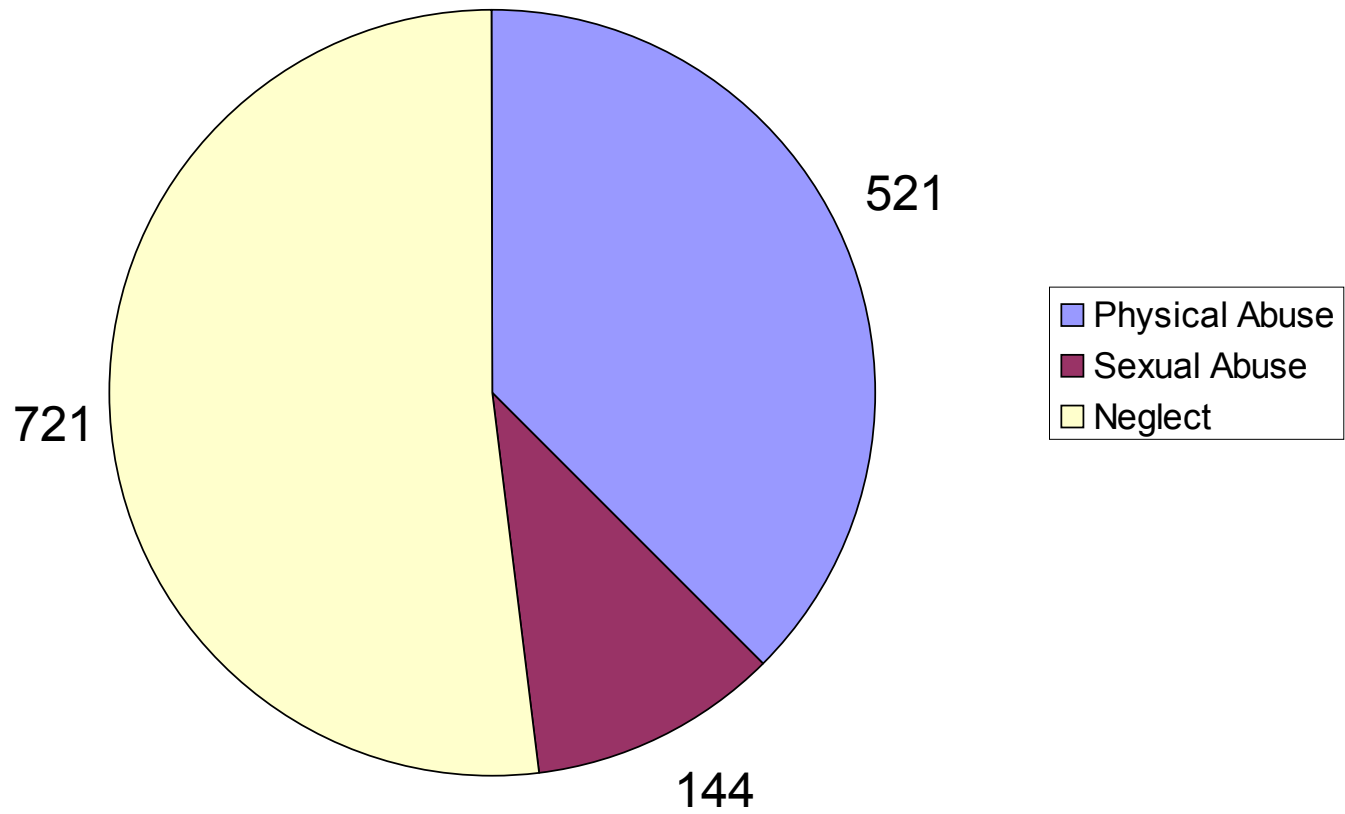
Category	2001 - Rate per 1000 ADM: 59470		2002 - Rate per 1000 ADM: 64267		2003 - Rate per 1000 ADM: 68736	
Deaths	715	12	741	11.5	722	10.5
Substantiated Physical Abuse	285	4.8	517	8	521	7.5
Substantiated Sexual Abuse	79	1.3	165	2.6	144	1.7
Substantiated Verbal Abuse	No data available	No data available	No data available	No data available	259	3.8
Substantiated Neglect	184	3	792	12.0	721	10.5
Substantiated Misappropriation	250	4.2	488	7.5	451	7.7
Total MUIs	14,342	241	16345	254	17,359	253
<p><i>Formula for Determining Rates: Using the substantiated rate, multiply by the pending cases to obtain the projected number that will be substantiated. Add this to the current number substantiated and then divide this total by the ADM and then multiply by1000.</i></p>						

