Large Sporting Events Present Opportunities to Drill

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Aaron Rubin, MD is the regional coordinator for emergency preparedness for Kaiser Permanente where he participates in events such as the Pasadena Marathon, Los Angeles Triathlon, and Kaiser Permanente Fit Festival as a method of increasing emergency supplies and preparedness. He is leading Kaiser Permanente's role as a medical sponsor for the upcoming Special Olympics World Games in 2015 in Los Angeles, where the medical team will provide care for international participants. Dr. Rubin received his medical degree from Texas Tech Health Science Center in Lubbock, Texas and completed a residency in Family Medicine at the Texas Tech Regional Academic Health Center in Amarillo, Texas. He came to Southern California to receive additional training in Sports Medicine at the Kaiser Permanente Sports Medicine Fellowship Program in Fontana where he stayed on as the Program Director.

Brenda Brennan, MS, RN, CEN, CNS
Vice Commander, San Bernardino Sheriff Medical Reserve Corp
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Brenda Brennan is vice commander for the San Bernardino County Medical Reserve Corp (MRC) and one of its founding members. She has actively participated/coordinated MRC deployments for mass evacuation shelters, mass vaccination clinics, and large events support. In addition to serving as vice commander she has held positions as the training officer and logistics officer. She has served on the national MRC committee for federal deployment. Ms. Brennan also works as an emergency clinical nurse specialist for Washington Hospital. She has more than 30 years of nursing experience primarily in the emergency department and is active in emergency preparedness planning and response.
Kathy Dollarhide RN, BSN, CEN, CEM
Director, Disaster Resource Center
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Kathy Dollarhide has worked as a disaster coordinator and emergency room nurse her entire career. In her current position as the director of disaster resource center at St. Mary Medical Center, she coordinates trainings and education in disaster management for all eight Long Beach area hospitals from Catalina Island to Downey. Ms. Dollarhide is a certified HAZMAT Instructor. Kathy has been a civilian training officer for the Defense Medical Readiness Training Institute for the Department of Defense at Fort Sam Houston and has instructed troops in pre-deployment courses on trauma. Kathy has been a training officer for the FEMA “Hospital Emergency Response Training for Mass Casualty Incidents” course at Noble Training Center. She has been an instructor for the EMT programs at CSU Long Beach and Long Beach City College. Kathy also lectures at the CERT Team for Long Beach Fire Department and Medical Reserve Corps for the City of Long Beach. Kathy is faculty at the CME Department for the St. Mary Medical Center Residency Program.

How Planned Events Can Help With Disaster Preparedness

Aaron Rubin, MD, FAAFP, FACSM
Kaiser Permanente Southern California

Brenda Brennan, RN
San Bernardino Sheriff Medical Reserve Corp
## Common Ground

<table>
<thead>
<tr>
<th>Large scale event</th>
<th>Unplanned disaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Leadership</td>
<td>• Leadership</td>
</tr>
<tr>
<td>• Work space</td>
<td>• Clinical space</td>
</tr>
<tr>
<td>• Supplies</td>
<td>• Supplies</td>
</tr>
<tr>
<td>• Communication</td>
<td>• Communication</td>
</tr>
<tr>
<td>• Security</td>
<td>• Security</td>
</tr>
<tr>
<td>• Staff</td>
<td>• Staff</td>
</tr>
<tr>
<td>• Participants</td>
<td></td>
</tr>
</tbody>
</table>

## Uncommon items

<table>
<thead>
<tr>
<th>Large scale event</th>
<th>Unplanned disaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Planned</td>
<td>• Unplanned</td>
</tr>
<tr>
<td>• Limited time</td>
<td>• Unknown time frame</td>
</tr>
<tr>
<td>• Pre-position assets</td>
<td>• Gather assets</td>
</tr>
<tr>
<td>• Comms in place</td>
<td>• Comms on the fly</td>
</tr>
<tr>
<td>• Security planned</td>
<td>• Security busy</td>
</tr>
<tr>
<td>• Participants</td>
<td>• Victims</td>
</tr>
<tr>
<td>• Staff planned</td>
<td>• Staff with what you got!!</td>
</tr>
</tbody>
</table>
ICS comes to events

- IC (for medical staff or for event)
- Operations
  - Medical staff
- Logistics
  - Supplies, transportation
- Planning
  - Advanced and ongoing
- Finance
  - Thanks, shirts, food, supplies

Surge Capacity Supplies

- Wound care
- Medications
- Bedding
- Cots/gurneys/beds
- PPE
- Hand cleaning
- Cleaning
- Ice
- Water
- Nutrition
- Power
- Lighting
- Communication
- Transport
Surge Capacity Personnel

- Physician
- Nurse
- EMT, PM, ATC
- Administrative
- Pharmacist
- Respiratory
- EVS

- Radiology
- Transport
- Security
- Public affairs/PIO
- “Muscle”
- Others

When Events Become Disasters
Disaster Preparedness Awareness

- Sporting venues are not exempt from disasters
  - Natural
  - Accidental
  - Intentional

Munich Olympics, 1972
“Birthplace of Modern Terrorism”

2014 Olympic Winter Games Sochi
Security Cost: $3 Billion?
Disaster Preparedness

17

SECOND EXPLOSION

FINISH LINE

BOYLSTON ST.

