

# Risk Assessment

Martin O'Dea





# Understanding risk

## Tragedy on building site

By Damian McCarney  
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A moving tribute to a Limerick motorist enthusiast, who died after a freak accident on a building site, has been posted on the internet by his friends.

A 23-year-old mechanic, died while working at a building site at Adamstown in West Dublin last Monday. It is understood that he had been in a dumper truck when the incident occurred. The short video tribute footage of the death on 2nd December last has 147 views.

### Construction worker killed in dumper truck accident

A construction worker has died in an accident on the site of a new M3 motorway at Co. Meath.

A 44-year-old man, who was a pipefitter from Co. Wick, was killed when a dumper truck he was operating overturned on to him.

The man was a native of the area and was a well-known figure in the community.

The Health and Safety Authority is investigating the cause of the accident.

The man's family has been notified of the death.

The man was a well-known figure in the community.

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## Investigation M3 site fatal

HEALTH and Safety Authority

co. Longford pipefitter

Investigation M3 site fatal

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## Site foreman fined after

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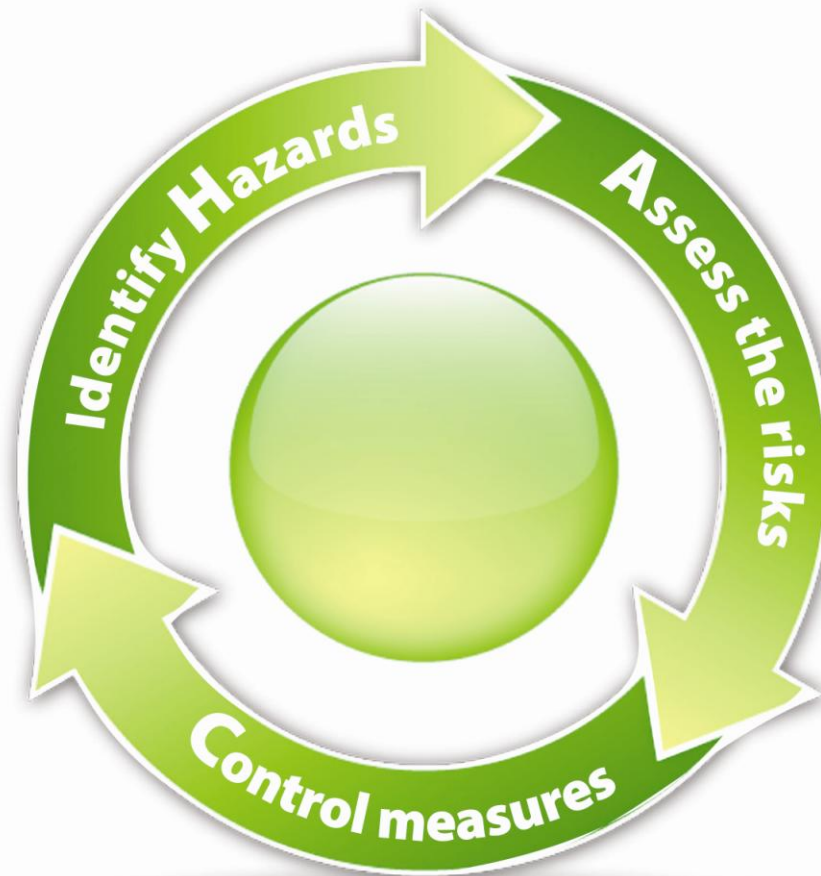
safety breach

safety breach

- Look at what can hurt you or your workers;
- Decide what you are going to do;
- Write down what you are going to do;
- Tell your workers;
- Do it!



