Talking Safety: Why Safety Matters

BY JENNIFER MACLACHLAN, PID ANALYZERS, LLC

#ACSBOSTON #SAFETYMATTERS
Safe workplaces are sound businesses.

Every workplace should have a safety and health program that includes management leadership, worker participation, and a systematic approach to finding and fixing hazards.

Wherever you are, take a step in the right direction.

Join the Safe + Sound Campaign Today!
@pidgirl and @pidguy

PHOTO CREDIT: ASHLEE WILCOX
Since 1973, our products have been used to protect the safety & health of workers
I’m chairing the AIHA national Safety Matters Task Force

Current goals for the Safety Matters Task Force:

1) Getting Safety Matters into the AIHA Local Section/Chapters action plans as a priority for 2018

2) Creating an easy reporting/sharing mechanism about Safety Matters activities (outreach & legislative etc.)

3) Creating "pitch" materials (email templates) for getting into schools/clubs for the educational outreach component as well as legislative

4) Taking legislative action—Include options for action
American Chemical Society Strategic Plan 2018
Safety is a Core Value!
#ACSSafetySummit
IN THIS PRESENTATION TODAY WE WILL

1. LEARN ABOUT THE SAFETY MATTERS PROGRAM
2. LEARN HOW TO FACILITATE THE SAFETY MATTERS CURRICULUM
3. LEARN HOW TO CONNECT WITH LOCAL EDUCATORS TO BRING SAFETY MATTERS INTO THEIR PROGRAMS
4. INSPIRE EDUCATORS TO ADD SAFETY MATTERS INTO THEIR CURRICULUM
5. CONNECT WITH LOCAL MEDIA TO PUBLICIZE THE PROGRESS OF THE SAFETY MATTERS PROGRAM
6. LEARN HOW TO CONNECT WITH LEGISLATORS TO TAKE LEGISLATIVE ACTION SO EDUCATORS ARE MADE AWARE OF THE IMPORTANCE OF THE PROGRAM AND ARE ENCOURAGED TO ADAPT IT INTO THEIR CURRICULUM
Bringing Safety Matters to educators in your community is your chance to give back to the EHS/OHS profession.
How do you obtain the Safety Matters facilitator presentation?

HTTPS://WWW.AIHA.ORG/GET-INVOLVED/SAFETYMATTERSCENTER/PAGES/SAFETY-MATTERS-TRAINING-PROGRAM.ASPX
Where can you facilitate Safety Matters?

Start with educators that you know in your community.
How to (really) get started with Safety Matters

1) Familiarize yourself with the Safety Matters presentation
2) Know the age of your audience - This is critical knowledge because it will affect how you will lead the discussion components during your Safety Matters seminar
@PIDGIRL’S HOW TO INTERACT WITH SLIDES 1-2 OF SAFETY MATTERS

Slide 1: Using your best 'elevator pitch', introduce yourself as an AIHA member volunteer and describe your job.

Slide 2: Ask students to interpret what is being communicated in the Young Worker Injuries graphics.
Slide 3: Statistics: Ask the students if they know anyone who has been injured on the job. It’s ok to have a short, focused discussion at this time.

Teen Worker Injury Statistics

- Approximately 1.6 million teens (aged 15–17) in the United States work. About 50% of 10th graders and 75% of 12th graders have jobs.
- A teenager in the U.S. is injured on the job every 9 minutes.
- On average, each year
  - 59,800 workers younger than 18 are sent to the ER for job-related injuries, but actual injury statistics are probably much higher.
  - 37 workers younger than 18 die on the job.
  - Young workers are twice as likely to be injured than adult workers.

Slide 4: Now here's a short video of a young worker named Mallory. Then conduct a short facilitated discussion using the questions provided on the slide.

Mallory’s Story

- What are some factors that contributed to this incident?
- What could have kept Mallory from being hurt?
- How might this affect Mallory’s future life choices?
@pidgirl’s interaction with Safety Matters slide 5

Finding Hazards
Safety Matters Slides 6-11: Workplace hazards/job hazards

Workplace Hazards
All workplaces have hazards that can be identified and corrected.

What is a Job Hazard?
A job hazard is anything at work that can hurt you either physically or mentally.

4 categories:
- Safety
- Chemical
- Biological
- Other health hazards

Job Hazards
- Safety hazards can cause immediate injuries
  - Knives, hot grease
- Chemical hazards are gases, vapors, liquids, or dusts that can harm your body
  - Cleaning products, pesticides
- Biological hazards are living things that can cause sickness or disease, such as:
  - HIV/AIDS, hepatitis, tuberculosis
  - Bacteria, viruses

Job Hazards (continued)
- Other health hazards are other harmful things that can injure you or make you sick. Some are not obvious because they may not cause health problems right away.
  - Noise, radiation, repetitive movements, heat, cold, stress, violence

Can you think of other job hazards?

