Public Safety and Emergency Management
University of Pittsburgh

Ted P. Fritz
Vice Chancellor
Public Safety and Emergency Management
Sample Professional Organizations

- ACC Emergency Managers group
- American Society of Industrial Security
- International Association of Emergency Managers
- International Association of College Law Enforcement Administrators
- National Association of College and University Attorneys
- National Organization of Black Law Enforcement Executives
- National Tactical Officers Association
- WD PA Joint Terrorism Task Force
- Campus Safety Health and Environmental Management Association
Emergency Management at Pitt

• The goal is to help prevent, prepare for, mitigate, respond to, and recover from all emergencies at Pitt
• Requires collaboration with existing Public Safety & Emergency Management employees, University community, local community
• Conduct vulnerability assessments to identify risks and assess programs in place
Emergency Website

• The Public Safety & Emergency Management website (https://www.emergency.pitt.edu) and Pitt site are tied together to provide emergency updates simultaneously.
Emergency Management Guidelines

• The guidelines can be found on SharePoint
  – my.pitt.edu > My Resources > Emergency Management Guidelines > Emergency Management Guidelines SharePoint Site
  – Biannual substantive review
  – Guidelines supplemented by departments should be reviewed by the Director of Emergency Management
Emergency Operations Center (EOC)

• 2019 Pitt created a formal EOC space where Emergency Command Committee convenes in emergency situations
• Located in the University Public Safety Building, 4th floor
• EOC has emergency power, multiple communications channels and serves as a training center for Public Safety
Tabletop Exercises (TTX)

- Monthly exercises that simulate an emergency or crisis.
- Goal is to ensure effective plans, communication, response, and mitigation.
  - Scenarios exercised:
    - Heinz Field (athletic events)
    - Housing (move-in, bomb threat)
    - HAZMAT release
    - Petersen Events Center (managing student evacuees)
    - Diversity and Inclusion
    - Falk School (lost child)
WebEOC

- WebEOC is a common-operating software to facilitate incident management
- Provides a real-time platform where emergency management stakeholders can communicate and make critical decisions
- Business and Operations units have accounts established, and all ECC reps will be added
UPitt Ready (Kuali)

- Kuali Ready is a software platform for business continuity
- Our UPitt Ready system will enable units at the university to create unit-specific continuity plans
- The department has hired a full-time business continuity administrator to manage the day-to-day operations
- We are in process of actively revitalizing the program
Rave Guardian is the campus safety mobile application

**App Features:**
- Guardians – Virtual Walking Escort
- Safety Timer
- Call Pitt/Local Police
- Send Tips
- Emergency Notification Service (ENS) allows users to opt-in to certain lists like UPPD Crime Alerts

University of Pittsburgh
Local / State Relations

• Pitt is a member of PEMA’s Region 13 Task Force
• Pitt has a seat at Allegheny County EOC
• Pitt makes annual submissions of building emergency plans to the City of Pittsburgh Emergency Management
• Pitt is a member of Western Pennsylvania Public Safety Group sponsored by DHS (meets quarterly)
National Intercollegiate Mutual Aid Agreement (NIMAA)

- Agreement allows Pitt to share equipment, personnel, and resources in times of need.
- As a member, Pitt might be eligible for FEMA assistance in crisis situations.
- Pitt is 1 of 8 ACC members, and was the 3rd signatory to NIMAA of over 90 schools.

The map shown above comes from NIMAA's website: Map of Current NIMAA Signatory Institutions.
University of Pittsburgh Police Department Overview

- **Staff**: 195 total personnel (Oakland and Regionals)
- **Jurisdiction**: Within 500 yards of any University-owned or leased facility
- **Resources**
  - [http://www.police.pitt.edu/](http://www.police.pitt.edu/)
  - [http://www.facebook.com/pittpolice](http://www.facebook.com/pittpolice)
  - [http://www.twitter.com/pittpolice](http://www.twitter.com/pittpolice)
  - [http://www.safety.pitt.edu/](http://www.safety.pitt.edu/)
About

• Third-largest police department in Allegheny County, with 195 total personnel
• 89 commissioned police officers
• 42 on the regional campuses
• 10 communications room personnel
• 49 security guards
• 5 administrative professionals
About

• Three shifts, 24/7
• Communications Center
  • Receives an average of 51,000 calls in Oakland for service annually
  • Pitt’s emergency number is 4-2121
• Patrol section
  • 15 patrol cars, three unmarked cars, six bicycles, and two K-9 officers
• Investigative Section
  • Five detectives, two plain clothes
• Community Programs Unit
  • Three CPU Officers and three Neighborhood Resource Officers
About

