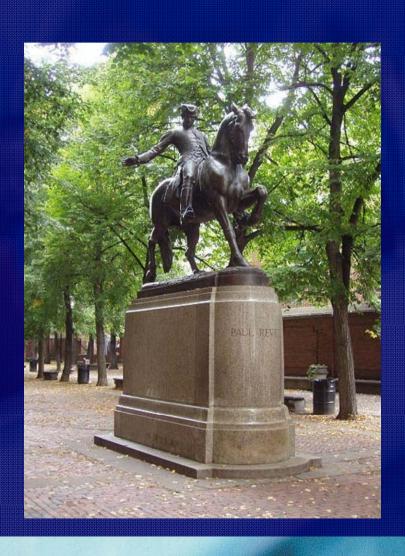


Paul Revere's Monument

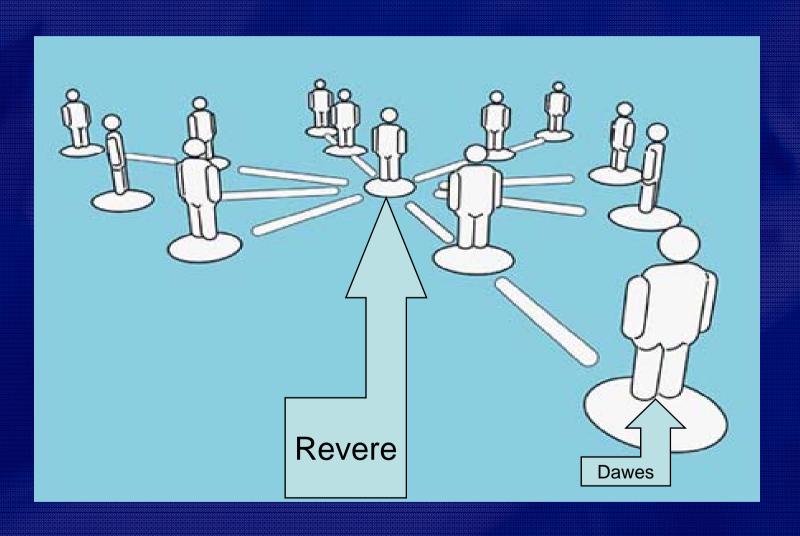




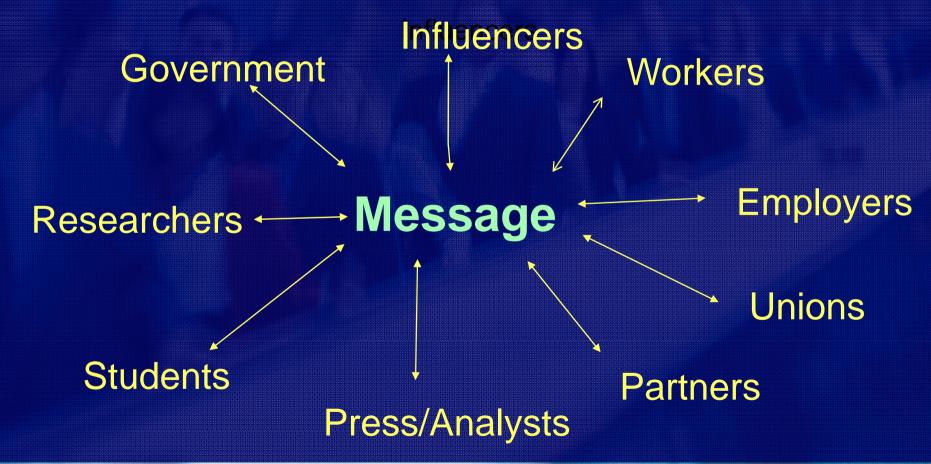
William Dawes' Monument



Networks are Essential

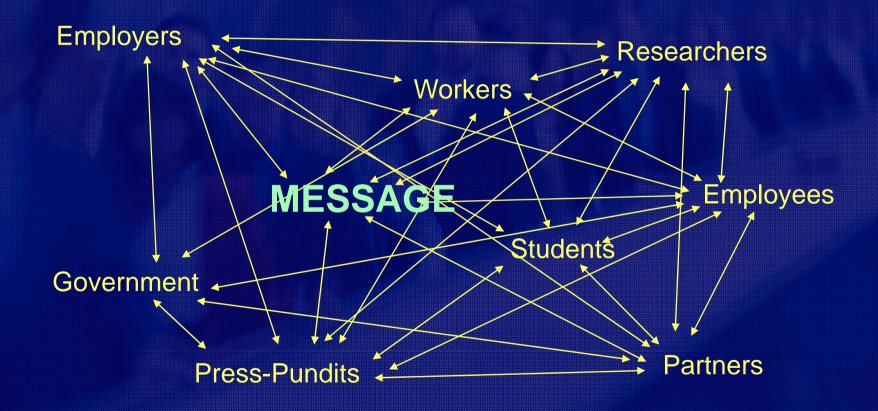


Historic Communication Network Pattern





Current Communication Pattern





Social Media Helps us Tap into the New Networked World

Definition:

Social media falls under the marketing umbrella and defines activities that:

- integrate technology
- social interaction, and
- •the construction of words, and visual media to promote <u>sharing</u>.