# RA - 3 Step Process





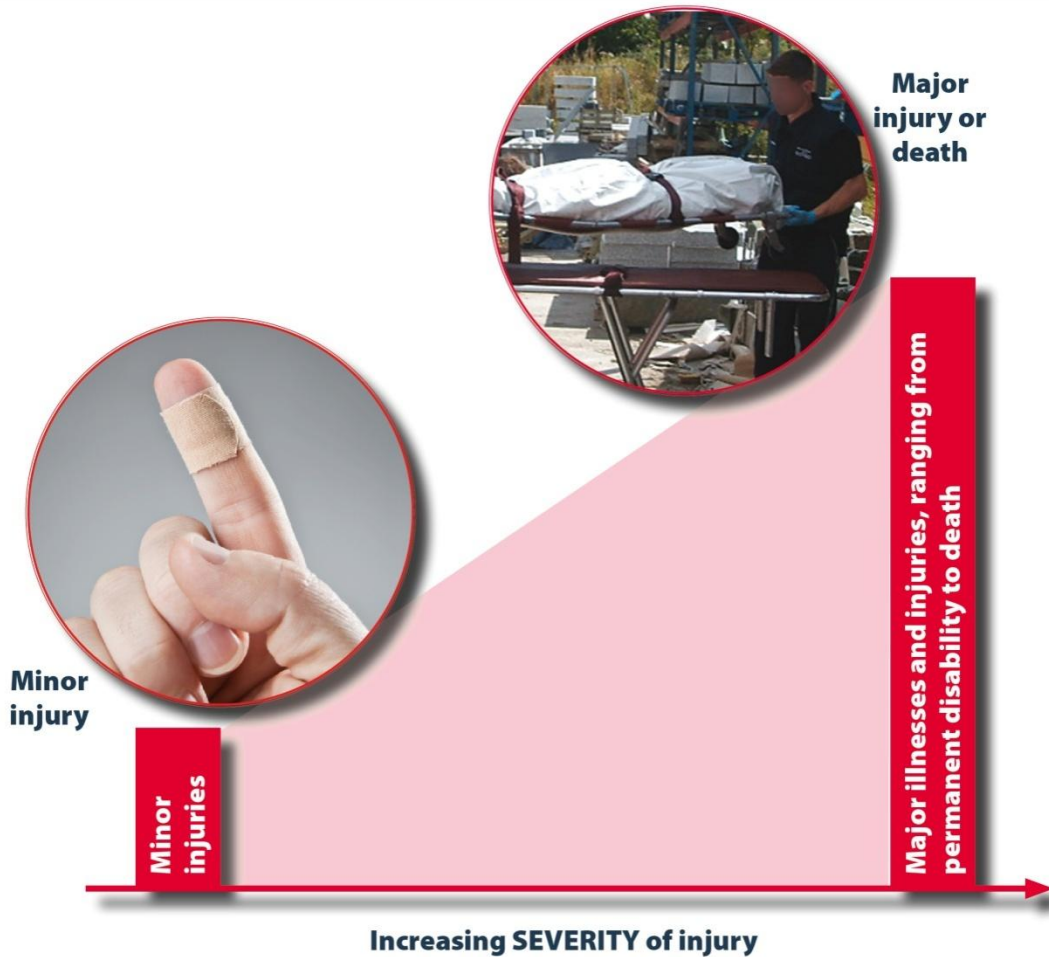
# Assessing Risk & Implementing appropriate Controls