## Alleged Abuse and Neglect July 1, 2001 - June 30, 2002

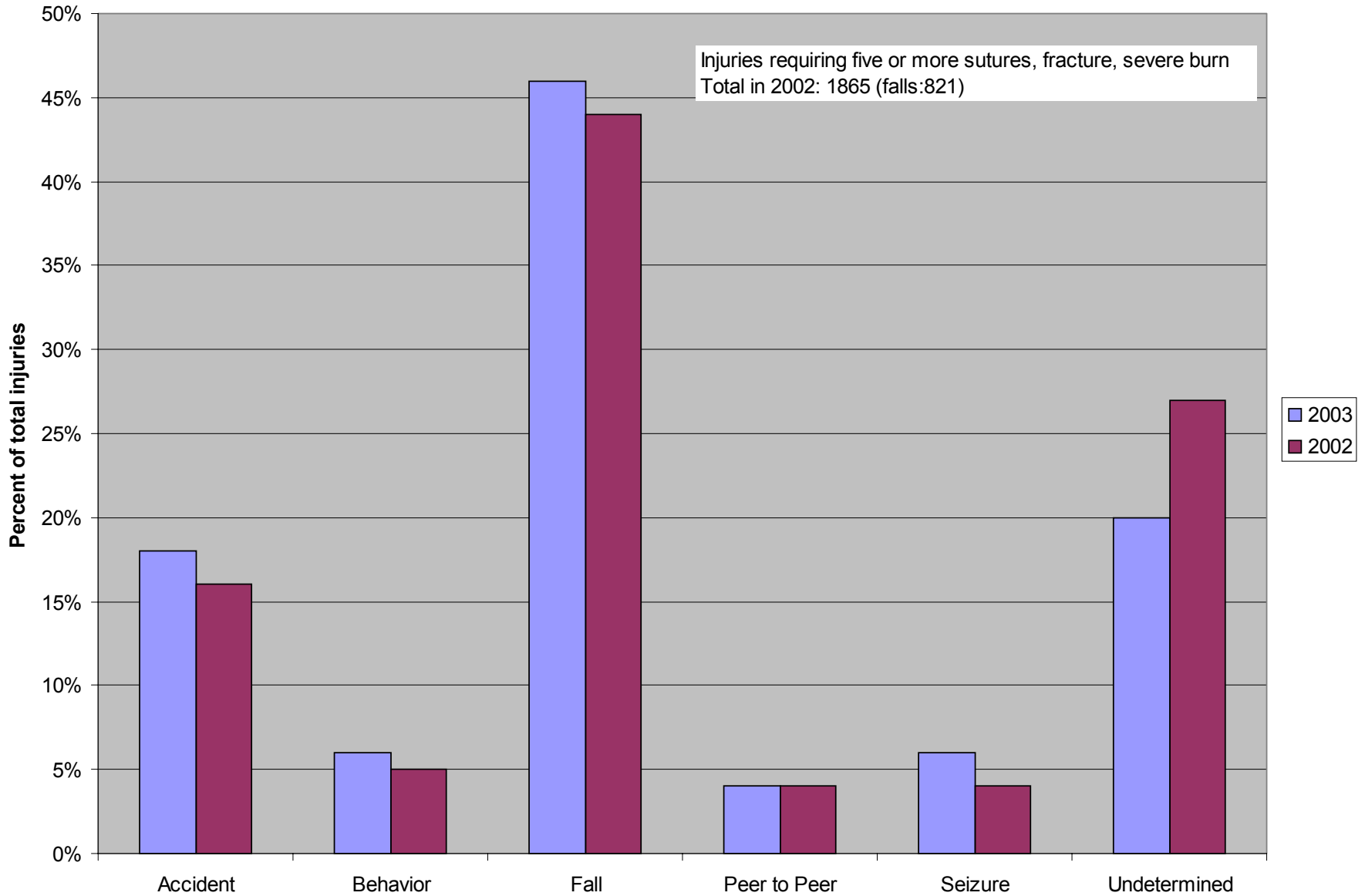


Compiled 10/18/02

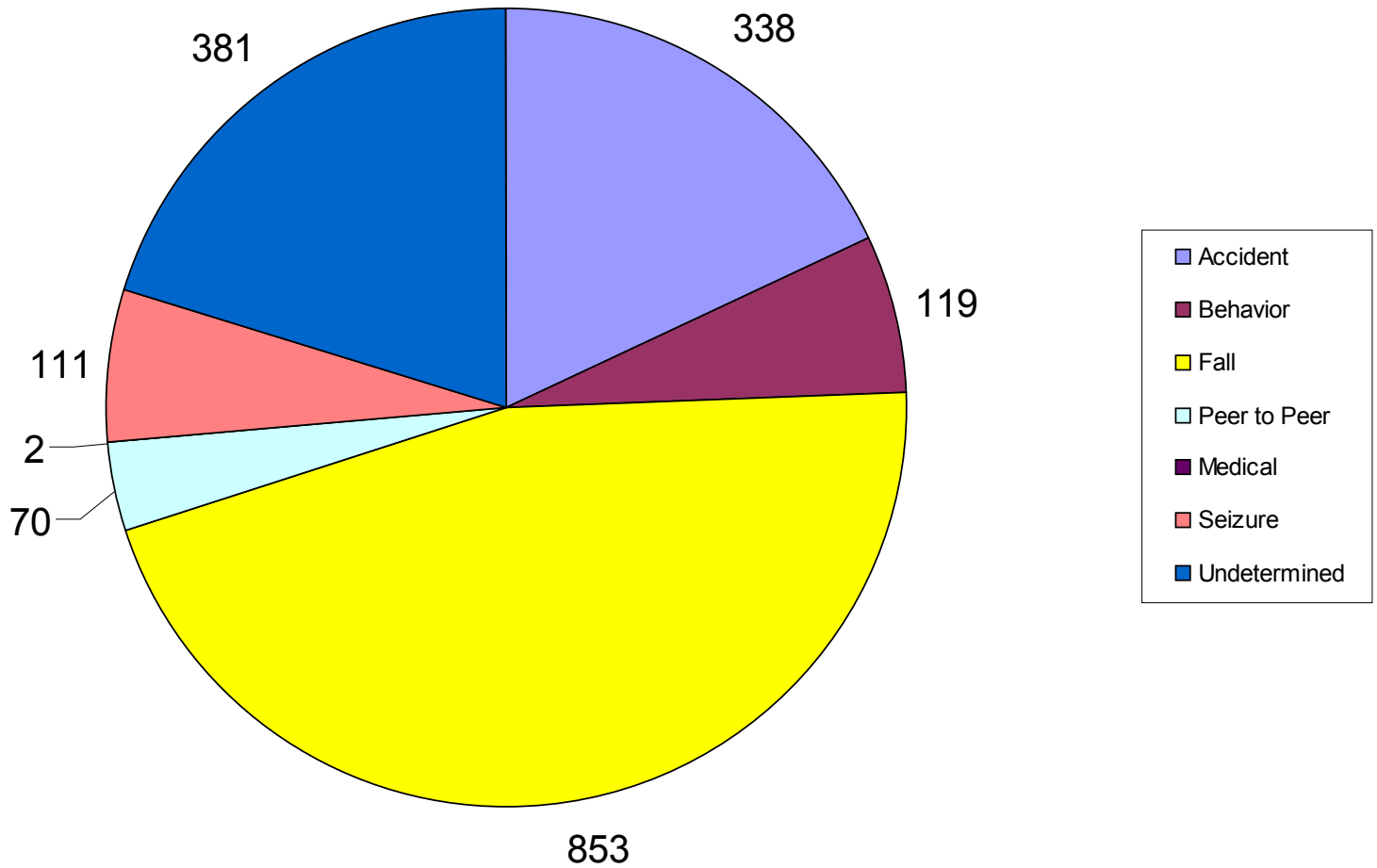
# Substantiated Physical Abuse, Sexual Abuse and Neglect 2003