Social Networks Influence Behavior

"Connected could change your life forever."

- DANIEL GILBERT, author of Stumbling on Happiness

NICHOLAS A. CHRISTAKIS, MD, PhD AND JAMES H. FOWLER, PhD

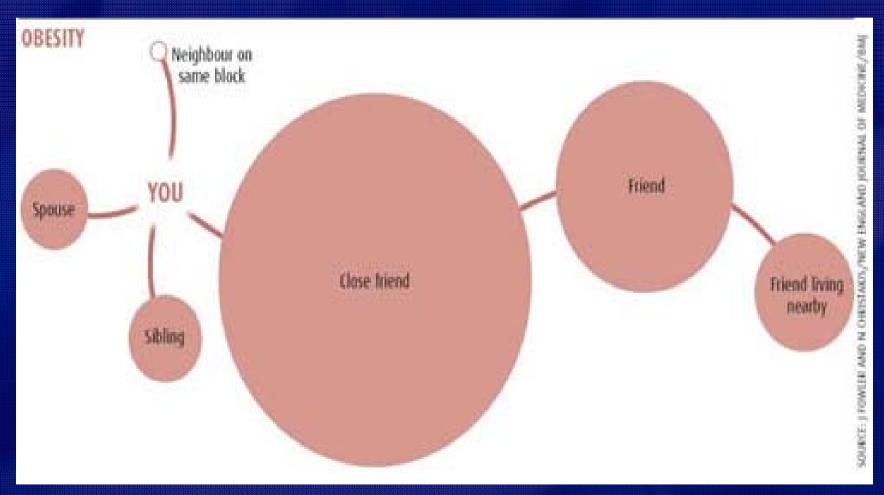


Connected

The Surprising Power of Our Social Networks and How They Shape Our Lives Knowledge and influence reside in networks

Network analysis has implications for public policy

Finding: Social networks have clusters of people within them that reach out to three degrees of separation. Influence is related to their friends, their friends' friends, and their friends' friends—that is, to people well beyond their immediate environment





Today's Theme: Tapping into the tools of social media

Communicating with workers, organizations, individuals and ourselves to build our community of practice

Social Media Applications

- Google-reference, social networking
- Blogs-reference, social networking
- Twitter-reference, mini blog
- Wikipedia- reference
- MySpace- social networking
- Facebook- social networking
- YouTube- video sharing
- Flickr-photo sharing

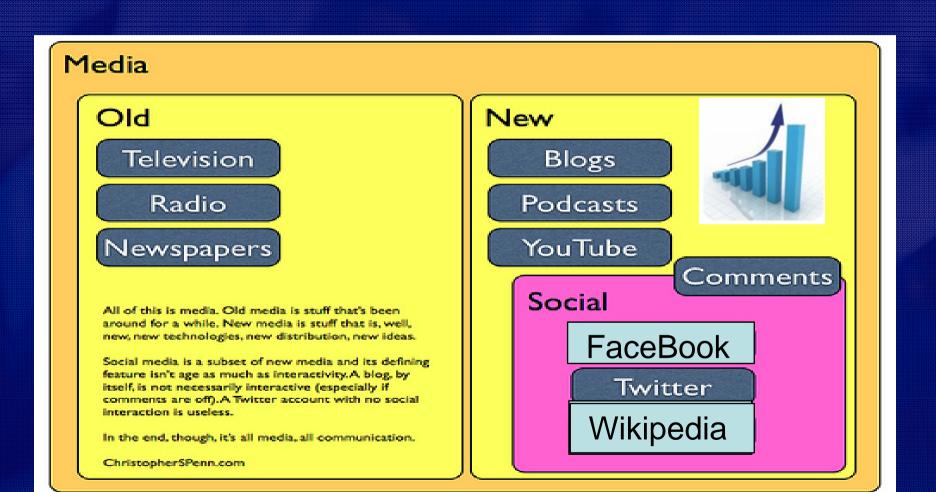
Newsletters, Journals, Research and Many Conferences are Outbound Media But only part of the solution....



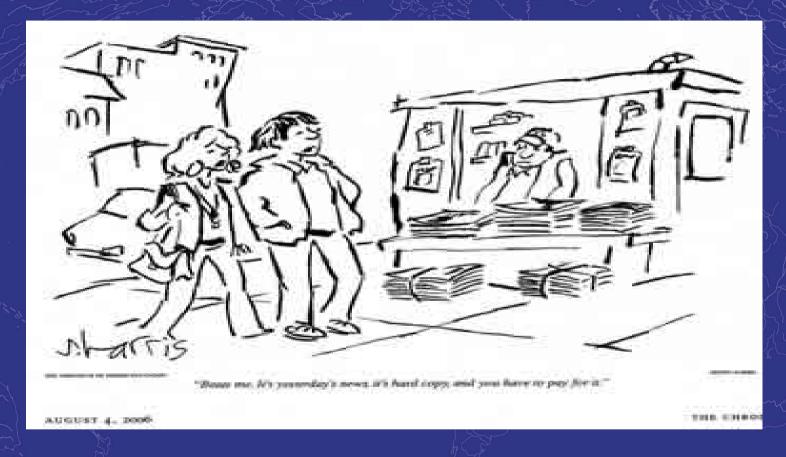




Outbound vs. Inbound Media



Are Blogs the New Newspapers?