Making the Job Safer

Controlling Job Hazards
- Remove the Hazard = the best way
  - Example: Buy precut vegetables so that employees don’t have to use knives.
- Good safety policies
  - Examples: Train workers, give regular breaks, assign enough people to do the job safely
- Personal protective equipment (PPE) = the least effective (but use when provided!)
  - Examples: Gloves, steel-toed shoes, hard hats, respirators, safety glasses, hearing protectors, lab coats or smocks
@pidgirl’s interactions with slides 12 & 13

Removing or Reducing Hazards

**Jasmin’s Story**

- **Job:** Hospital dishwasher
- **Hazard:** Chemical dishwashing solution
- **Injury:** Chemical burn to the eye

What solutions can you think of that might prevent this injury from happening again?

Know Your Rights and Responsibilities
Teen Workers in Massachusetts: Slides 14 & 15

**Who Protects Teen Workers?**

- Employers
- Teens
- Government agencies
  - The Occupational Safety and Health Administration (OSHA)
  - Federal and State Departments of Labor
  - U.S. Equal Employment Opportunity Commission (EEOC)

**Are You a Teen Worker?**

- What is the minimum wage in our state?
- If you are under 18 years old do you need a work permit before you start a new job?
- During the school year, how late can 14- and 15-year-olds work at night?
- During the school year, how late can 16- and 17-year-olds work at night?

@pidgirl’s interactions with Safety Matters Slides 16-20

Being Prepared, Taking Action

Emergencies at Work

What is an emergency at work?
An unplanned event that harms or threatens employees, customers, or the public; that shuts down business operations; or that causes physical or environmental damage.

Emergencies at Work - Examples

<table>
<thead>
<tr>
<th>Man Made</th>
<th>Natural</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic releases</td>
<td>Hurricanes</td>
</tr>
<tr>
<td>Power outages</td>
<td>Blizzards</td>
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<tr>
<td>Fires</td>
<td>Wild fires</td>
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<tr>
<td>Chemical spills</td>
<td>Tornadoes</td>
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<tr>
<td>Terrorism</td>
<td>Ice storms</td>
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<tr>
<td>Explosions</td>
<td>Earthquakes</td>
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<tr>
<td>Violence</td>
<td>Floods</td>
</tr>
</tbody>
</table>

Speaking Up

- Never feel bad about seeking help or asking questions. Trust your instincts!
- Don’t be silent when confronted with a problem at work. It could get worse, and you or a co-worker could get hurt!
- It is illegal for an employer to fire someone for reporting work hazards or other safety problems at work!

What Do OSH Professionals Do?

Occupational safety and health (OSH) professionals:
- Help prevent harm to workers, the environment, and the general public.
- Design safe workspaces, study or treat work-related diseases, inspect machines, or test air quality.

For a written version of this slide, visit: [https://www.yourdocument.com/54b/G727956](https://www.yourdocument.com/54b/G727956)
Safety Matters: Summarize the ‘take-aways’ for students

**Safety Matters: Summing Up (1)**
- Everyone is at risk for being hurt on the job, and all jobs have hazards.
- Young workers are more likely than any other age group to get hurt or killed at work.
- Workplace injuries are **NOT** accidents. They can be predicted and prevented.

**Safety Matters: Summing Up (2)**
- You need to know about the types of hazards so you can recognize potential health and safety problems.
- The best way to prevent a workplace injury or illness is to remove the hazard.
- If this can’t be done, then control the hazard through work policies, procedures or the use of PPE.

**Safety Matters: Summing Up (3)**
- OSHA enforces health and safety laws.
- Employers are responsible for providing a safe and healthy workplace, safety training and safety equipment.
- Young people should know their rights in the workplace but they also need to know their responsibilities, like reporting hazards and following all safety rules.

**Safety Matters: Summing Up (4)**
- Remember to trust your instincts and don’t be afraid to **speak up** if you have a problem at work!
- A work injury (or illness) can change your life forever!
- Learn about the risks and hazards at work and take action to protect yourselves and others.

**Stay Safe & Healthy at Work!**

The skills you’ve learned in the NIOSH/AIHA Safety Matters training will help keep you safe and healthy on the job, now and throughout your work lives.

**Thank you!**
HOW I GOT STARTED WITH SAFETY MATTERS 2015

Jennifer Maclachlan @pidgirl 10/27/15
Got to meet and have my pic taken, courtesy of Carol Tobin, with Dr. Howard, Director of @NIOSH at AIHAFC15.
Talking up ‘Safety Matters on Cape Cod’ using social media
WHEN I WAS READY TO ROLL OUT SAFETY MATTERS ON CAPE COD, I CONTACTED MY FRIEND AND 7TH GRADE SCIENCE TEACHER WHO HAD COMMENTED ON MY FACEBOOK POST

Hi Jen, if you came on Friday, we have 30 minute classes because of an assembly. Would you mind doing 2 classes at once doubled up? We can use auditorium or a classroom lab space. We have 3 30 minute classes between 8:05 and 9:45 and then the last on isn't until 12:42-11:10. You would hit 3/4 of the 7th grade in the AM. If it's too many kids, we can keep the classes separated too. If that doesn't make sense, call me when you get a chance.
Program Teaches Kids About Workplace Safety  21 December 2016
By: Alan Pollock
Topics: Education

Jennifer MacLachlan talks to Monomoy seventh graders about occupational safety. ALAN POLLOCK PHOTO

CHATHAM — Remember your first job? Maybe it was mowing lawns, delivering newspapers or busing tables. For a variety of reasons, those early jobs can be dangerous ones.