- Consider
  1. Severity
  2. Likelihood





# Severity





# Common Hazard – Transport

Risk – variety of injury including crushing and death

## What is the likelihood?

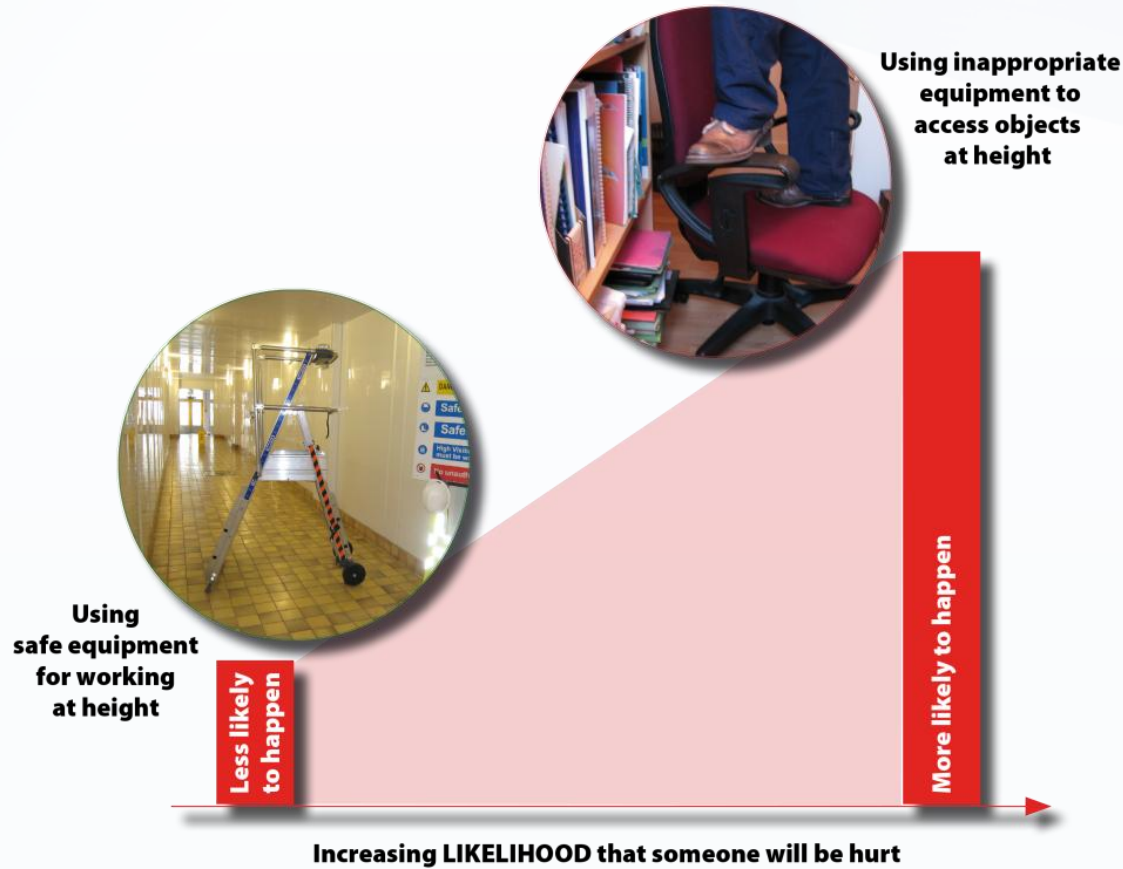




# Common Hazard – Work at Height

Risk – injuries including fractures, head injuries and death

## What is the likelihood?





# Common Hazard – Manual Handling

Risk – musculo skeletal injuries

## What is the likelihood?



Lifting loads incorrectly



Using mechanical aids for heavy loads

Less likely to happen

More likely to happen

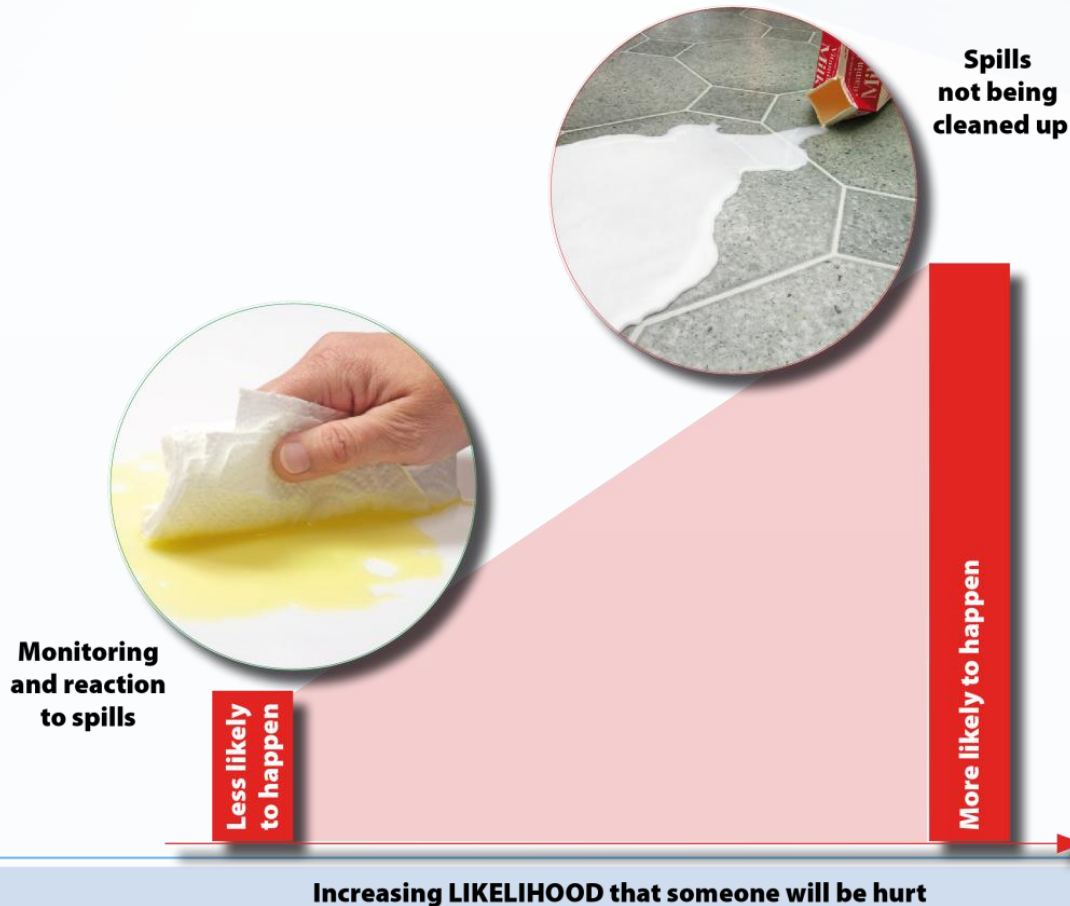
Increasing LIKELIHOOD that someone will be hurt