"Beats me. It's yesterday's news, it's hard copy, and you have to pay for it."

Blogs are Relevant

Blog sites

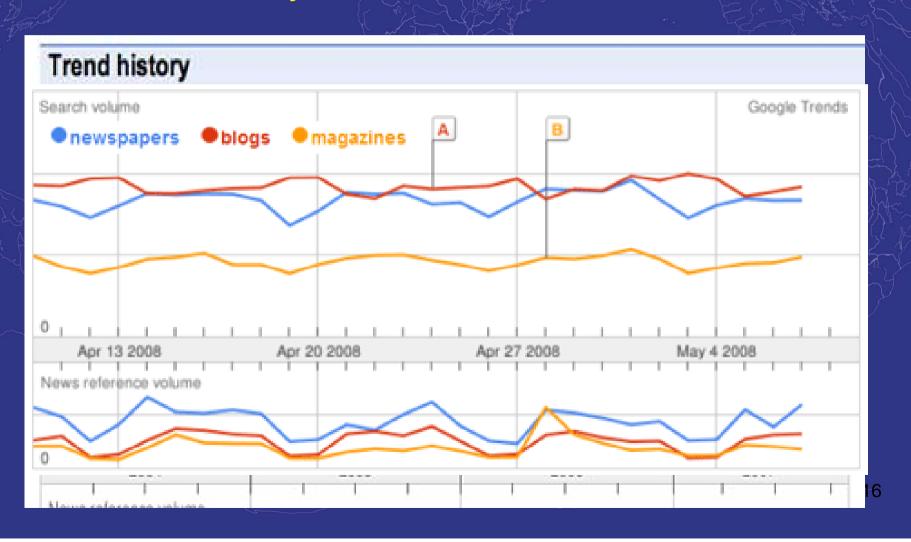
 Consumers are four times more likely to read local newspapers than blogs.



USC Media Myths and Realities *A Public of One*. USC Annenberg,
2008

Blogs vs. Newspapers

Search history



"A new blog is created every second of every day"



The NIOSH Science Blog



Department of Health and Human Services
Centers for Disease Control & Prevention

National Institute for Occupational Safety and Health

NIOSH Science Blog



Body Art

Body art.... This may seem like an odd topic for a science blog, but not when you consider the artists' risk of exposure to bloodborne pathogens. Body art is popular and growing with an estimated 16,000 body artists working in the U.S. today. Body art, which typically consists of tattoos and body piercings, is an art form where the artists' carivas is the human body.

When working on this unique medium, artists may come in contact with a client's blood if they are stuck with the needle that they are using on a client (or stuck with a used needle during disposal), or if the client's blood splashes into the eyes, nose, or mouth. Contact with another person's blood may expose workers to bloodborne pathogens such as hepatitis B virus, hepatitis C virus, or human immunodeficiency virus (HIV). These bloodborne pathogens can be dangerous and may cause permanent illness. If an artist gets one of these viruses, he or she may become ill and be unable to support his or her family. Also, since bloodborne pathogens can be spread through contact with blood and other bodily fluids such as semen and vaginal secretions, sexual partners could also be at risk of getting a bloodborne disease.

In the early 1990s as the body art industry grew, professional associations were formed to promote better business practices in the industry and address safety and health issues. Because of concerns voiced by artists in the industry, NIOSH researchers visited several tattooing and piercing studios and found certain practices used in body piercing and tattooing could increase the chance of an artist coming in contact with blood. NIOSH met with many of the tattooing and piercing professional organizations, other government agencies, scientists and the artists themselves to learn more about body art work practices and what could be done to lower artists' chance of exposure to bloodborne diseases.

To lower exposure to blood, NIOSH recommends using safe work practices and staying informed about problems affecting body artists. Recommendations for protecting tattoo artists and body piercers from bloodborne pathogens can be found on the <u>NIOSH Body Art</u> web page. A few examples include:

NIOSH Science Blog

Home

Archive

Comment Policy

EAQ

Get Updates

Get e-mail updates

E-mail this page

RSS Feed

Subscribe to NIOSH eNews

Recent Posts

3/3/08—Training Videos for Miners How do you take miners miles below ground to teach them how to protect themselves...

2/19/08-Contingent Workers

The use of part-time, temporary, and contract workers has risen dramatically.

2/4/08-Body Art

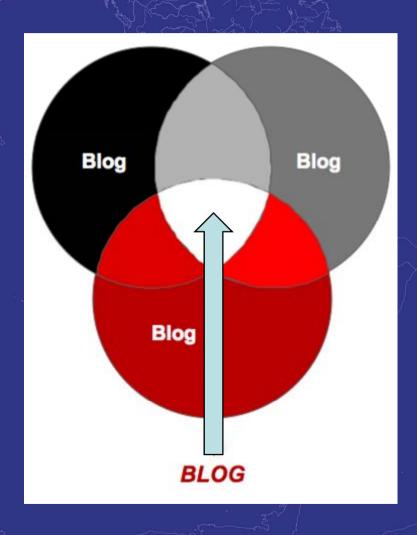
Artists may come in contact with a client's blood if they are stuck with the needle that they are using on a client...

