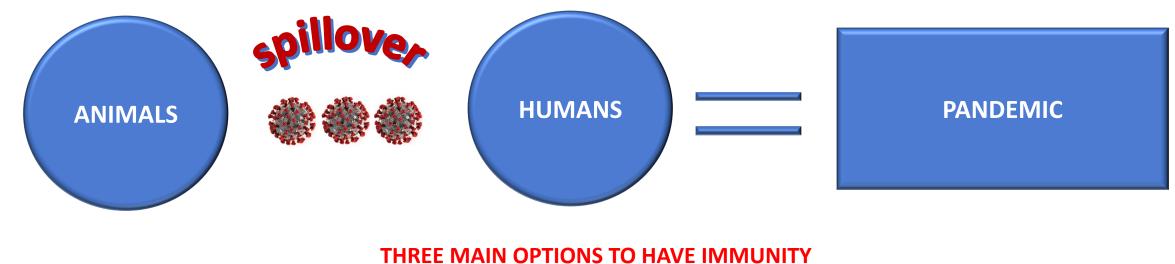
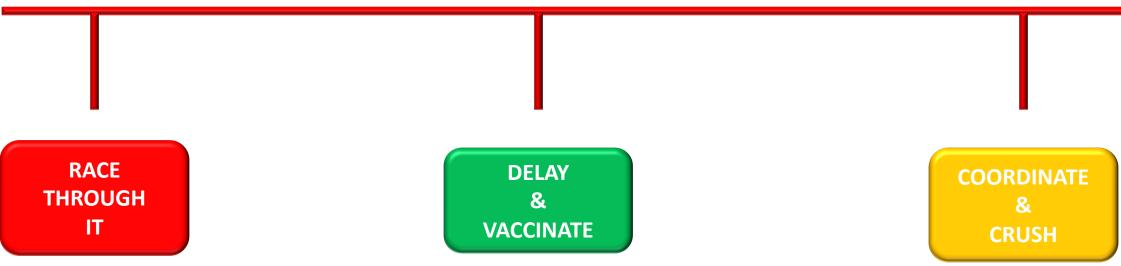
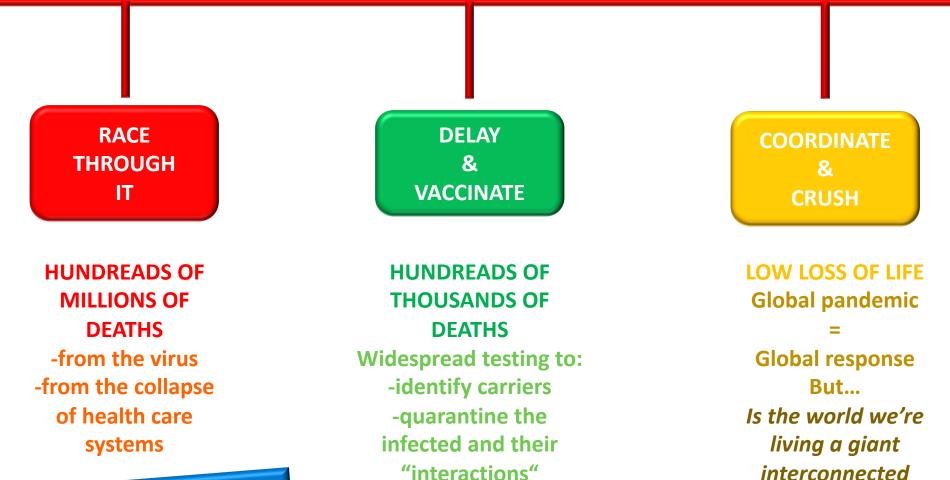


TO SUMMARIZE:





THREE MAIN OPTIONS TO HAVE IMMUNITY



THE BEST OPTION IS N.2 Protection is continuous with vaccines

"interactions" -physical distancing and masks -stop-and-go work periods

system?

Strong risks of

continuous

new waves

POSITIVE LEGACY: THE BREAKTHROUGHS VACCINE

- Research on existing works
- Lots of money invested by the Governments and by the Pharmaceutical Industries

SO

- Easier testing because of more disease
- Speed in the approval process
- No steps skipped
- No corner cut

IT IS A NEW TYPE OF VACCINE: AN mRNA VACCINE

LIVING CELLS CONTAIN BOTH DNA AND RNA

DEOXY RIBONUCLEIC ACID

The double helix containing the genetic information

RIBONUCLEIC ACID

It decodifies the info existing in the DNA

mRNA

A type of RNA which translate the info from DNA into proteins

mRNA Vaccine

It contains the instructions to produce one specific protein, the SARS-COV-2 spike protein

CREATING MEMORY

IF THE ACTUAL VIRUS introduces in our body, the antibodies recognize the spike protein and destroy it

OUR IMMUNE CELLS recognize this viral protein and make antibodies against it, so against SARS-COV-2

mRNA vaccine DOES NOT CHANGE OUR DNA and it survives in our cells for a very short period of time – A FEW HOURS Many traditional vaccines used a killed or weakened form of a virus to prompt an antibody response. mRNA vaccines DOESN'T WORK LIKE THIS: they do not contain the virus

IS THIS THE END OF PANDEMIC?

SIDE EFFECTS after the vaccine? Probably yes but, as there is no virus in our cells, our immune system is triggered to respond, so our body is building immunity

We need two shots to receive full protection but scientists still don't know HOW LONG IMMUNITY WILL LAST

Even with vaccines, THE PANDEMIC WILL END SLOWLY and part of this is because vaccination will not be immediate We are 7,8 billion inhabitants: we need 70/80% of people vaccinated to achieve some kind of herd immunity