# Common Hazard – Slips, Trips & Falls

Risk – variety of injuries esp fracture injuries

## What is the likelihood?

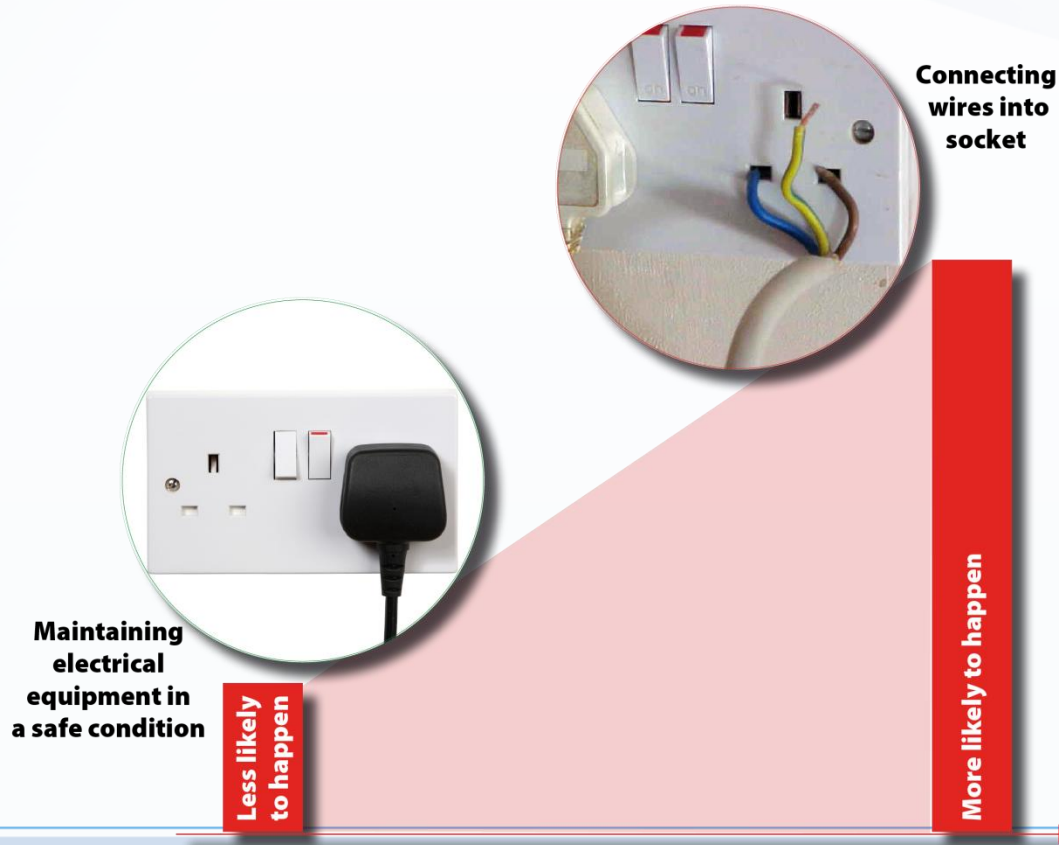




# Common Hazard – Electricity

## Risk – burns, electrocution etc

### What is the likelihood?



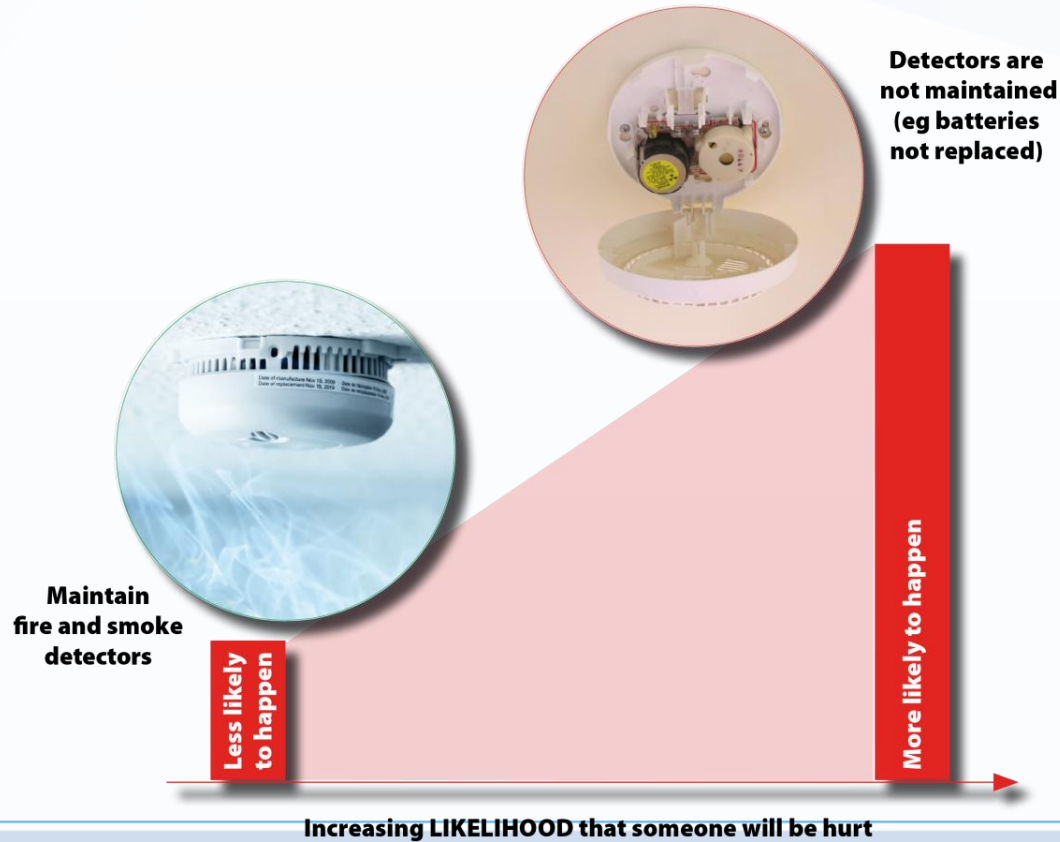
Increasing LIKELIHOOD that someone will be hurt