FIRST EXPLOSION

18
Events

- LA Triathlon
- Pasadena Marathon
- San Bernardino Sheriff Mud Run and Trail Run
- America’s Cup
- Special Olympics World Games 2015
Disaster Preparedness

Medical Center
High Acuity
Minor care

Cooling station
Heavy lifting and setup help
Comm center with LAFD in our tent
San Bernardino Sheriff Trail Run Helicopter evacuation

SBSD Mud Run Training with Medical Reserve Corp

VIP's in the tent

Communications

More advanced medical care

Triathlon
Disaster Preparedness

Bike Race

Public space care

Higher trauma risks

Medics and officials
Clinical Space

Bedside Ultrasound

Supplies

2014 Special Olympics Summer Games
Test Games at USC
• 7000 athletes from 177 countries
• July 24 – August 2, 2015
• Dorms at USC/UCLA
• Venues
  – UCLA, USC, Griffith Park
  – Los Angeles Convention Center, Long Beach, Sepulveda Basin
• Roles
  – Planning
  – Event Coverage
  – Non event (Spectators, VIP, volunteers)
  – Healthy Athletes
    • Vision, Hearing, Dental, Podiatry
    • Fitness, Health Promotion, MedFest

Thank you

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Objectives:

By the end of this presentation participants will be able to:

1) Describe cooperative efforts to coordinate a large-scale, multiagency HazMat drill at St. Mary Medical Center in Long Beach, California

2) Describe the importance of collaboration and coalition building between hospitals and surrounding agencies

3) Describe the resources available via the Disaster Resource Center (DRC) stockpiling of pharmaceuticals, equipment and decontamination supplies

4) Discuss the resources available for decontamination and disaster management in the City of Long Beach during the Long Beach Grand Prix

5) Discuss ways that coalition building prepares agencies prior to large public venues
Welcome to Long Beach, California

- 7th largest city in California
- Dominant maritime city for the United States
- Port of Long Beach 2nd largest port in U.S.
- 22 miles south of downtown Los Angeles, borders on Orange County
- Long Beach has its own Airport, Port, Police Department, University (CSULB), Pyramid, Fire Department, Public Health Department, World Trade Center, City Emergency Operations Center
- Population: 470,000 (approx)

Dignity Health St. Mary Medical Center

Disaster Resource Center

- Helipad access
- Closest trauma center to Port of Long Beach, Catalina Island and Toyota Grand Prix
- Other large populated events have included: International Volley Ball Tournament (FIVB), Long Beach Marathon, Gay Pride Parade, TED Conference

Emergency Department approved for Pediatrics (EDAP)/Paramedic Base Station/Level 2 Trauma
Long Beach

Peaceful oceanside community  Why make waves?

Long Beach, California

Long Beach Grand Prix

3rd weekend of April every year

- The Long Beach Grand Prix in April is the single largest event in the city of Long Beach
- Attendance for the weekend regularly reaches or exceeds 200,000 people

- In year 2014 the Long Beach Regatta fell on the same weekend
- Huge influx of visitors to our city
- Now it starts Thursday night with Thunder on Pine
Why do Long Beach Area Hospitals Need to be Prepared?

- Using Boston Marathon Bombing as a “what if”
- Hospital HazMat programs can use Tokyo Sarin gas scenario as lessons learned for preparedness efforts
- Casualties may arrive to the hospital within 30 minutes of a disaster
- Walking wounded vs. EMS transports
- Two trauma centers near Pike/Grand Prix Circuit and Port
- Using a major sporting event as a mock training/show and tell
Agencies Participating:

- Long Beach Fire Department HazMat
- Long Beach Police Department
- National Guard 9th Civil Support Team
- U.S. Department of Homeland Security Customs and Border Protection Special Response Team