1/22/08—NIOSH Dose Reconstruction Program

Dose reconstruction is a scientifically complex process. In fact, the entire Compensation Program involves many challenging issues.

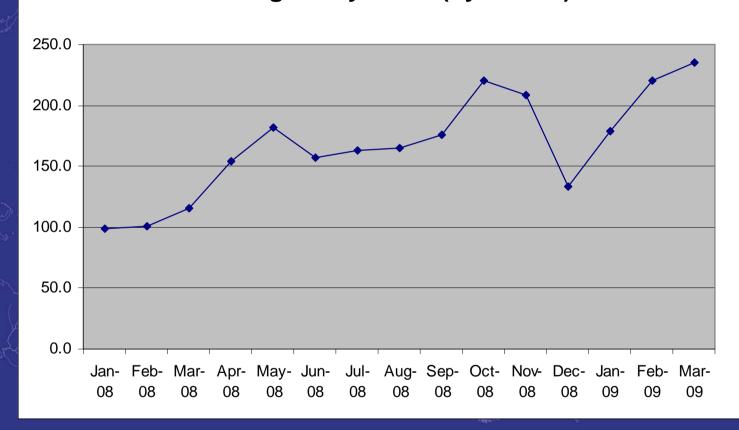
01/07/08—Talking Safety Youth @ Work Few would argue that most work provides numerous benefits for young

Other Blogs Recognize Your Blog



Growth Trend

Average daily visits (by month)



Blogs are Conversations 784 comments-265 replies



Blogs Help Us:

- Link our science with a "product" driving readers to our website
- Attract links from other bloggers, sites
- Provide regular, fresh and relevant scientific information and elicit rapid feedback

Social Networking Sites are not Just for Kids

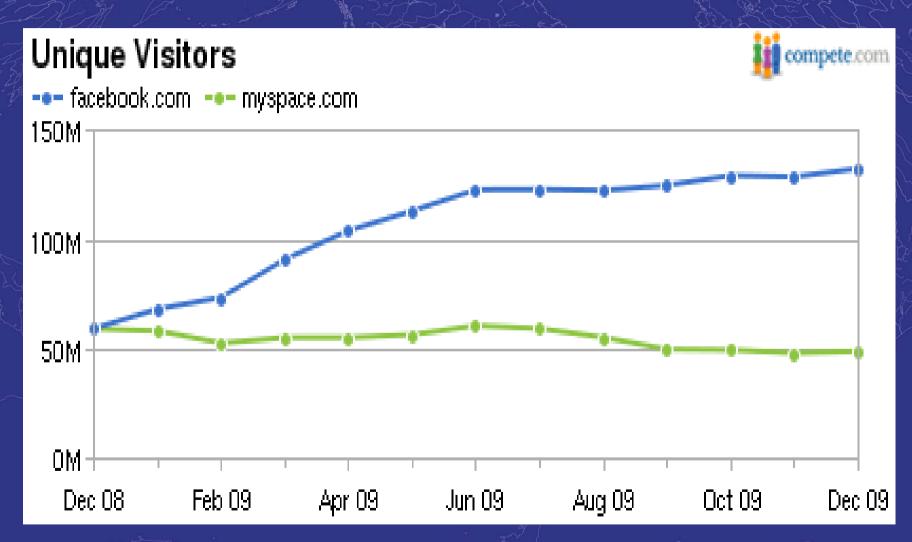
 The study reveals that older demographic groups are participating in online social networks in growing numbers. More than 30 million mothers are online (US) and 70 percent visit social networking sites.

USC Media Myths and Realities A Public of One. USC Annenberg, 2008





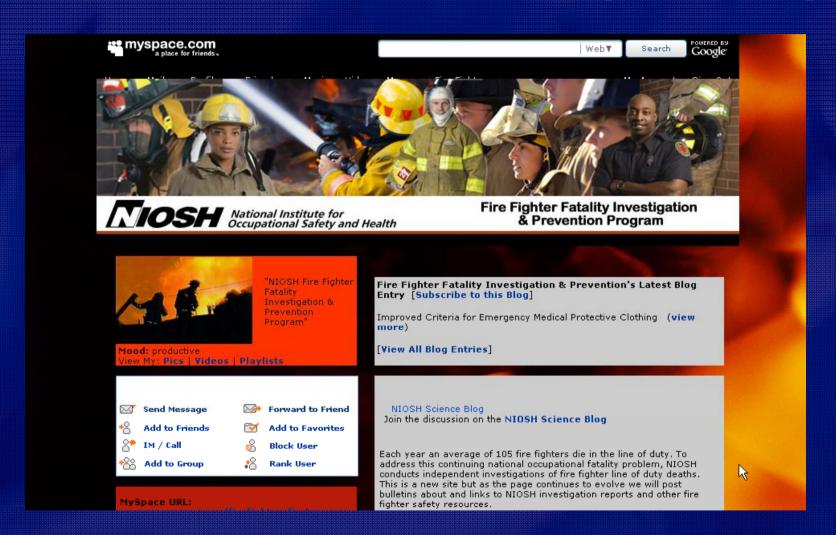
Facebook vs. Myspace



Myspace is a Social Media Solution



NIOSH Myspace Fire Fighter Page



MyspaceFF Business Card

NIOSH FIRE FIGHTER FATALITY INVESTIGATION & PREVENTION PROGRAM









www.cdc.gov/niosh/fire

Sponsored by Abbott Laboratories



Reinforce the value of the laboratory professional in the eyes of the health care system and the general public.