# Common Hazard – Fire

Risk – smoke inhalation, burns etc

## What is the likelihood?

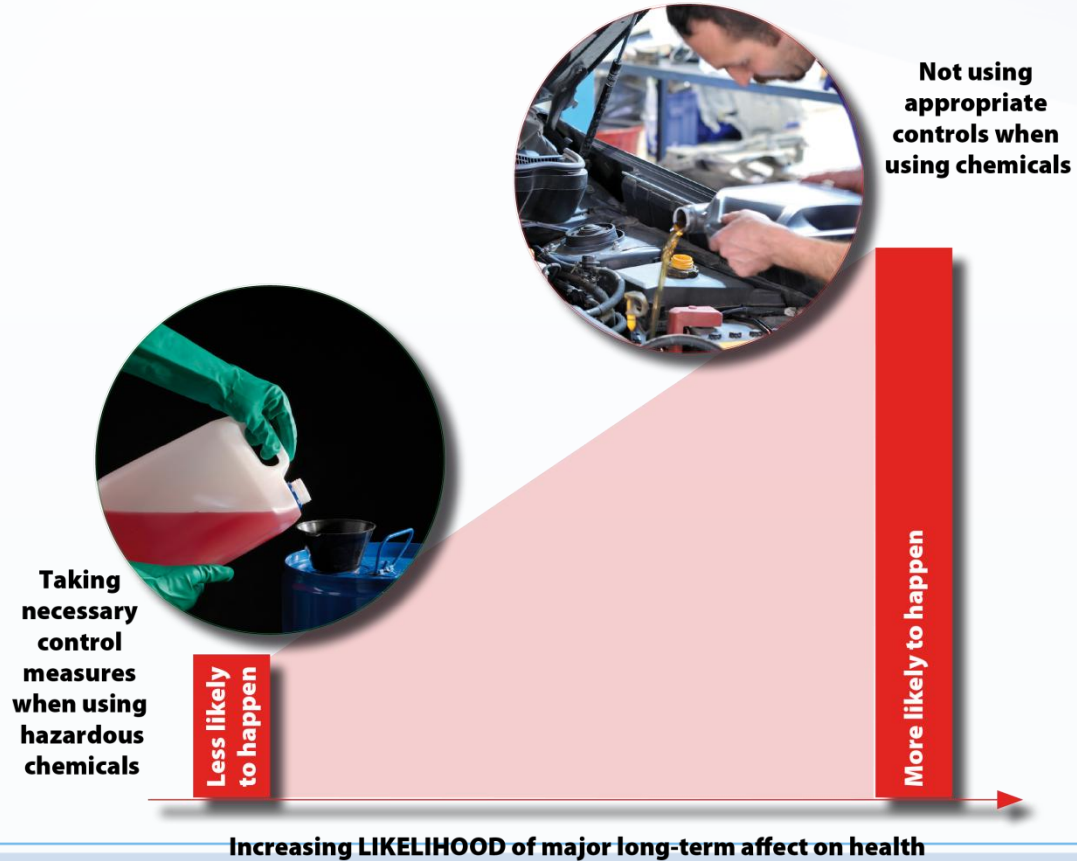




# Common Hazard – Chemicals

Risk – fire, explosion, eye/ skin irritation, cancer, ill health etc

## What is the likelihood?





# Common Hazard – Display Screen Equip

Risk – strain/ fatigue - neck, back, shoulder, arm, eye

## What is the likelihood?



**Cluttered workstation, poor layout and incorrect equipment**



**Good ergonomic workstation with adjustable chair**

**Less likely to happen**

**More likely to happen**

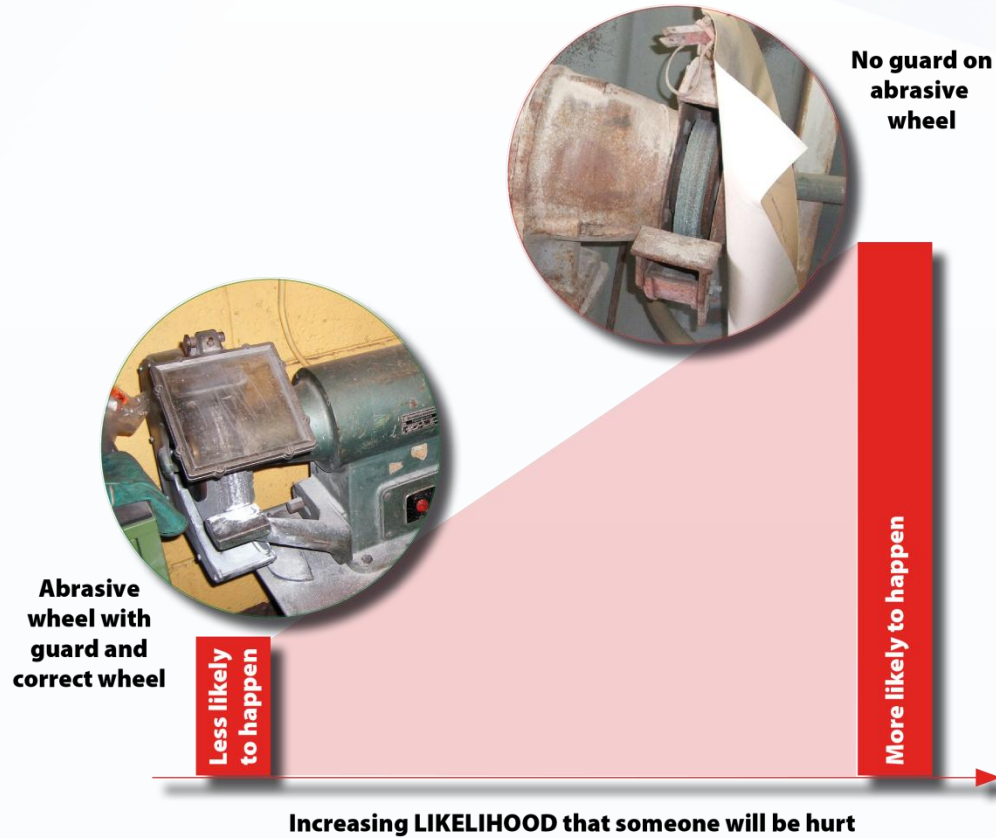
Increasing LIKELIHOOD that someone will be hurt



# Common Hazard – Maintenance

Risk – cuts, lacerations, eye injuries, amputations etc

## What is the likelihood?





# Risk Assessment – Small Business Supports

BeSmart - <http://besmart.hsa.ie>

- Retail

- Hospitality

- Services

- Manufacturing

Construction

- SSWPs – [www.hsa.ie](http://www.hsa.ie)

- Code of Practice 3 or less – [www.hsa.ie](http://www.hsa.ie)

- SMP20 – [www.csponline.ie](http://www.csponline.ie)



# Be Smart - Registration



Registered User

### User Login

If you have already registered a user account please log in here. Otherwise, please click on the "New User" tab below and complete the brief registration process.

### New User

Registering as a new user will enable you to save your work as you progress through the tool at your own pace.

### Guest User Account

Please click here to enter the tool as a guest user.



Guest User



### Taking Care of Business

The Health & Safety Authority welcomes you to BeSMART, part of the Taking Care of Business initiative developed for small business. This tool will help you to identify the hazards in your workplace and will aid you in making your workplace safer.

This guided step-by-step process will assist you in generating your own risk assessment and safety statement, in consultation with your employees, as required under health and safety law. Best of all, there is no cost associated with using this tool.

Please take a minute to click on our short animated video that will give you a brief overview of what's involved.



Email

Password

Remember Me

[Forgotten your login details ?](#)