Drill Coordinated Two Weeks Before Grand Prix

- Participants included members of decon team/response team from:
  - Dignity Health St. Mary Medical Center
  - Long Beach Memorial/Miller Children's Hospital
  - Tri City Regional Medical Center (Hawaiian Gardens)
  - Community Hospital Long Beach
  - Long Beach Veterans Administration
  - Kaiser Foundation Downey
  - Catalina Island Medical Center (City of Avalon)
  - St. Vincent's Medical Center (Los Angeles)
  - Huntington Hospital (Pasadena)
  - CSULB Student Health Center
  - Long Beach Department of Health and Human Services Medical Reserve Corps
  - CERT Team
Border Patrol Special Forces training at Dignity Health St. Mary Medical Center (2 weeks prior to drill)

- 8th floor of hospital empty
- Camera system and training area for munitions and hostage training
- They shared combat training class with me, we share our campus with them
- DRC conference room as their command post for training
- Familiarity with our campus, helipad, entrances, cameras and security guards

How are Agencies the Same? How are we Different?

- Safety Checks
- Medical Monitoring
- Team Work
- Interagency Collaboration
- Responders vs. Receivers
- Guns
- Civil unrest vs. angry patients
- APR vs. PAPR
Our Basic Decon Drill “Rules And Regs”

- Preregistration and sign-in — Keep agencies geographically together for equipment organization
- Pre-labeling all equipment prior to the drill
- Slip/Trip/Fall waivers for all participants (including uniforms) for every drill we coordinate
- Start on time end on time
- Keeping decon teams presentation to a “sharing of resources” instead of technical classroom style lectures (share your toys)
- Having hospital equipment standardized — suiting up as a team — all hospitals in unity — Donning and Doffing (Lessons learned from PAPRs)
- Keeping 2 groups of safety officers in their roles Site safety vs. Decon Team safety
- Delegation of roles to team prior to drill and on-site

How National Guard 9th Civil Support Team Would Approach
Field HazMat vs. Hospital HazMat
Compare and Contrast

Law Enforcement Response
Sharing How Each Agency Would Respond to a Chemical Attack

Day Of The Drill — Each Agency Brings Suits, Powered Air Purifying Respirators (PAPRs) and Safety Officers
Lessons Learned

- Challenges: space for all agency vehicles — 9th CST mobile decontamination trailer, LB Fire HazMat vehicle, clearance at drill site for roof and entrance gate for vehicles
- Not closing streets for traffic for business as always
- Signage
- Access to water
- Run off
- This year we decided no public relations
- News/media pros and cons

How do we decontaminate victims from a mass casualty event?

Dilution is the Solution to the Pollution
Get them wet and get them naked
How do hospitals get other agencies to work with us in collaboration?

Security Guard Orientation — CERT Team Invited
Security Working with Law Enforcement for Civil Unrest and Street Closures

Security Training at Dignity Health St. Mary Medical Center and Other Hospitals in Our Area
Coalition Building

Disaster Resource Center Hospitals Stockpile Mark 1 Kits For Police and Fire and Hospital

- One chamber has 2 mg of Atropine
- One chamber has 600 mg of 2PAM (pralidoxime chloride)
- Other auto injectors contain Valium for seizure control
City of Long Beach Emergency Command Center

- City EOC houses both police and fire dispatch
- City EOC has a disaster committee all agencies sit on – yes hospitals have a seat
- Citywide Incident Management Team Trainings

Citywide Incident Management Teams — Standardized USFA Type 3 IMT Training for All Agencies in City of Long Beach
Ensuring Disaster Management is in EMT Programs and Nursing Programs

CSULB EMT program

CSULB Nursing School

Working together in Long Beach — CSULB Active Shooter Drill 2013
Familiarity with Equipment Before a Disaster Strikes

Challenges We Would Face With Pediatric Victims After an MCI
Challenges With Civilian-Based Decontamination Teams — Catalina Island

Why Long Beach/Catalina Drills?

- High Risk/Low Volume
- Limited mainland resources
- Isolation
- Limited MCI capabilities
- Cruise Ship Tuesdays
- Area F vs. Area E
- LB Fire, LA County Fire, Avalon Fire, Los Angeles County Sheriffs — multijurisdictional
Standardization Of Equipment Project In Long Beach From This Drill

• “Safety First” for our first responders and first receivers
• Crowd control
• Comparison of Personal Protective Equipment (PPE) for ATD vs. proper powered air purifying respirator (PAPRs) for chemical
• Rapid response backpacks
• Escape hoods
• Bulletproof vests
• More drilling and training

Breaking Down Walls in Disaster Management

• Private hospital competition
• Local response agencies
• Federal agencies
• Silos between fire and police
• Corporate levels

Disaster planning must break down all pre-existing silos
What is a Disaster Resource Center ???