Address the issues that labs face today, from laboratory science program closings to reimbursement coding complexities.

Serve as a community that encourages sharing experiences, insight and ideas for improving the laboratory profession and the lives of those who practice

Social Network Affiliated with J&J

Social Network

4276 people and 3003 children from all 50 US states and 82 countries.

Over 10,000 Visitors of Day

Chat Rooms

Forums

Over 500,000 posts
Upcoming Activities & Events
E.g Family Support Weekend In
Marco Island Marriot Resort

Diabetes Team

Answer your personal questions

Care Suggestions School

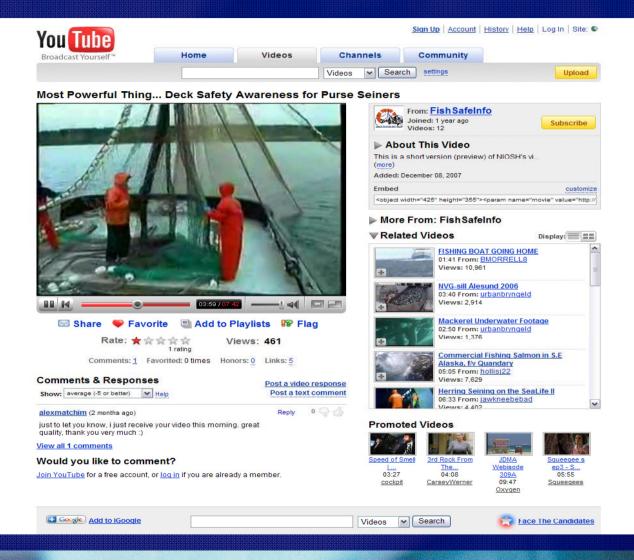
In the News



MySpace Helps us:

- Provide and receive information to a target community and receive input
- Assist with networking with a hard to reach community
- Drives traffic to our research (Web Site)

YouTube is a Social Media Solution



GlaxoSmithKline Video

Humorous YouTube video designed to raise awareness of restless leg syndrome.

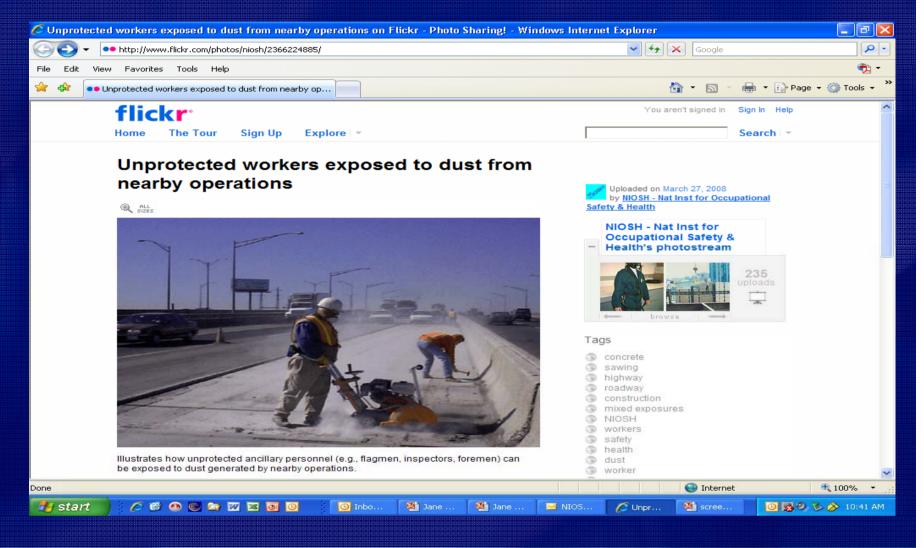
241,483 Views

Viewers also leave comments, and talk to each other on the video page.

11 Other Videos On Youtube



Flickr is a Social Media Solution



YouTube and Flickr Helps Us:

- Encourage conversations
- Provide educational information
- Evaluate our products
- Share visual media with safety themes

The Free Open Source Encylopedia

WikipediA

7目

English

The Free Encyclopedia 2 308 000+ articles

French Français

L'encyclopédie libre 640 000+ articles

Japanese 百科事典 480 000+記事

Nederlands

De vrije encyclopedie 424 000+ artikelen

> Español Spanish La enciclopedia libre 346 000+ articulos

Deutsch

Die freie Enzyklopädie 729 000+ Artikel

German

Polski

Polish Wolna encyklopedia 484 000+ hasel

Italiano

L'enciclopedia libera 433 000+ voci

Português

A enciclopédia livre Portuguese 368 000+ artigos

Svenska

Den fria encyklopedin Swedish 281 000+ artiklar

10

Wikipedia Overview

- Wikipedia allows anyone with a computer to create articles or edit content
- The "community" regulates content, often vigilantly
- Articles contain external links in the form of citations and links