# Select your Business Type

Select your Business Type here by typing in the free text box OR type a question mark to get the full list of business types available

**HEALTH AND SAFETY AUTHORITY**

cm

Logout Edit Profile Learn More

**TAKING CARE OF BUSINESS**

Risk Assessment Progress 0% Complete

Please select your business type below

Each business type has a number of associated hazards that are deemed to be common to that type of business.

Please select the business type that most closely matches your own. Type the ? symbol (question mark) to see a complete list of business types.

If you do not find a business type that is relevant to you [please let us know.](#)

Enter keywords in the input box below and select your business type.

No business types found matching your criteria.

Type the ? symbol (question mark) to see a complete list of business types.

Return To Dashboard Continue



# Hazard Screen to be Completed

**HEALTH AND SAFETY AUTHORITY**

cm Logout Edit Profile **Learn More**

TAKING CARE OF BUSINESS

Risk Assessment Progress 5% Complete

### Your Hazards

This screen shows the 12 hazards associated with your business.  
You have 12 hazards left to complete.

Display Screen Equipment ▶ START	Fire ▶ START	Maintenance ▶ START
Manual Handling ▶ START	Slips, Trips and Falls ▶ START	Work at Height ▶ START
Chemicals ▶ START	Electricity ▶ START	Workplace Transport ▶ START
Sharp Objects ▶ START	Loading/Unloading ▶ START	Office Equipment ▶ START

Return To Dashboard

#### Help

Completed hazards are indicated by a green box with a tick mark.

Hazard's that have not been attempted yet will say "Start" and hazard's that have been started but not completed will say "Continue".

You may re-visit any "Completed" hazard on this screen to review or change the information you have provided.

# Hazard Information

Risk Assessment Progress

5% Complete

**Hazard Name**

**Display Screen Equipment**

**Hazard Description**

Poor workstation set up, prolonged Display Screen Equipment (DSE) use and prolonged poor seating posture at DSE workstation can cause neck, back, shoulder or arm strain, eye strain or fatigue to your employees

Do your employees use computers or laptops in your workplace for 1 hour or more a day on a continuous basis?

