**Vaccine clinical trials – flashcards activity**

Preparation: Teacher should have p1 (this page). Students will have pages 2-5 printed out (and cut out in advance of the lesson if possible)

Instructions to give to students:

* Students should work in groups of 4-5.
* The ‘stimuli’ (i.e. the context of this fictional disease ‘ICV’) is outlined in slide 4 in the PPT. It can also be seen below in the ‘breaking news’ box which can be read out to students.
* Each group will have a set of flashcards, they will need to work to order them to describe the correct steps of developing a new vaccine. Clarify for the students that on the flashcards, ‘Anti-ICV’ refers to the vaccine for the disease known as ‘ICV’.
* When every group has finished, check and discuss their work. The cards should be in the following order:

1. PhamaCell scientists study ICV and the people infected with ICV.
2. The scientists create a new vaccine, ‘Anti-ICV’, by using a live but weak(ened) ICV virus.
3. Scientists test ‘Anti-ICV’ samples.
4. ‘Anti-ICV’ is tested on animals.
5. Anti-ICV is tested on up to 30 healthy volunteers. Half of the volunteers receive a placebo (an inactive substance, given in the same form as the active vaccine) whilst the others receive Anti-ICV.
6. Anti-ICV is tested on hundreds of healthy volunteers.
7. Anti-ICV is tested on thousands of healthy volunteers.
8. PharmaCell are awarded a license to mass-produce the Anti-ICV vaccine.









