

**A child eats
the GMO**

risk card

**Altered genes
in plants
cause allergy
or toxicity**

risk card

**Another
patient gets
infected via
donated blood**

risk card

**Accident while
moving the GMO
from A to B**

risk card

**Animals eat
GM-plant**

risk card

**Bad cleaning
habits**

risk card



**Cards
for
Biosafety**

risk card



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**Become
contaminated
with Pathogens**

risk card

**Broken
packaging**

risk card

**Casualness
and jokes**

risk card

**Birds eat from
GM-crops**

risk card

**Burglar steaks
results**

risk card

**Children in
the lab**

risk card



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**Coffee is spilt
over a table**

risk card

Contamination

risk card

**Cybersecurity
attack**

risk card

**Confusion over
instructions**

risk card

**Cultural
differences
causes
confusion**

risk card

**Damaged
safety clothes**

risk card



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**Dangerous
material falls
on the floor**

risk card

Desensitization

risk card

**Disturbance
of the soil
ecosystem
and related
food web**

risk card

Data leaks

risk card

**Dilemma on
publication
of results**

risk card

**Drain is not
connected after
renovation**

risk card



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Dual-use

risk card

Exposure of children to GMT cells across the placenta or via breast feeding

risk card

Eye contact with substance

risk card

During a fire alarm, someone stays in the lab

risk card

External guest gets a tour

risk card

Failure to comply with prevailing legislation

risk card



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**Fatigue
resulting in
sloppiness
and mistakes**

risk card

**Former
employee who
now works for
a competitor
enters lab with
working card**

risk card

**GM-crop field
is burnt by
protestors**

risk card

**Fire evacuation
drill during
critical phase
of experiment**

risk card

**Gene-transfer
by naked DNA
in waste water**

risk card

**GM-crops
are picked
and moved
to another
location**

risk card



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**GM-fungus
spreads to
other plants**

risk card

**GM-plant mixes
with other
plants and
naturalizes**

risk card

**GMO box
falls down**

risk card

**GM-pesticide
has effects
on non-target
organism**

risk card

**GM-plant turns
out to be toxic**

risk card

**GMO boxes
are mixed up**

risk card



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**GMO delivery is
delayed during
time critical
experiment**

risk card

GMO is stolen

risk card

**GMO spreads
during toilet
visit**

risk card

**GMO is delivered
on the wrong
address**

risk card

**GMO medication
has unforeseen
combination
effects
with other
medication**

risk card

**GMO spreads
to visitors**

risk card



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**GMO used for
bioremediation
is over effective
and causes
damage**

risk card

Health risk

risk card

High workload

risk card

**GMOs are
disposed with
normal garbage**

risk card

**Heavy smoke
development in
a fume hood**

risk card

**Horizontal
gene transfer
with damaging
effects on
non-target
organisms**

risk card



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Humans making mistakes

risk card

Insects spread GM-pollen

risk card

Investigative journalist visits

risk card

Information becomes lost

risk card

Instrument incorrectly adjusted

risk card

Lack of protective gear

risk card



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**Language
barrier causes
confusion**

risk card

**Medicated
patient
disappears**

risk card

Misinformaion

risk card

**Malfunctioning
fume hood**

risk card

**Medicated
patient stops
cooperation**

risk card

**Misuse of
sensitive
information,
high-risk
equipment
and facilities**

risk card



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**Non-identifiable
(spilled)
solution on floor**

risk card

**Not possible
to see facial
reactions**

risk card

**Off-target
effects when
using CRISPR
- Verkeerde
genen
aangepast
met CRISPR**

risk card

**Non-labelled
containers on
workbench**

risk card

**Not wearing
a personal
protective gown**

risk card

**Overdose of
GMO medication
administered**

risk card



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**Pharmaceutical
representatives
in the lab**

risk card

**Protestor
vandalization**

risk card

**Reputation
damage and
operational risk**

risk card

**Power outage
causing
ventilation
to stop**

risk card

**Reintroduction
of extinct
animals**

risk card

**Resistances
transferred
to non-target
organisms**

risk card



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**Rotating
work places**

risk card

**Sensitive
information
potentially
accessible to
unauthorised
people**

risk card

**Someone
does not
follow safety
procedures**

risk card

**Safety
transport with
commercial
carrier**

risk card

**Severe side
effects of GMO
medication**

risk card

**Someone does
not follow
the rules**

risk card



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**Someone is
pricked by a
needle possibly
contaminated
with a GMO**

risk card

**Someone
stumbles**

risk card

**Someone
used wrong
materials and/
or substances**

risk card

**Someone lost a
GMO test tube**

risk card

**Someone
suddenly
turns very ill**

risk card

**Something
breaks inside
a box**

risk card



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**Test animal
escapes that
was just
injected**

risk card

**Time
constraints**

risk card

**Two substances
are swapped in
an experiment**

risk card

**The gene drive
spreads to
non-target
populations**

risk card

**Tourist interact
with GM-plants**

risk card

**Typing error in
dosage of GMO**

risk card



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**Typing error
in dosis**

risk card

**Unclear who
could have
provide
information**

risk card

**Undesirable
contact of GMO
medicated
patient with
others**

risk card

**Unclear what
types of
hazardous
materials were
present**

risk card

**Uncontrolled
gene drives**

risk card

**Unexpected
side effects
of stacking
gene edits**

risk card



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**Unforeseen high
temperatures**

risk card

Untied hair

risk card

**Virus
transmissions
(e.g., Hep. B)**

risk card

**Unforeseen
weather
conditions**

risk card

**Unwanted
epigenetical
effects**

risk card

**Visitors/
patients have
access to the
laboratory**

risk card



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**Wearing
Flip-Flops**

risk card

**Wrong label
on test tube**

risk card

**Wrong protocol
for safety
clothing
(personal
protective
equipment)
is chosen**

risk card

**Wearing shorts
in summer**

risk card

**Wrong labelling
of patient data**

risk card

**Wrong safety
clothing
(personal
protective
equipment) is
being used**

risk card



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