- Officers certified by Pennsylvania’s 919-hour Municipal Police Education and Training Commission
- New officers undergo a 14-week, Pitt-specific field training program
- Officers trained in sexual assault for initial responders and domestic violence lethality assessment program
- UPPD conducts active killer response training for faculty and staff (more than 4,000 have been trained)
- UPPD has several required cultural competency courses
- Specialized Emergency Response Team (SERT)
  - Trained to assist in situations that are beyond routine patrol and response
Pitt Crime Rates

\( (\text{crimes ÷ FTE} \times 100,000) \)
Part I: Criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny – theft (exc. motor vehicles), motor vehicle theft, and arson

Part II: Non-aggravated assault, forgery and counterfeiting, fraud, embezzlement, stolen property, vandalism, weapons (carrying/possession), prostitution and commercialized vice, sex offenses (exc. rape), drug abuse and violations, drug abuse violations, gambling, offenses against family/children, DUI, liquor laws, drunkenness, disorderly conduct, and vagrancy

*Part I: Criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny – theft (exc. motor vehicles), motor vehicle theft, and arson

*Part II: Non-aggravated assault, forgery and counterfeiting, fraud, embezzlement, stolen property, vandalism, weapons (carrying/possession), prostitution and commercialized vice, sex offenses (exc. rape), drug abuse and violations, drug abuse violations, gambling, offenses against family/children, DUI, liquor laws, drunkenness, disorderly conduct, and vagrancy

Crime Rate Index (Crimes ÷ FTE x 100,000)
Overview

• Staff: 26
• Coverage: All campuses/locations
• Resources
  • www.ehs.pitt.edu
  • Pitt Safety Manual
  • Pitt Emergency Management Guidelines
  • Twitter@PittEHS
Department Components

- Occupational Safety
- Occupational Health
- Environmental Protection
- Support of Emergency Management
- Safety Training
- Research Safety
- Fire Safety
- Construction Safety
Occupational Safety

• Life Safety Programs
  − AED program management (135 on Oakland campus)
  − Emergency preparedness exercises

• Fire Safety Programs
  − Fire events (12 fires/year)
  − Testing of detection, signaling and suppression
Fire Protection System Testing for Student Housing and Academic Buildings
Occupational Safety

• Safety and Health in the Workplace
  – Workplace injury assessment
  – Indoor air quality (AVG: 50 surveys/year)
  – Asbestos monitoring (AVG: 130 projects/year)
  – Laser safety (325 high power lasers)
  – Ergonomics
Employee Injuries

- **Employee Injuries OSHA Recordable Rates**

- **PITT Injury Rate**

- **US Average for Universities**

- **2004**: 2.6
- **2005**: 2.4
- **2006**: 2.2
- **2007**: 2.2
- **2008**: 2.1
- **2009**: 1.8
- **2010**: 2.3
- **2011**: 2.0
- **2012**: 1.9
- **2013**: 1.9
- **2014**: 1.7
- **2015**: 1.7
- **2016**: 1.7
- **2017**: 1.7
- **2018**: 1.7
- **2019**: 1.7
- **2020**: 1.7
- **2021**: 1.2

The chart shows a decreasing trend in both the University of Pittsburgh's (PITT) and the U.S. average (US Average for Universities) injury rates from 2004 to 2021.
Occupational Health

- EH&S administers an agreement with UPMC Employee Health Services
  - Vaccinations such as hepatitis B, measles, rabies, vaccinia, and anthrax
  - Animal Exposure Surveillance Program
  - Tuberculosis Protection Program
  - Evaluation and treatment for exposures of blood borne pathogens and infectious agents
Chemical Safety Programs

- Pitt Chemical Hygiene Plan
- Department of Homeland Security Chemicals of Interest
- HazMat spill response
- Hazardous waste
- Annual report to the Chancellor from the Chemical Hygiene Committee
Chemical Waste Disposal Cost per Pound

Price per Pound


Fiscal Year

$1.43 $1.04 $1.00 $0.96 $1.08 $1.14 $1.22 $1.38 $1.07 $1.20 $1.33 $1.25 $1.41 $1.34 $1.56 $1.24

Environmental Health and Safety
Biological Safety Programs

- Laboratory Safety Surveys
- IACUC/Research Animal Support
- Recombinant DNA Committee
- Biosafety Level -3 Labs (5)
- Biological Safety Committee, chair Dr. Lee Harrison
  - Subcommittee of the University Safety Committee
- Select Agent Program
  - BST3 building
  - 160 approved personnel
Laboratory Surveys

Safety Surveys Conducted by Fiscal Year:

- 2005: 680
- 2006: 1,654
- 2007: 2,016
- 2008: 2,046
- 2009: 2,190
- 2010: 2,334
- 2011: 2,454
- 2012: 2,224
- 2013: 2,309
- 2014: 2,138
- 2015: 2,189
- 2016: 2,132
- 2017: 1,794
- 2018: 1,724
- 2019: 1,865
- 2020: 109
- 2021: 1,036