**Answer Yes or No to the question if the hazard is applicable to your workplace**

YES

NO

Save & Exit

Save & Continue



# Control Assessment

**Indicate if the control is applicable to your workplace by clicking Yes or No**

Risk Assessment Progress 5% Complete

### Display Screen Equipment

Poor workstation set up, prolonged Display Screen Equipment (DSE) use and prolonged poor seating posture at DSE workstation can cause neck, back, shoulder or arm strain, eye strain or fatigue to your employees

**Do your employees use computers or laptops in your workplace for 1 hour or more a day on a continuous basis?**

*Please indicate if the following controls have been implemented in your workplace.*

An assessment of individual workstations is carried out	<input checked="" type="button" value="YES"/> <input type="button" value="NO"/> <input type="button" value="?"/>
Work tasks are varied to ensure that staff are not working at their computers for long periods of time	<input checked="" type="button" value="YES"/> <input type="button" value="NO"/> <input type="button" value="?"/>
Employees are given information and training on the hazards associated with computer use and the steps they can take to minimise the effect of these hazards	<input checked="" type="button" value="YES"/> <input type="button" value="NO"/> <input type="button" value="?"/>
Employees who use computers are made aware of their right to eye tests	<input checked="" type="button" value="YES"/> <input type="button" value="NO"/> <input type="button" value="?"/>

#### Help

A question mark indicates that there is more help available for that particular control, click on the question mark to access that help.

Text that is highlighted may have an image or phrase associated with it that will become visible when you hover your cursor over that text.



Generally the controls listed are in order of importance, with the most important first. However you may find a combination, of all or some of the controls is needed to eliminate or reduce the hazard to an acceptable level.

## Risk Assessment for Baby Shop


### My Risk Assessment

Please use the options below to view, print or download your safety statement and risk assessment document. You may also manage your action list here.


### Baby Shop

 [View Safety Statement Including Risk Assessment](#) [Manage Action List](#)

This allows you to assign an action to an individual and include a due date or close out an action once complete.

 [Download Safety Statement Including Risk Assessment \(PDF\)](#) [Download Safety Statement Including Risk Assessment \(RTF\)](#)

By downloading the Rich Text Format version of the document you will be able to make edits on your PC using applications like Microsoft Word or Google docs.

 [Print Safety Statement Including Risk Assessment](#)

Manage your  
risk  
assessments  
and safety  
statement

[Exit Management Screen](#)



# Safety Statement & Risk Assessments

## Safety Statement

of

Company:

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Address:

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Town:

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County:

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Prepared on: 14 February 2011

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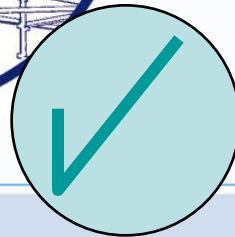
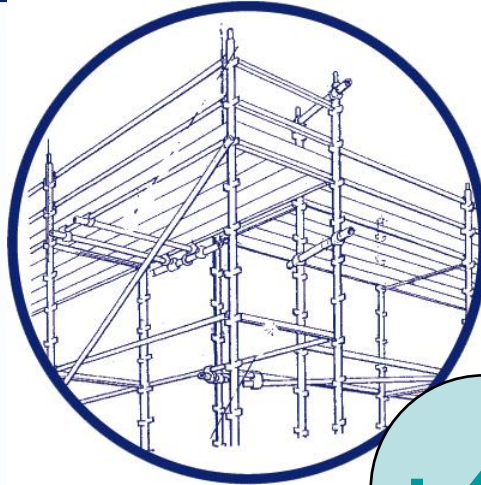
### Health & Safety Policy

I / We of \_\_\_\_\_ am / are committed to working in accordance with the provisions of the Safety, Health and Welfare at Work Act 2005 and other associated legislation. I / we are fulfilling our statutory obligations to manage and co-ordinate workplace safety and health and commit to as far as is reasonably practicable to ensuring that:

Work activities are managed so as to ensure the safety, health and welfare of my / our employees.  
Our Safety Statement is maintained, updated and written risk assessments are carried out and reviewed as required and brought to the attention of all employees at least annually.  
Identified protective and preventive measures are implemented and maintained.  
Improper conduct likely to put an employee's safety and health at risk is prevented.  
A safe place of work is provided, which is adequately designed and maintained.  
A safe means of access and egress is provided.  
Safe plant and equipment is provided.  
Safe systems of work are provided.