- Los Angeles County
  - 13 hospitals designated as DRC
  - Geographically located with 8 umbrella hospitals under our facility
- St. Mary Medical Center is one of the 13 Disaster Resource Centers designated by the Los Angeles County Department of Health Services EMS Agency

National Hospital Bioterrorism Preparedness Plan (NHBPP) (HPP/ASPR) Grant Funding

- Overall mission: prepare healthcare systems to deliver coordinated and effective care to victims of disaster and terrorism-related events
- Grant funding for medical centers to assist preparedness efforts in the community
NHBPP Goal: Enhance Regional Surge Capacity

- Disaster Resource Center (DRC)
  - Coordination of resources:
    - Ventilators, pharmaceuticals, medical and surgical supplies, tent shelters, and educational outreach
  - To Enhance:
    - Communication
    - Mutual aid among specified number of hospitals within a geographic region

Who are our Hospitals?

- Catalina Island Medical Center (Avalon)
- VA Hospital Long Beach
- Long Beach Memorial Medical Center / Miller Children’s Hospital
- Community Hospital Long Beach
- College Medical Center
- Kaiser Foundation Medical Center Downey
- Tri City Regional Medical Center – Hawaiian Gardens
- Lakewood Regional Medical Center
- Clinics and Long-term Care/SNFs in consortium
Dignity Health St. Mary Medical Center Mission: To Coordinate

- Equipment
- Pharmaceutical caches
- Meetings with all agencies in the neighborhood
- Education and training
- Hospital preparedness activities
- Disaster drills

Active Shooter Drills
Triennial Long Beach Airport Drills

The DRC Coordinates Incident Command Systems and Tent Shelters for Surge Capacity
Who does St. Mary Medical Center train with?

- All Hospitals
- Law Enforcement
- Local Hazmat Teams Fire and Health
- Media
- CSULB
- Long Beach Police Dept.
- Health Dept
- Ham Radio
- Airport
- Border Patrol
- City of Long Beach
- Businesses

How To Run A HazMat Drill Using The Golden Rule….

“All I Really Need To Know I Learned In Kindergarten”

- Share everything.
- Play fair.
- Don't hit people.
- Put things back where you found them.
- Clean up your own mess.
- Don't take things that aren't yours.
- Say you're sorry when you hurt somebody.
- Wash your hands before you eat.
- Live a balanced life — learn some and think some and draw and paint and sing and dance and play and work every day some.
- Take a nap every afternoon.
- When you go out in the world, watch out for traffic, hold hands and stick together.
- Be aware of wonder. Remember the little seed in the Styrofoam cup: the roots go down and the plant goes up and nobody really knows how or why, but we are all like that.
- Goldfish and hamsters and white mice and even the little seed in the Styrofoam cup — they all die. So do we.
- And then remember the Dick-and-Jane books and the first word you learned — the biggest word of all — LOOK.
Training with the Long Beach VA Decontamination Team — FEMA Course
March 13–17, 2006

Long Beach Airport Disaster Drill — April 22, 2006
Los Alamitos Joint Forces Base NDMS
Disaster Drill — June 8, 2006

Dirty Bomb Drill: St. Mary Medical Center
November 16, 2006
Hawaiian Gardens Casino Bomb Drill
Multi-agency drill coordinated by the SMMC DRC, June 6, 2007

April 24, 2008 Aquarium of the Pacific U.S. Coast Guard, Fire, Law and SMMC DRC Drill – Bomb on the Water

- Focus on trauma surge capacity for burn victims
- 13 burnt patients from on-water explosion
- Multi agency cooperation for disaster management of burn patients
- Long Beach Fire, SMMC, Coast Guard Auxiliary and the Aquarium CERT Team
Military Drill October 1, 2009 — Radiological Dirty Bomb with 9th Civil Support Team — Los Alamitos Joint Forces Base and St. Mary Medical Center

Decontamination Drills at Long Beach VA — 2011
Doctor Disaster Courses and Doctor Decon Courses Every 6 Months

Join Us in April 2015 Night Shift Drill — Active Shooter
Training the ER Staff — Decontamination Drilling at SMMC
Mandatory Annual Competencies

Annual Decontamination Training — 2014
Long Beach Community Hospital
Creating a Positive Learning Environment for HazMat Training — Make it Fun!!!
Why We Do Our Jobs as Emergency Managers

- Breaking down of silos of a community
- Each agency accomplishes their individual training goals
- Each agency works in cooperation with each other in an effective manner before a disaster strikes
- BUT……..
- Our lives could depend on this
- Our families could depend on us
- This is OUR NEIGHBORHOOD!!

Disaster Preparedness is a Family Thing at St. Mary Medical Center

2006 Disaster Drill SMMC

2010 Disaster Drill SMMC

2013
Disaster Preparedness Begins at Home.....

Thank you

Kathy Dollarhide
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