**Hospital –**

**Self-caused Ignorance**

Dr Smith works as doctor in a local hospital. Dr Smith often administers her patients the blood-thinning drug “Sanguin” in order to prevent thrombosis and blood clots. Normally, blood-thinning drugs do not cause any side effects with certain blood types.

The hospital has recently started to order an additional blood-thinning drug, “Corus”, that is cheaper than “Sanguin”. “Corus” is as effective as “Sanguin”, but has one side effect. It causes mild leg cramps in patients with blood type ‘B-negative’

The pharmacy manager has sent an e-mail with information about the new blood-thinning drug “Corus” to all doctors in the hospital. The e-mail contains the information that the new drug will cause mild leg cramps in patients with blood type ‘B-negative’.

The e-mail service provider of Dr Smith has recently upgraded its e-mail service. Because of the upgrade, the new interface looks more organised. Dr Smith checked her inbox and saw the e-mail of the pharmacy manager, but did not read it.

As a result, Dr Smith does not know that "Corus" causes mild leg cramps in patients with blood type 'B-negative.'

[The outcome is always the same: the ignorant agent causing the outcome unknowingly --- I am only including the main aspects of the scenarios here]

**Externally caused Ignorance**

Dr Jones works as doctor in a local hospital. Dr Jones often administers her patients the blood-thinning drug “Heparine” in order to prevent thrombosis and blood clots. Normally, blood-thinning drugs do not cause any side effects with certain blood types.

The hospital has recently started to order an additional blood-thinning drug, “Afibo”, that is cheaper than “Heparine”. “Afibo” is as effective as “Heparine”, but has one side effect. It causes mild leg cramps in patients with blood type ‘AB-positive’.

The pharmacy manager has sent an e-mail with information about the new blood-thinning drug “Afibo” to all doctors in the hospital. The e-mail contains the information that the drug will cause mild leg cramps in patients with blood type ‘AB-positive’.

The e-mail service provider of Dr Jones has recently upgraded its e-mail service. Because of an undetected bug in the upgrade, the e-mail filter settings for spam content have changed. Dr Jones checked her inbox, but she did not see the e-mail of the pharmacy manager because it was erroneously marked as spam and automatically deleted from the account.

As a result, Dr Jones does not know that "Afibo" causes mild leg cramps in patients with blood type ‘AB-positive’.

**Garden**

**Externally caused Ignorance**

Alex is a gardener in a local botanical garden and takes care of a very delicate type of rose, the Bourbon rose. Alex regularly fertilizes the roses with the fertilizer “Flora” in order to keep them healthy and alive. The botanical garden supplies all gardeners who work in the botanical garden with gardening tools, chemicals and fertilizer. Normally, fertilizers do not harm delicate roses.

The garden manager has recently started to order an additional fertilizer, “Splendor”, that is cheaper than “Flora”. “Splendor” is as effective as “Flora”, but also has a negative effect. It harms delicate rose types such as the Bourbon rose.

The garden manager has sent an e-mail with information about the new fertilizer “Splendor” to all gardeners of the botanical garden. The e-mail contains the information that the new fertilizer will harm Bourbon roses.

The e-mail service provider of Alex has recently upgraded its e-mail service. Because of an undetected bug in the upgrade, the e-mail filter settings for spam content have changed. Alex checked his inbox, but he didn't see the e-mail of the garden manager because it was erroneously marked as spam and automatically deleted from the account.

As a result, Alex does not know that "Splendor" harms the Bourbon rose.

**Self-Caused Ignorance**

Bob is a gardener in a local botanical garden and takes care of a very delicate type of rose, the China rose. Bob regularly fertilizes the roses with the fertilizer “Vitax” in order to keep them healthy and alive. The botanical garden supplies all gardeners who work in the botanical garden with gardening tools, chemicals and fertilizer. Normally, fertilizers do not harm delicate roses.

The garden manager has recently started to order an additional fertilizer, “Nutrit”, that is cheaper than “Vitax”. “Nutrit” is as effective as “Vitax”, but also has a negative effect. It harms delicate rose types such as the China rose.

The garden manager has sent an e-mail with information about the new fertilizer “Nutrit” to all gardeners of the botanical garden. The e-mail contains the information that the new fertilizer will harm China roses.

The e-mail service provider of Bob has recently upgraded its e-mail service. Because of the upgrade, the new interface looks more organised. Bob checked his inbox and saw the e-mail of the garden manager, but did not read it.

As a result, Bob does not know that "Nutrit" harms the China rose.

**Bakery**

**Externally Caused Ignorance**

Sandra is a baker who works for the local bakery in town. The bakery offers a variety of pastries, including nut allergy friendly cakes, muffins and cookies. Sandra uses flour of the brand “White Mill” when baking. The bakery provides all necessary baking products including flour. Normally, flour does not contain traces of nuts.

The bakery manager has recently started to order an additional flour brand, “Harvest”, that is cheaper than “White Mill”. “Harvest” is of the same quality as “White Mill”, but differs in one aspect. It contains traces of walnuts.

The bakery manager has sent an e-mail information about the new flour brand “Harvest” to all bakers of the bakery. The e-mail contains the information that the new flour brand contains traces of walnuts.

The e-mail service provider of Sandra has recently upgraded its e-mail service. Because of an undetected bug in the upgrade, the e-mail filter settings for spam content have changed. Sandra checked her inbox, but she didn't see the e-mail of the bakery manager because it was erroneously marked as spam and automatically deleted from the account.

As a result, Sandra does not know that "Harvest" contains traces of walnuts.

**Self-Caused Ignorance**

Anne is a baker who works for the local bakery in town. The bakery offers a variety of pastries, including nut allergy friendly cakes, muffins and cookies. Anne uses flour of the brand “Green Farms” when baking. The bakery provides all necessary baking products including flour. Normally, flour does not contain traces of nuts.  
  
The bakery manager has recently started to order an additional flour brand, “Homestead”, that is cheaper than “Green Farms”. “Homestead” is of the same quality as “Green Farms”, but differs in one aspect. It contains traces of hazelnuts.

The bakery manager has sent an e-mail with information about the new flour brand “Homestead” to all bakers of the bakery. The e-mail contains the information that the new flour brand contains traces of hazelnuts.

The e-mail service provider of Anne has recently upgraded its e-mail service. Because of the upgrade, the new interface looks more organised. Anne checked her inbox and saw the e-mail of the bakery manager, but did not read it.

As a result, Anne does not know that "Homestead" contains traces of hazelnuts.