Collect, Analyze & Train

Risk Management at YMCA Camp Widjiwagan
Ely, MN
YMCA CAMP
WIDJIWAGAN
Who We Are

YMCA CAMP WIDJIWAGAN
WHERE DO WE TRAVEL?
TOTAL CAMPER DAYS

- Collect
- Analyze
- Train

Bar chart showing total camper days from 2000 to 2013 with a trend line indicating an upward trend.
RISK MANAGEMENT & STAFF TRAINING

- First Aid & Lifesaving
- 1980 - Development of specific curriculum
- 1992 - Introduction of WFR
- 1999 - Development of the incident database
- 2000 to today - Continued development of risk management philosophy & practice
COLLECTING THE DATA

Entry Number 1
New Entry

Trip
Treated By
Patient Name
Staff ID:

Date: 6/14/2012
Trip Day: 0
Trip Length: 0

Narrative

- Blood Involved
- Mucous Membrane Contact
- Gloves Used
- Incident Report Filled Out

Collect
Train
Analyze
**COLLECTING THE DATA**

<table>
<thead>
<tr>
<th>General Type of Incident (Choose one)</th>
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</thead>
<tbody>
<tr>
<td>Injury</td>
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<tr>
<td>Fatality</td>
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<tr>
<td>Other - General</td>
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<tr>
<td>Illness</td>
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<tr>
<td>Behavioral</td>
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<tr>
<td>Other Description - General:</td>
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<tr>
<td>Near Miss</td>
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<tr>
<td>Damage/Loss</td>
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</tbody>
</table>
### Collecting the Data

#### Specific Type of Injury or Illness (Choose all that apply - generally only one)

<table>
<thead>
<tr>
<th>Soft Tissue</th>
<th>Musculoskeletal</th>
<th>Thermoregulation</th>
<th>Respiratory</th>
<th>Eye, Ear, Nose, Mouth</th>
<th>Eye, Ear, Nose, Mouth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion</td>
<td>Strain/Sprain</td>
<td>Hypothermia - Mild</td>
<td>SOB - Respiratory</td>
<td>Injury - Eye</td>
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<tr>
<td>Laceration</td>
<td>Dislocation</td>
<td>Hypothermia - Severe</td>
<td>Arrest - Respiratory</td>
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<td>Avulsion</td>
<td>Fracture</td>
<td>Heat Illness - Mild</td>
<td>URI - Respiratory</td>
<td>Other - Eye</td>
<td>Other - Ear</td>
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<td>Amputation</td>
<td>Cramp</td>
<td>Heat Illness - Severe</td>
<td>Pneumonia - Respiratory</td>
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<td>Tendonitis</td>
<td>Fever - Non-specific</td>
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<td>Other - Thermoregul</td>
<td>Choking - Respiratory</td>
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<td>Frostbite</td>
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<td>Other - ST</td>
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<td>Other - CV</td>
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<td>Spine Injury - with cord</td>
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<td>Dizziness</td>
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<td>Psychological/Emotional</td>
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<td>Seizure</td>
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<td>Intoxication/ Poisoning</td>
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<td>Other - Neurologic</td>
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<td>Genital-Urinary</td>
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<td>Bladder Infection - GU</td>
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<td>Constipation - Abd</td>
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<td>Nausea/Vomiting - Abd</td>
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<td>Other - Abdominal</td>
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<td>Altitude</td>
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<td>Altitude Illness - Mild</td>
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<td>Altitude Illness - Severe</td>
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</table>
**COLLECTING THE DATA**

**Anatomic Location of Injury (Choose all that apply - generally only one)**

- Head
- Mouth
- Elbow
- Chest
- GU
- Ankle
- Face
- Throat
- Forearm
- Abdomen
- Hip
- Foot
- Eye
- Neck
- Wrist
- Lower Back
- Thigh
- Toe
- Ear
- Shoulder
- Hand
- Upper Back
- Knee
- Nose
- Upper Arm
- Finger/Thumb
- Pelvis
- Leg
COLLECTING THE DATA

Environmental Factors (Choose all that apply)

- [ ] Altitude
- [ ] Cold
- [ ] Darkness
- [ ] Falling Objects
- [ ] Fall on Object
- [ ] Animal/Insect
- [ ] Heat
- [ ] Immersion/Sub
- [ ] Lightning
- [ ] Plant Toxicity
- [ ] Poor Visibility
- [ ] Precipitation
- [ ] Sun Exposure
- [ ] Surface Condition
- [ ] Wind
- [ ] Other

