

Reported Accidents/Incidents 2011 - 2013

PAPER J

Statistics

Type	2011	2012	2013	2014	Total	
struck by/striking object	5	3	5	7	20	
slip/trip/fall	6	1	1	1	9	
manual handling injury	0	0	3	0	3	
crush injury	2	1	1	4	8	
needlestick	6	5	1	3	15	
cut/puncture	8	8	3	15	34	
uv/cryo burn	3	1	1	1	6	
burn/scald	5	5	1	3	14	
eye contamination/injury	5	1	1	0	7	
allergic reaction	3	6	1	5	15	
inhalation of chemical vapour	0	0	7	2	9	<i>not routinely reported until 2013</i>
chemical spill	8	8	8	14	38	
natural/compressed gas leak	1	2	0	0	3	
centrifuge incident	3	1	1	0	5	
biotage microwave reactor incident	0	0	5	0	5	<i>not routinely reported until 2013</i>
faint				6	6	<i>not included until 2014</i>
near miss	6	2	8	6	22	

Further Details on 2014 Statistics

struck by/striking object: most common: bumping head on wall mounted object

slip/trip/fall: just one trip, over box left in corridor

crush injury: most serious: arm caught in revolving door

needlestick: two involved chemically contaminated needle; one involved needle contaminated with screened human blood

cut/puncture: most common: cut from broken glassware

uv/cryo burn: one cryo burn while removing racks from -80

burn/scald: two microwave related; one from drying oven

allergic reaction: all reaction/suspected reaction to glove material

inhalation of chemical vapour: most serious: inhalation of fumes from xylene based paint used in CTIR atrium; 6 personnel reported symptoms, including watering eyes, burning sensation in throat, nausea, headache

chemical spill: nine onto a person; 1 onto floor; 4 onto work surface/equipment, including 32P spill in Hot Room and T. cruzi spill in a TC cabinet

faint: four undergraduates in SLSLT; two in research complex

near miss: some examples:

Heavy metal object fell through ceiling tiles into office; did not land on any of the occupants

Ingress of water from leaking autoclave into electrics of drying oven caused it too short out with a flash and loud bang;

no one in contact with oven or pool of water at the time

CL3 user culturing T.cruzi in cabinet when fan was not running; spotted by another member of staff

Further Details on 2011 to 2013 Statistics

struck by/striking object: most common: bumping head on furniture

slip/trip/fall: majority occurred outwith buildings; one indoor spilled resulted in serious ankle fracture

manual handling injury: all down to lifting heavy containers

crush injury: most common: finger caught in door hinge

needlestick: all but one incident involved needle contaminated with chemicals or microorganisms; no ill health caused

cut/puncture: most common: scalpel cut, followed by cut from broken glass

uv/cryo burn: UV burns sustained while using transilluminator; two liquid N2 and one -80 cryo burn

burn/scald: six from Bunsen Burner; three from heating block/mantle

eye contamination/injury: all would have been prevent if eye protection had been worn

allergic reaction: most common: reaction to glove material, despite move away from latex

inhalation of chemical vapour: does not include Vaccubrand incident; most are all one off exposures; four resulted in person feeling unwell

chemical spill: fifteen onto a person; eight onto floor/bench; 1 onto equipment

natural/compressed gas leak: Bunsen left on overnight unlit; perished tubing connected to Bunsen; perished tuning connected to CO2 incubator

centrifuge incident: no injuries to people but expensive equipment repairs

biotage microwave reactor incident: specific to JBC1; four vial breakages; one violent reaction causing release of DMSO vapours into lab

near miss: some examples:

5l culture bottle exploded in warm room; no one in room at the time

head blown off LN2 dispensing vessel narrowly missing Storeman's face

open Stanley knife left in lab coat pocket; discovered before anyone cut themselves

sharps protruding through side of Sharpsafes after autoclaving; spotted before anyone came into contact with them

syringe needle found in black bag waste; discovered before cleaners removed bag

strip light cover fell from the ceiling; no one under it at the time

autoclave fell from tail-lift of delivery van; no pedestrians or vehicles passing by at the time

gas lighter found in bag of waste destined for autoclave; discovered before autoclaving

two instances of chemicals delivered from supplier in unsafe condition; liquid/gas safely contained and no one exposed