Wikipedia accounts for a staggering one out of 180-200 page visits to the Internet



ROPS on Wikipedia



navigation

- Main Page
- Contents
- Featured content
- Current events
- Random article

interaction

- About Wikipedia
- Community portal
- Recent changes
- Contact Wikipedia
- Donate to Wikipedia
- = Help

search

Search

toolbox

- Whatlinkshere
- Related changes
- Upload file
- Special pages
- Printable version
- Permanent link
- Cite this page

languages

= Deutsch

discussion

editthis page history

Roll over protection structure

From Wikipedia, the free encyclopedia (Redirected from ROPS)

For the Belgian artist, see Félicien Rops,

Roll Over Protection Structure (ROPS) refers to operator compartment structures (usually cabs or frames) intended to protect equipment operator

Commonly found on heavy equipment (i.e. tractors) used in construction and agriculture. ROPS structures are defined by various regulatory agencies. both a strength requirement as well as an energy absorption requirement of the structure. Some dump trucks add a protrusion to their boxes that cove

In the US, ROPS designs have to be certified by a Professional Engineer, who will normally require a destructive test. The structure will be tested at a satisfactory low temperature performance

The National Institute for Occupational Safety and Health (USA) believes that ROPS and proper seatbelt use on tractors can eliminate nearly all fataliti the tractor during the overturn, and thus left unprotected by the ROPS).

Some tractor operators have raised concerns about using ROPS in low-clearance environments, such as in orchards and buildings. In response, NIO lowered position until a rollover condition is determined, at which time it deploys to a fully extended and locked position. It is currently working with man Some automobile models have begun to adopt the phrase, substituting system for structure in the ROPS acronym, notably the Volvo C70 convertible hidden behind the rear seats that will pop up in the case of a roll-over to protect the occupants. If the roof is up, the system will still work, in effect shatter

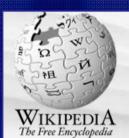
References

- * See OSHA Roll-Over Protective Structures, Direct Final Rule. de
- See National Institute for Occupational Safety and Health (US) NIOSH Program Portfolio. Traumatic Injury. Selected Research-to-Practice
- * National Agricultural Safety Database(USA) PSA Radio Script Roll-over Protection Structures]
- National Institute for Occupational Safety and Health (US) NIOSH Program Portfolio: Traumatic Injury. Selected Research-to-Practice Efficiency.

See also

- Active Rollover Protection
- FOPS
- Gyroscope
- Roll cage
- = SIPS
- = TOPS

Collaborating in the Public Space? Global Road Safety on Wikipedia



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Go Search

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article

discussion

edit this page

history

Log in / create account

Global road safety for workers

From Wikipedia, the free encyclopedia

Global road safety for workers refers to the economic, societal, and legal ramifications of protecting workers from automobile-related injury, disability, and death. Road traffic crashes are a leading cause of occupational fatalities throughout the world, especially in developing countries. In addition to the suffering of the workers and their families, businesses and society also bear direct and indirect costs. These include increased insurance premiums, the threat of litigation, loss of an employee, and destruction of property.

Contents [hide]

- 1 Background
- 2 Institutional efforts
- 3 Intervention models
 - 3.1 WIPE model
 - 3.2 Stuckey-LaMontagne model
 - 3.3 Mooren model
- 4 See also
- 5 References

Background

[edit]

Road crashes worldwide kill over a million people every year and cost as much as 3% of global gross domestic product (GDP). [4] Around the world, it is estimated that work-related incidents make up 25% the road toll (50% if commuting is included). [5] Because rapid motorization generally accompanies economic development, a large percentage of occupational automobile crashes occur in low and middle-income countries. [4] Workers

Road Safety-Add Your Ideas

Institutional efforts

Efforts to protect workers on the road have been undertaken by international organizations such as the United Nations, World Health Organization, World Bank, and International Labour Organization. The WHO coordinates the United Nations Road Safety Collaboration, an effort drawing together government, business, and non-government organizations.^[7]

Organizations such as the Global Road Safety Partnership (GRSP) and the Fleet Forum focus on safety in lower- and middle-income nations. They coordinate efforts among local and national governments and businesses. [8][9] Organizations such as Driving for Better Business advocate change by outlining the business benefits of improved road safety for workers. [10] The Make Roads Safe campaign, funded by the UK's FIA Foundation, seeks to influence policies, budgets, and agendas at organizations such as the UN, World Bank, and G8, and to raise public and political awareness for global road safety. [11]

Intervention models [edit]

WIPE model [edit

Developed at the Centre for Accident Research and Road Safety – Queensland (CARRS-Q), the WIPE model seeks to identify the societal, business, legal, and financial reasons to focus on occupational road safety. The acronym WIPE stands for Why focus on fleet safety? Initial and continuing status review; Pilot, implement and change manage interventions; Evaluation. The WIPE model assumes that managers will write a business case focusing on the cost savings of protecting workers; perform a safety audit of their organization; launch a pilot program related to personnel training or vehicle improvements; and evaluate the outcomes of the pilot, demonstrating its impact. [12][13][14]

Stuckey-LaMontagne model [edit]

Australians Rwth Stuckey and A.D. LaMontagne advanced a similar systems-based approach. It focuses on the impact of occupational light vehicles (OLV) as a leading cause of traumatic deaths. Their model presents the worker as the locus of injury at the center of work- and road-related determinants of risk. The model sets occupational road safety in the wider policy and societal framework. [15][16]

Mooren model [edit]

Australian researcher Lori Mooren developed a 10-step process model with which organizations can perform gap analyses, establish benchmarks, host fleet safety improvement workshops, and develop fleet safety manuals and improvement programs. A number of businesses and government entities have reviewed their management practices against the model, including Johnson & Johnson, ALDI Stores, Toyota Australia, Brisbane City Council, and TNT Malaysia. [17][18]

See also [edit]

How are we Going to Measure?