# Injuries



# Causes of Injuries 2003



# Mortality Review

- In conjunction with MUI unit and Co. Boards of MRDD
- Timely review of deaths in all residential settings
- Information utilized to improve health and safety and health care
- Physician Review
- Mortality Review Committee
  - APSI, ARC Ohio, OACBMRDD, OLRS, OPRA, ODJFS, ODMRDD

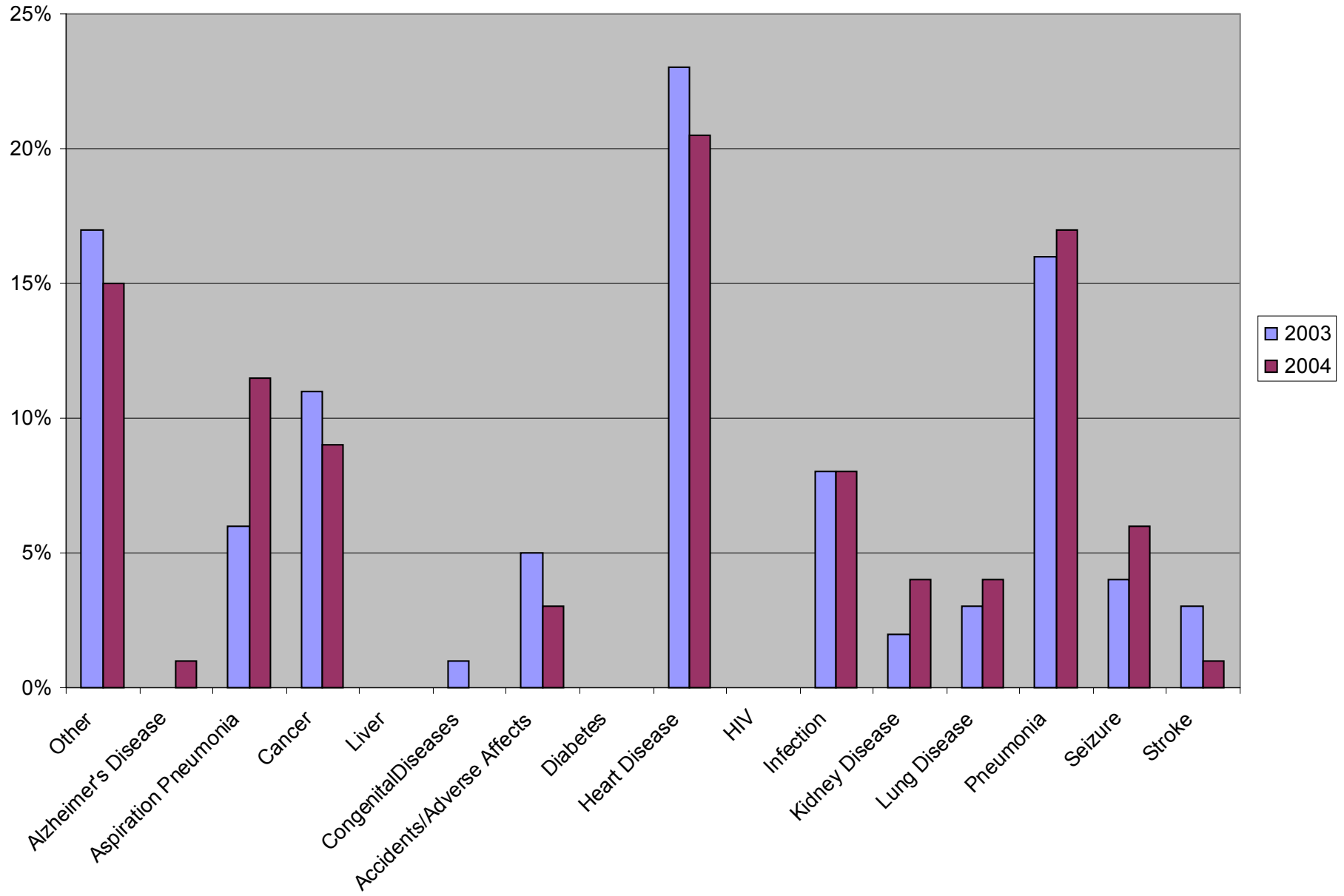
# Information for Mortality Review

- Type of residence
- Death Certificate
- Autopsy/coroner ruling
- Law enforcement
- Location of death
- Expected or unexpected
- Medical/psychiatric diagnosis
- Medications
- Pertinent PMH
- Narrative: 72 hours
- Primary physician
- DNR order
- +/- ISP