University of Pittsburgh
Environmental Health and Safety
Animal Research Protocol Review

Documents Reviewed or Generated

Fiscal Year


2005: 1,442
2006: 1,540
2007: 1,747
2008: 1,824
2009: 1,897
2010: 2,283
2011: 3,238
2012: 3,870
2013: 4,117
2014: 4,088
2015: 3,693
2016: 4,298
2017: 5,720
2018: 6,048
2019: 3,874
2020: 3,279
2021: 3,437
Construction Safety Program Review

Goal: To Provide the Safest Campus

- Protect from harm – strong focus on traveling public
- Eliminate any unmitigated safety hazards
- Embody a strong, active safety culture
“Safety also is powerful because it engages everyone in the organization. You can’t outsource it. It has to belong to and be driven by everyone: the leaders, the staff, our collaborators, even our visitors. As a result, a safe organization tends to be a well-run organization.”
The Hazard Pyramid

- **30,000 Hazards**
  - Unsafe Acts
  - Unsafe Conditions

- **3,000 Near-Misses or First Aid**

- **300 Recordable Injuries**

- **30 Majors (LWCs and RWCs)**

- **1 Fatal**

Truck trailer moves, driver jumps to ground and truck rolls over him/her
Truck trailer moves, driver jumps to ground and breaks leg
Truck trailer moves, driver jumps to ground and sprains ankle
Lift truck is driven into truck trailer and trailer moves
Wheel chocks not in place at rear wheels of trailer

Culture
Steps to Strengthen our Culture:

- **Public Protection** – Improved Isolation of Site
- **Safety Audits** – With Prompt Correction and Follow-up
- **Identify High Exposure** – Weekly High Risk Summary
- **Safety Review Committee** – Oversight and Guidance
- **Fall Protection** – Risk Matrix and Improvements
Public Protection Pre-Planning
Public Protection Pre-Planning
Public Protection

Previously…

Today…

Improved visibility and safety
Safety Audits

Date: Mar 31, 2021
Inspector: William Santa
Location: Safety - General Inspection
Building: SALK HALL
Floor: Mezzanine
Note Category: Custom

GOOD - Bagging (or covering) existing smoke detectors is an acceptable method of temporarily impairing fire detection devices during construction projects. Use tape to hold the covering in place, but do not use tape as the cover material.
Identify High Risk Exposure

Peterson Sports Complex Crane
2/11/2020 & 2/13/2020 Inside Construction Fence

Chilled Water / Potholing
Athletic Fields Complete.
2/11 to 2/14/2020 Sutherland down to Peterson (~10-15 holes)

All Crane / Turner Construction, 5051 Centre Project:
Tower Crane Set-up 2/14 to 2/18/2020, Below
Safety Review Committee

• Review Mishaps and Injuries for trends
• Review Safety Audits and High Risk Activities
• Review Monthly Safety Talk
• Identify Safety Gaps and prioritize
• Special Topics as-needed:
  • Hoist/Sling Safety & Inspections
  • Roof Top Fall Protection Deficiencies
  • Safety Recalls
Fall Protection – The # 1 Risk

- Evaluation of existing systems at all buildings
- Measures must be an integral part of design phase for all new construction projects and roof renovation/repair projects

### Fall Protection - Risk Assessment Matrix

<table>
<thead>
<tr>
<th>Severity</th>
<th>Frequent (Daily)</th>
<th>Likely (Weekly)</th>
<th>Occasional (Monthly)</th>
<th>Seldom (2-4X/Year)</th>
<th>Unlikely (1X / Year)</th>
<th>Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catastrophic</td>
<td>1</td>
<td>3</td>
<td>6A</td>
<td>6B</td>
<td>6C</td>
<td>EXTREMELY HIGH</td>
</tr>
<tr>
<td>Danger</td>
<td>2</td>
<td>5</td>
<td>7</td>
<td>12</td>
<td>13</td>
<td>HIGH RISK</td>
</tr>
<tr>
<td>Warning</td>
<td>4</td>
<td>10</td>
<td>11</td>
<td>16</td>
<td>19</td>
<td>MODERATE RISK</td>
</tr>
<tr>
<td>Caution</td>
<td>9</td>
<td>14</td>
<td>15</td>
<td>18</td>
<td>20</td>
<td>LOW RISK</td>
</tr>
</tbody>
</table>
Results

- Over 25,500 Construction Safety Audits Completed
- 60% drop in OSHA mishaps by in-house staff
- Contractor mishap rates ~ 50% below industry national average
- Implemented campus-wide annual hoist and rigging Inspections