Measurement: Exposure Comparison of Hits on Wikipedia and the NIOSH Web

NIOSH page	Views	Equivalent Wiki article	Views
NIOSH home	81,639	NIOSH	2,627
Fire Fighter Fatality	13,826	Firefighter	31,842
Ergonomics & MSD	10,839	Ergonomics	69,664
Bloodborne Infectious Disease	9,384	Blood-borne disease	3,081
Stress at Work	9,219	Workplace stress	5,519
Chemical Safety	3,889	Chemical substance	16,900
Respirators	3,883	Respirator	7,329
NPPTL Lab Site	2,742	Personal protective equipment	14,034

Measurement: Click-throughs

- A "click-through" occurs when a user clicks an outside link and lands on NIOSH content
- The Wikipedia articles driving the most traffic to NIOSH tend to have high view rates themselves
- Wikipedia hosts over 700 links to NIOSH

Measurement: The Niche Areas

 The Wiki articles that drive traffic most efficiently, however, tend to address niche areas for NIOSH

Wikipedia Niche Market is Important

NUMBER OF UNITS

NICHE PRODUCTS ON THE LONG, TAIL-END OF THE DEMAND CURVE OFTEN ADD UP TO A SUBSTANTIAL MARKET.

TYPE OF PRODUCT

The NIOSH Key Niche Market

NIOSH Page	% of traffic from Wikipedia
RTECS: p - Phenylenediamine	81.82%
ERSH database: ETHYLENE GLYCOL	73.48%
ICSC: CHLORAMINE-T	67.50%
Pocket Guide: 1,2-Dichloroethylene	60.71%
ERSH database: FENTANYL	57.95%
ICSC: ZINC SULFATE	57.69%
ERSH database: COLCHICINE	53.16%
Pocket Guide: Aluminum	51.32%
	46
	Nos

Top Recipients of Wikipedia traffic

 Isocyanates 	4,384
• NIOSH home page	3,693
 Respirator fact sheet 	1,685
 Dutch International Chemical 	1,544
Safety Cards	
 Confined spaces 	1,552
 NPPTL Respirators 	1,303
 Stress at work 	1.171

Wikipedia Helps Us:

- Market our research products
- Identify new audiences and partners
- Enable user generated content
- Drive audiences to our research (Web site). Over 215,000 visitors annually

Twitter.

Twitter matters because of what it is: at its heart, a platform that offers an exchange of ideas and information on an unprecedented scale.