“Safety Matters,” a new program launched at Monomoy Middle School last week, aims to teach kids about workplace safety, maybe even before they get their first job.
Request for photographer/reporter to cover the roll out of a general awareness workplace safety program for young workers being piloted at Monomoy Middle School on 12/16

Dear Tim,

I'm working with Nancy Gifford of Monomoy Regional Middle School’s Career, Science teacher, and pilot a program called ‘Safety Matters’ developed by the National Institute of Occupational Safety and Health (NIOSH) and the American Industrial Hygiene Association (AIHA) and endorsed by the American Chemical Society (ACS). This 1.5 hour program which I will facilitate, introduces general awareness training of potential hazards that young workers may encounter in their first jobs, ranging from the need for personal protective equipment to electrical/chemical and machinery safety.

I am scheduled to roll-out this training on Friday morning December 16, 2016 to Nancy Gifford’s students between 8:05am and 9:45am. Might it be possible to send a photographer and/or reporter to cover this first program on the Cape & Islands? I’m available for a phone call if you wish to discuss: 617-699-4307.

Thank you for your consideration and I look forward to hearing from you.

Best Regards,

Jennifer Maclachlan, Managing Director
Engaging our MA State Senator Julian Cyr, in Safety Matters

May 2017
Pitched Safety Matters to Cape & Islands Senator Julian Cyr

Jennifer Maclachlan added 3 new photos —
checked in to Massachusetts State House.
October 18 at 1:18 PM - Boston

Met with Cape & Islands Senator Julian Cyr’s Legislative Director today about the next steps for the Safety Matters program I’ve been rolling out on Cape Cod as a member volunteer and Safety Matters task force chair for the AIHA - American Industrial Hygiene Association.

pidgirl
West Barnstable, Massachusetts

Liked by capecodartandnature, garrettaudio and 9 others

pidgirl Sunday night I had the opportunity to continue the conversation with Cape & Islands Senator, Julian Cyr, about #safetymatters on #capecod

6 DAYS AGO
Prepared a folder for Senator Cyr and his Legislative Director

Which included:

1) Clear cover with this cover page
2) A modified letter explaining the importance of Safety Matters
3) An infographic titled “What injured teens have to say” from the teens at work@state.ma.us site
4) A copy of where I found the Youth @ Work: Talking Safety materials under the Health & Human Services tab on mass.gov/eohhs/gov/departments site
5) The State of Oklahoma legislation mandating that teachers provide workplace safety training to their students in grades 7-12 (2015)
6) Recent legislative action in Texas urging educators to incorporate Safety Matters into their curriculum
7) Progress and next steps in Colorado
8) My asks
9) A copy of the Cape Cod Chronicle newspaper article
Safety in Sandwich Matters
A Safety & Health Training for Young Workers
Prepared for Dr. Gould
By: Jennifer Maclachlan

[Image of people in a hallway]
1) Set a date in 2018-2019 for the teacher professional development for Safety Matters in Sandwich: A train the trainer course. Supporting materials, including the Safety Matters curriculum, will be provided to participants on a flash drive.

**Contact:** Jennifer Maclachlan, Chair
American Industrial Hygiene Association Safety Matters Task Force

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Join us for a discussion for employers on the Cape about keeping your young workforce safe this summer. Jennifer MacLachlan of PJD Analyzers In Sandwich is our guest to tell you what you need to know about keeping your workers safe.
On Jul 24, 2018, at 11:09 AM, Jennifer Maclachlan <pidgirl@gmail.com> wrote:

Dear County Commissioner Cakounes,

As a constituent and member of the American Industrial Hygiene Association (AIHA), I am writing to you on a matter of great importance – educating teens about workplace safety. In short, I am asking for your assistance in incorporating the Youth@Work - Talking Safety curriculum as a required part of the curricula for grades 7 through 12. The goal of Youth@Work - Talking Safety is to reduce teen workplace injuries and illnesses by educating students about workplace hazards. The problem is clear: Approximately 1.6 million teens aged 15 to 17, are employed in American workplaces. Incredibly, every nine minutes, one of them is injured on the job. The impacts of teen injuries and possible job-loss are felt by everyone, particularly lower-income families who may rely upon their wages. The statistics are even more sobering when one considers the following set of facts:
CONNECT WITH ME!
JOIN MY AIHA TEEN WORKPLACE SAFETY TASK FORCE

- LINKEDIN.COM/IN/JENNIFERLMACLACHLAN
- TWITTER.COM/PIDGIRL
- EMAIL: PIDGIRL@GMAIL.COM
- BLOGS: ANALYZERSOURCE.BLOGSPOT.COM
- CAPECODSCIENCECAFE.TUMBLR.COM
- FB.ME/STEMJOURNEY