# Top 10 Causes of Death (2002)

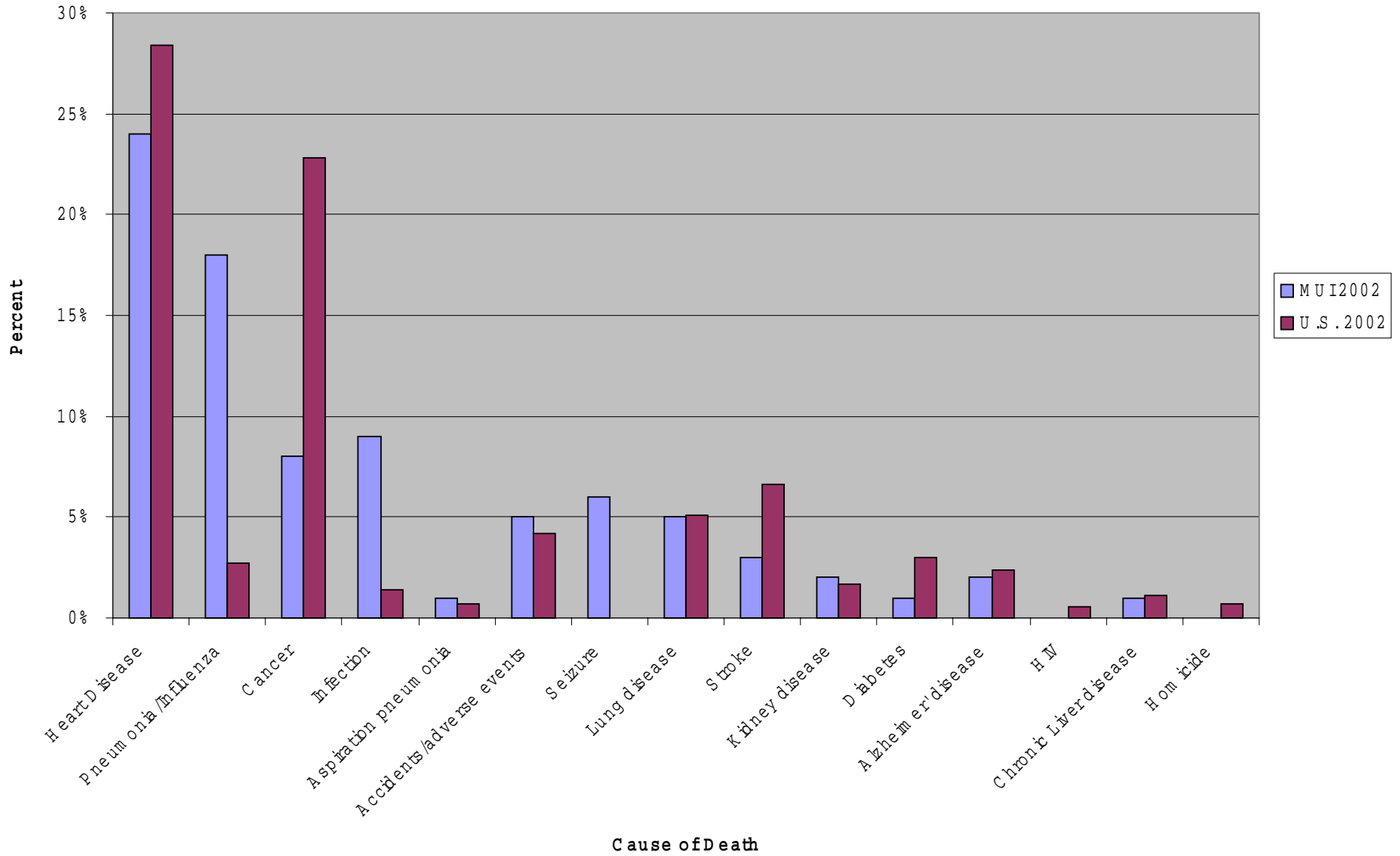
- OH MUI
  - heart disease
  - pneumonia/flu
  - infection
  - cancer
  - seizure
  - accidents & chronic lung disease
  - stroke
  - Alzheimer's disease & kidney disease
- U.S.
  - heart disease
  - cancer
  - stroke
  - chronic lower resp. dis.
  - accidents
  - diabetes
  - pneumonia/flu
  - Alzheimer's disease
  - kidney disease
  - suicide