Twitter

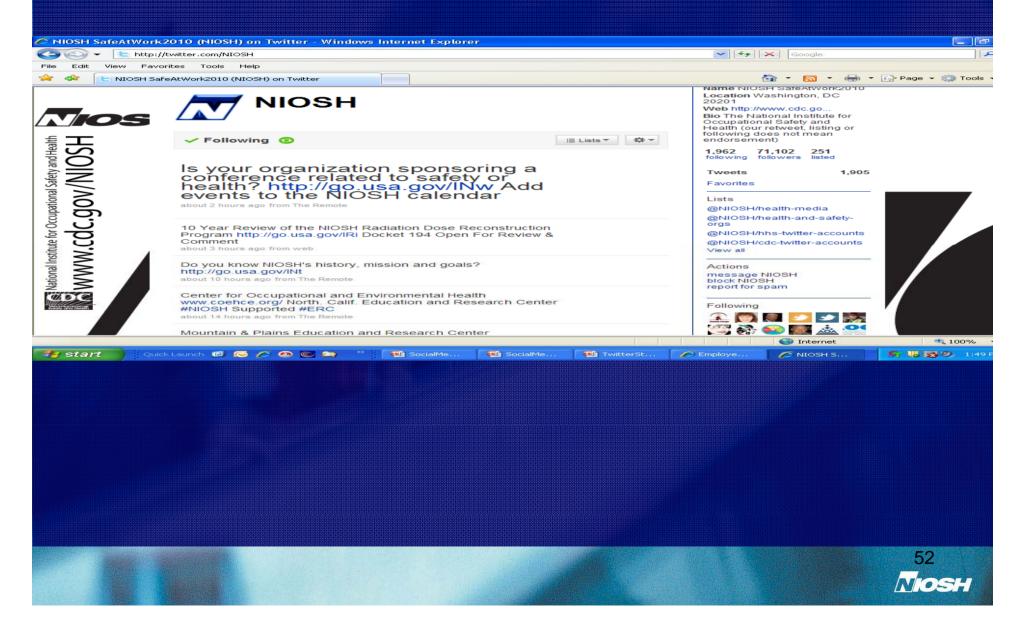


A mini-blog 140 character limit It's Mobile Followers are key

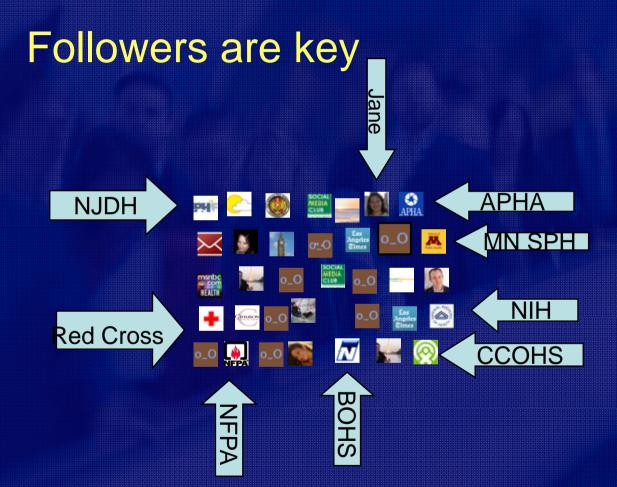
Twitter...What's it Good For?

- public libraries (Cahill 2009, Cuddy 2009)
- health community (Berger 2009)
- political campaigns (Cetina 2009, Henneburg et al 2009)
- business (Dudley 2009; Power and Forte 2008)
- journalism (Ettama 2009)
- civil unrest and protests (Fahmi 2009)
- social activism (Galer-Unti 2009)
- live coverage of events (Gay et al 2009)
- eyewitness accounts (Lariscy et al 2009)
- government (Macintosh 2009)
- education (Parslow 2009).
- emergency response (CDC, 2009)

The NIOSH Twitter Site

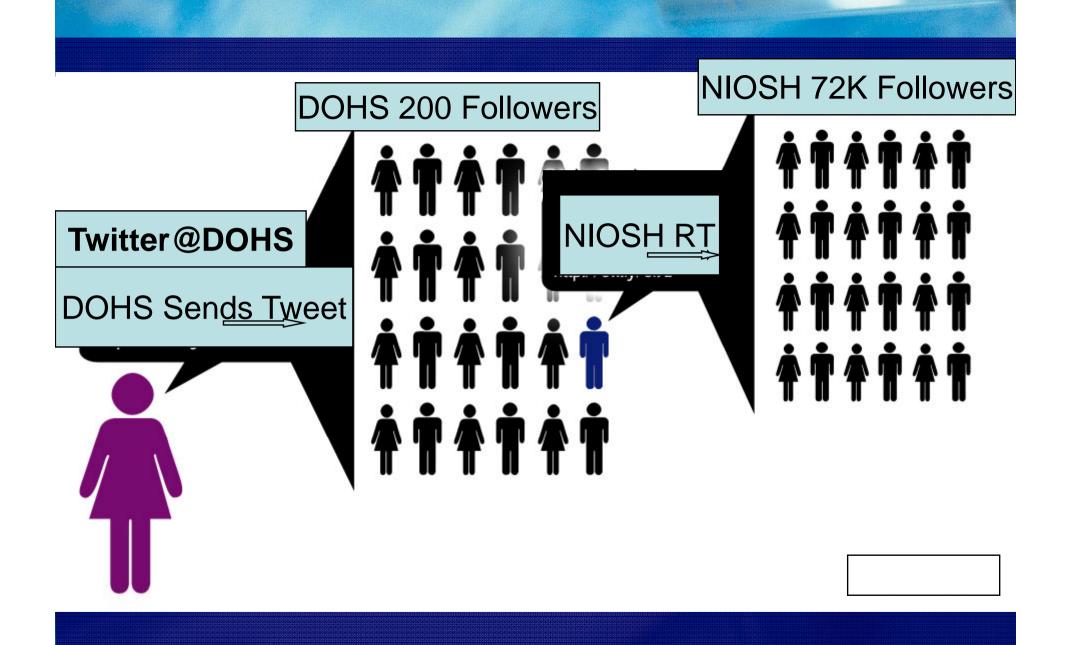


Twitter Followers



Twitter

Re-Tweets change everything.





Theory and Ideology

Useful versus Enjoyable

- Bohme (2006) outlines a propensity of society to classify technology of all forms into
 - "useful and therefore valuable"
 - "enjoyable, therefore irrelevant".

A Word of Caution

Addiction to Bright Shiny Objects



Web 2.0 The Mother of all Bright Shiny Objects



Symptoms of BSO syndrome

- Overuse of buzzwords
- An insatiable desire to use the latest tool
- A tendency to dismiss without investigating
- Excess use of the word "viral"
- Lack of interest in metrics and research
- Total disregard for the customer



Social Media: The Benefits

- Get cost-effective marketing through a channels that lets you better target partners and customers.
- Tap into the ultimate global resource and get honest, current insight on topics ranging from current safety and health research to best practices
- Forge vital connections, reaffirm and engage new partners in the global environment
- Use the strengths of networking to market your products and safe practices for understanding, application, and compliance

Thank You...

Follow us on Twitter: Twitter.com/NIOSH