# Example 2: Roofwork





# Code of Practice for 3 or Less



## Construction Safety Code of Practice For Contractors with Three or Less Employees



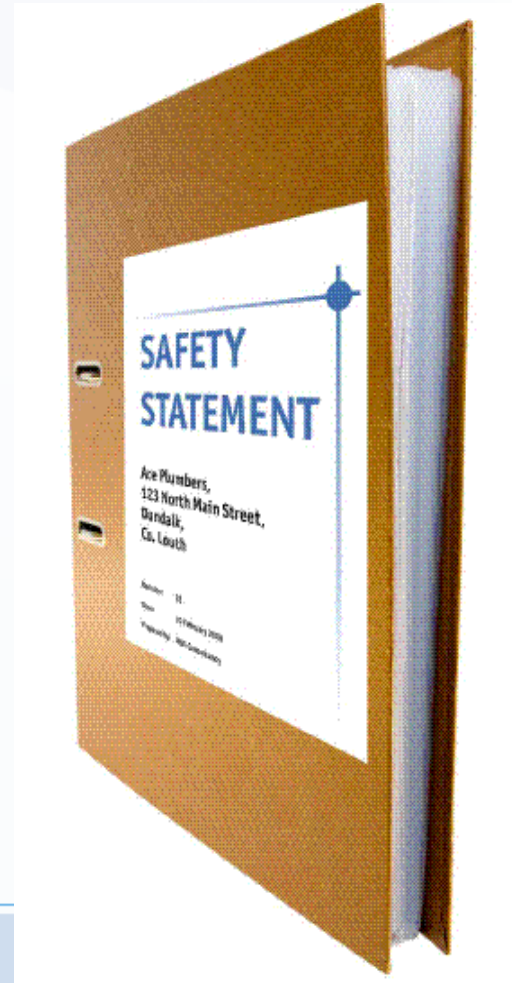
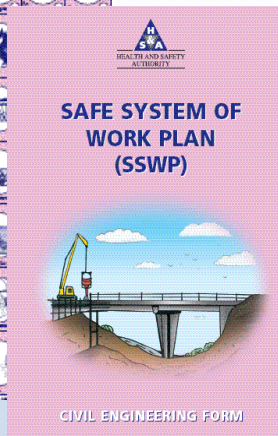
**SAFE SYSTEM OF WORK PLAN (SSWP)  
CONSTRUCTION FORM 5 (CIVIL ENGINEERING)** Plan No. \_\_\_\_\_

Job Details	Resources Required	Emergency Details
Employer Name: _____	Worker Skills: _____	Contact Names & Tel No.:
Supervisor/Lead Person: _____	_____	1. _____
Number of Workers: _____	_____	2. _____
Specific Location: _____	_____	3. _____
Description of Work: _____	Plant/Equipment: _____	First Aider: _____
Start Date: _____	Hazardous Materials: _____	Location of First Aid Box: _____
NOTE: A new SSWP must be completed when the task or the environment changes.		<b>WORK PERMITS REQUIRED</b>
		Hot _____ Electricity _____ Excavation _____
		Confined Space _____ Other _____

**Before Work Starts the following MUST be in place**

**SELECT HAZARD OR ACTIVITY** Tick the  box to identify controls required. Tick the  circle when control is in place.


=





# SMP20





# Risk assessment pictorials examples

## Guided example: Hand injuries

Burns



Crush injuries



2 Look at the consequences?



3 Protection



4 Preventing injury

Typically 15% of non-fatal injuries in the construction sector involve injuries to the fingers. A further 8% of non-fatal injuries involve injuries to the hand. You need to consider all levels of risk of harm; not just the high risk activities. Non-fatal injuries can have a lifelong debilitating effect - protect your employees!

1 How can I be hurt? (eg hazards)



Start here

Five steps, with pictures instead of words.



# Worked examples

## Risk assessment: Completed Example

(1 of 3; non-exhaustive)

Activity / what you are doing:

Date:

13 May 2009

Wooden flooring at first floor level at house number 36

Prepared by:

A. N. Other

<b>Identified Hazard</b> List the various factors that could result in harm to the persons carrying out the task and/or to other in the vicinity of the work activity.	<b>Risk Assessment</b> For example, Low, Medium, or High. Consider both the severity and the likelihood.	<b>Prevention / Control Measures to be used</b> For each hazard identified, list out the various control measures that are to be used to reduce and minimize the risk of the hazard resulting in harm to both the persons carrying out the work or others who are in the vicinity of the work activity.
Falls from height	High	4 meter ladder to be used for access. Securely tied at top. Angle 4 up 1 out. 1 meter above the landing point. In good condition, no damage. Ladder footed on firm level ground. Fit secure edge protection around stair well opening. Protection is complete with guard rail, intermediate rail and toe boards.
Falling debris	Medium	Material stored neatly and secured. Off cuts removed to waste skip. Hard hats to be used. Toe boards to be maintained at all edges where materials are stored.
Electrocution	High	Lighting and portable cutting tools to use 110V. All cabling and plug tops to be checked and any damaged components to be moved off site. Only defect free materials to be used. Generator to be stored outdoor - not to be used indoors.



# 4 to Remember

1. Take Care of Business – Carry out your 3 Step - Risk Assessment
2. BeSmart – Online RA for small business
3. SMP20 – Safety Management Pack for Contractors
4. SSWPs – pictogram RA aid for Construction