# Cause of Death 2003-2004

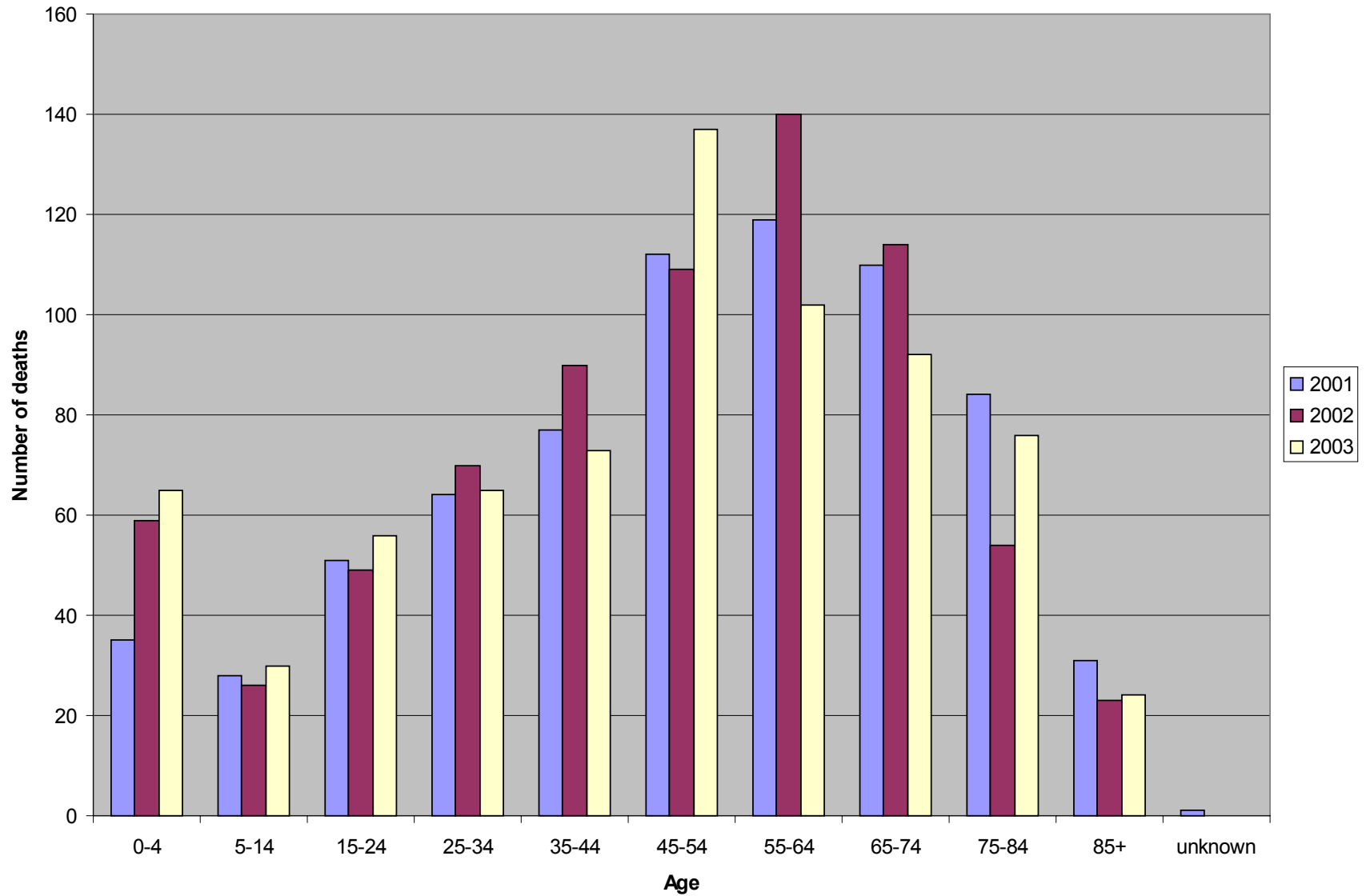


# Percent Cause of Death

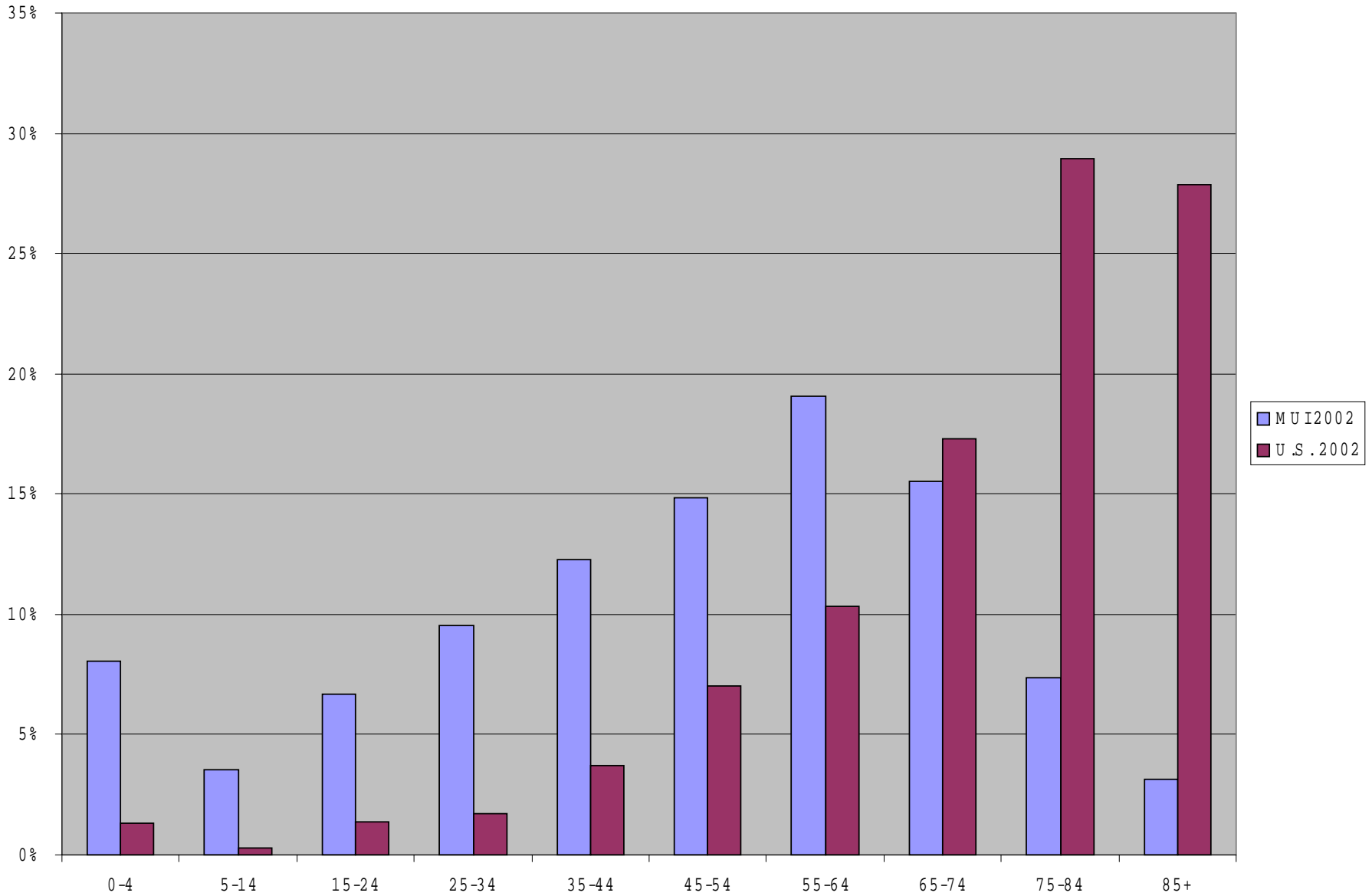
## M U I vs . U . S . 2002



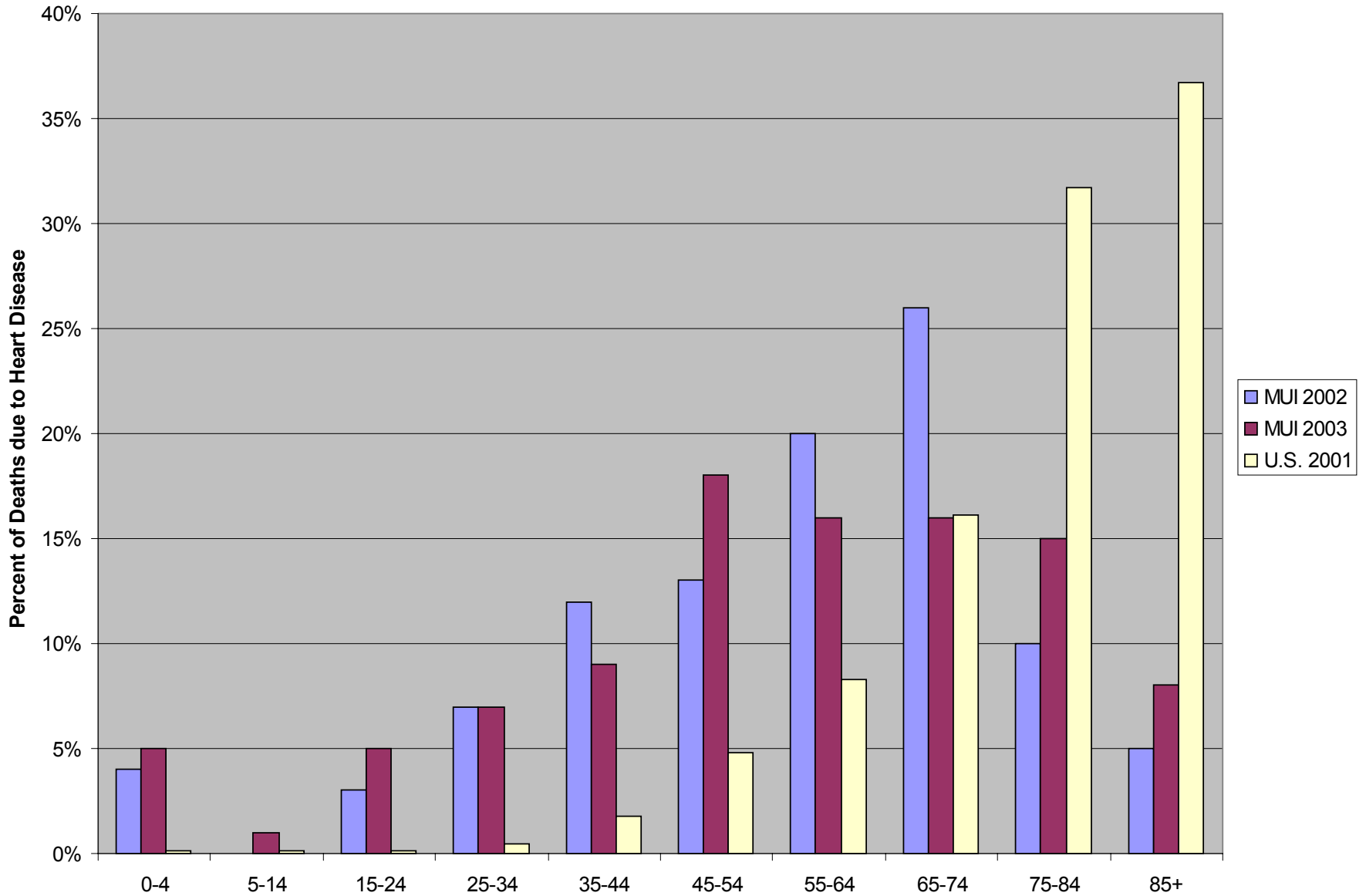
# Mortality by Age Group



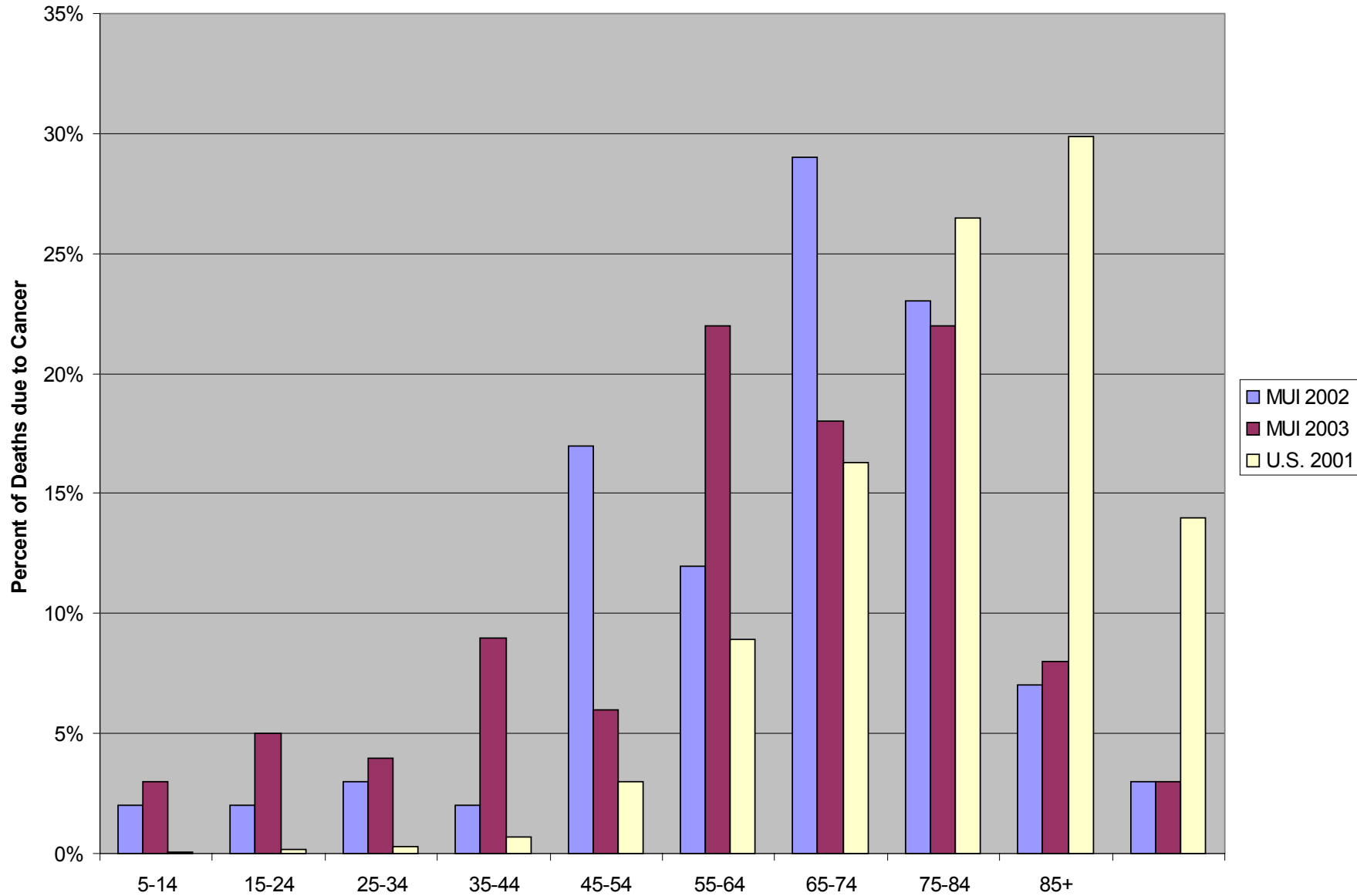
# Percent of Deaths by Age Group



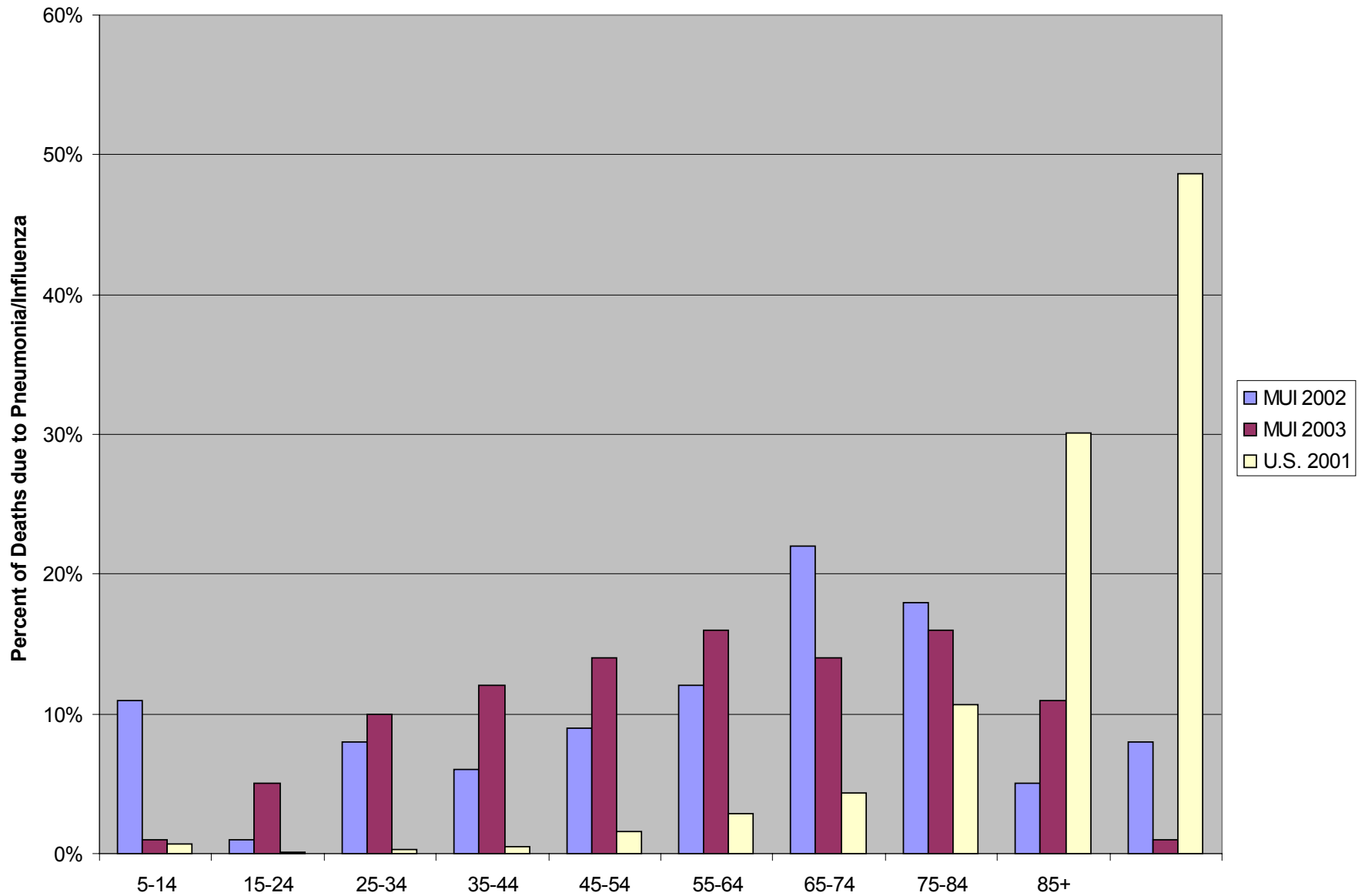
# Heart Disease



# Cancer



# Pneumonia/Influenza



# Mortality Review Outcome

- Notification of
  - Department of Health
  - Licensure Board
  - Coroner
  - Law enforcement
- Notification/education of health care provider
- Development of health and safety alert

# Notification of Coroner

- ORC 313.12
  - “...when any mentally retarded person or developmentally disabled person dies regardless of the circumstances,....:
- Ohio State Coroners Association
  - <http://www.osca.net>

# What have we learned?

- Life span