Condition of Victim at Time of Incident (Choose all that apply)

- [ ] Dehydration
- [ ] Emotional State
- [ ] Exhaustion
- [ ] Intoxication
- [ ] Pre-existing Medical Condition
- [ ] Nutrition
- [ ] Time Since Last Meal (min)
- [ ] Psychological
- [ ] Hygiene
- [ ] Other

Other Factors at Time of Incident (Choose all that apply)

- [ ] Exceeded Ability
- [ ] Inexperience
- [ ] Improper Screening
- [ ] Improper Supervision
- [ ] Did Not Follow Instructions
- [ ] Misbehavior
- [ ] Missing/Lost
- [ ] Other

(exceedingly tiny text)
## Collecting the Data

### Activity at Time of Incident (Choose one)

**Canoeing**
- Paddling Flatwater
- Paddling Whitewater
- Portaging
- Swimming
- Loading/Unloading
- Cooking
- Campsite
- Other

**Backpacking**
- Hiking with Pack
- Hiking without Pack
- River Crossing
- Swimming
- Cooking
- Campsite
- Other

**In Camp**
- Game
- Paddle/Hike Out
- Demo
- Initiatives/Ropes Course
- Other

**In Transit**
- Urban Activity
- Driving
- Loading/Unloading
- Other
- Skiing/Snowshoeing
COLLECTING THE DATA

Where/By Whom Was Victim Treated
(Choose the highest level of treatment)

- [x] Staff
- [ ] Health Professional
- [ ] ER or Clinic
- [ ] In Hospital - if admitted
- [ ] Other

- [x] Staff Present At Time of Incident
- [ ] Did Victim Leave the Trip
- [ ] Did Victim Return to the Trail
- [ ] Damage or Loss:
  - [ ] Vehicle
  - [ ] Equipment
  - [ ] Property
  - [ ] Date Returned:
NOW ON TO OUR DATA
DATA ANALYSIS - TOTAL INCIDENTS

- Collect
- Train
- Analyze


Incidents: 52, 42, 45, 36, 19, 34, 52, 51, 40, 49, 40, 74, 58

Graph showing an increasing trend from 2000 to 2012.
INCIDENTS PER 1000 CAMPER DAYS

![Bar chart showing incidents per 1000 camper days from 2000 to 2012, with a peak in 2011.]
EVACUATIONS

- Number of Evacs
- Number Returned to Trail
- Percent Returned to Trail

- 2000: 11, 2, 18%
- 2001: 40%, 2, 2
- 2002: 11, 2, 18%
- 2003: 11, 2, 27%
- 2004: 29%, 3, 7
- 2005: 8, 2, 29%
- 2006: 14, 4, 50%
- 2007: 5, 5, 36%
- 2008: 8, 5, 38%
- 2009: 40%, 5, 40%
- 2010: 40%, 7, 29%
- 2011: 29%, 7, 29%
- 2012: 36%, 4, 11

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NEAR MISS INCIDENTS

- 2000: 33%
- 2001: 7%
- 2002: 7%
- 2003: 11%
- 2004: 11%
- 2005: 9%
- 2006: 6%
- 2007: 8%
- 2008: 10%
- 2009: 6%
- 2010: 3%
- 2011: 5%
- 2012: 10%
Incidents per 1000 Camper Days
2000 - 2012


Canoeing  Backpacking
AVERAGE INCIDENTS BY BACKPACKING TRIP TYPE

- Backpack: 2.81
- Isle Royal: 4.02
- Bighorns: 3.19
- Rocky Mtn: 2.89
- Explorer: 2.77
- AE: 3.24
- Mountaineer: 1.93
AVERAGE INCIDENTS BY CANOEING TRIP TYPE

- Canoe: 3.56
- Intro: 3.06
- BWCA: 2.96
- Quetico: 3.20
- Explorer: 3.12
- AE: 6.26
- Voyageur: 2.88
WHITE WATER OR FLAT?

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INCIDENTS BY TYPE OF INJURY

- Soft Tissue
- Musculoskeletal
- Thermoregulatory
- Water Related
- Altitude
- Allergy
- Neurologic
- Eye
- Ear
- Nose
- Mouth/Tooth
- Respiratory
- Cardiovascular
- Abdominal
- GU
ANKLE INJURIES

Day of injury

Day 4
NECK INJURIES
MAKE TRAINING REAL
FOCUS ON COMMON PROBLEMS
What Will You Do To Make Your Program Safer?

• Collect Your Data
• Develop a Team to Review Your Data
• Turn What You Learn Into Training