- Differing frequency of cancer, seizures, pneumonia
- Similar frequency accidents
- Hospitalizations: pneumonia, psychiatric, seizures, bowel, dehydration
- Injuries: falls
- Abuse and neglect: IA training
- Health care follow up
- Recognition of signs and symptoms of illness
- Unapproved behavior support; dual diagnosis

# Health and Safety Alerts

- Hot water scalds
- Pneumonia, Dehydration
- Bed safety
- Airway obstruction during therapeutic prone positioning
- Choking
- Accessing help, initiating CPR
- DNR Orders
- Heart Disease

# Health and Safety Alerts

- Feeding Tubes
- Psychotropic medication
- Summer Safety
- Seizure Triggers
- Diabetes Risk and Complications
- Head Injury
- Swallowing Problems
- Falls
- Constipation and bowel obstruction
- Prevention of physical abuse
- Wheelchairs not secured
- Travel training
- ATMs
- Monitoring people in buses, vans, cars

# Health and Safety Alerts

- [http://odmrdd.state.oh.us/ProvidersDoc/2003\\_Archives/Information\\_Notices2003.htm](http://odmrdd.state.oh.us/ProvidersDoc/2003_Archives/Information_Notices2003.htm)
- [http://odmrdd.state.oh.us/ProvidersDoc/2003\\_Archives/03\\_02\\_24\\_falls.pdf](http://odmrdd.state.oh.us/ProvidersDoc/2003_Archives/03_02_24_falls.pdf)

# Mandated Reporter

- ORC 5123.61
  - Physician, coroner, nurse, podiatrist, chiropractor, hospital administrator or hospital employee, psychologist, social worker, employee of home health agency, employee of adult care facility, employee of community mental health agency, practitioner of limited branch of medicine
- Report by telephone or in person to
  - law enforcement, county board of mr/dd, ODMRDD

“...having reason to believe that a person with mental retardation or a developmental disability has suffered or faces a substantial risk of suffering any wound, injury, disability, or condition of such nature as to reasonably indicate abuse or neglect.”

# Health Management Tools

- Current Personal Summary
- Health Professional Appointment Log
- Medication Log
- Professional Service and Follow Up
- Every Health Person
  - Preventive health care guidelines (immunizations, screening counseling)

<http://odmrdd.state.oh.us/CountyBoardsDoc/Forms.htm>

# Medication Administration

- MR/DD Personnel administration
  - ORC 5123.41 - 5123.47
  - OAC 5123:2-6-01 – 5123:2-6-07
- Curriculum includes signs and symptoms of illness
- QA and oversight

# Dually Diagnosed

- MI/MR Advisory Committee
- Best Practices Monograph
- CCOE
- Behavior Support Rule
  - OAC 5123:2-1-02

# Where do we go?

- Mortality Review
- Preventive health and wellness care
- Personal risk assessment and intervention
- ISP

# THE END

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