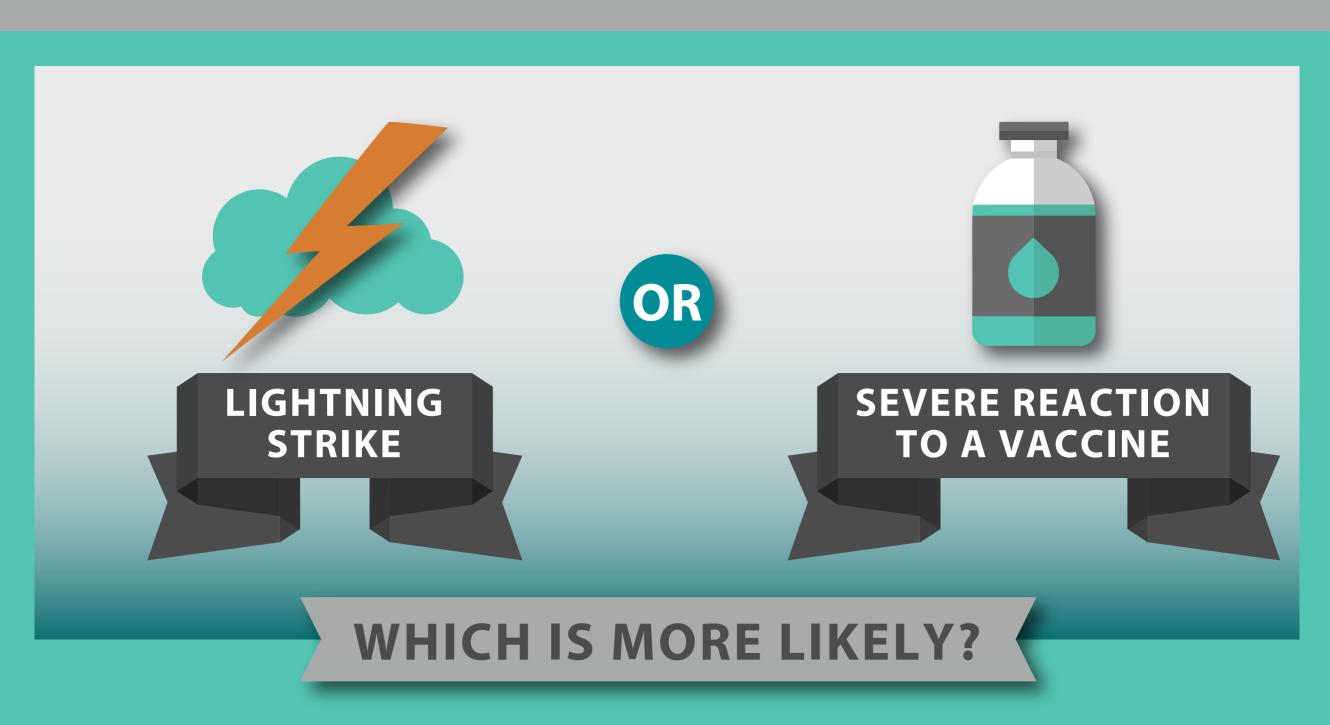
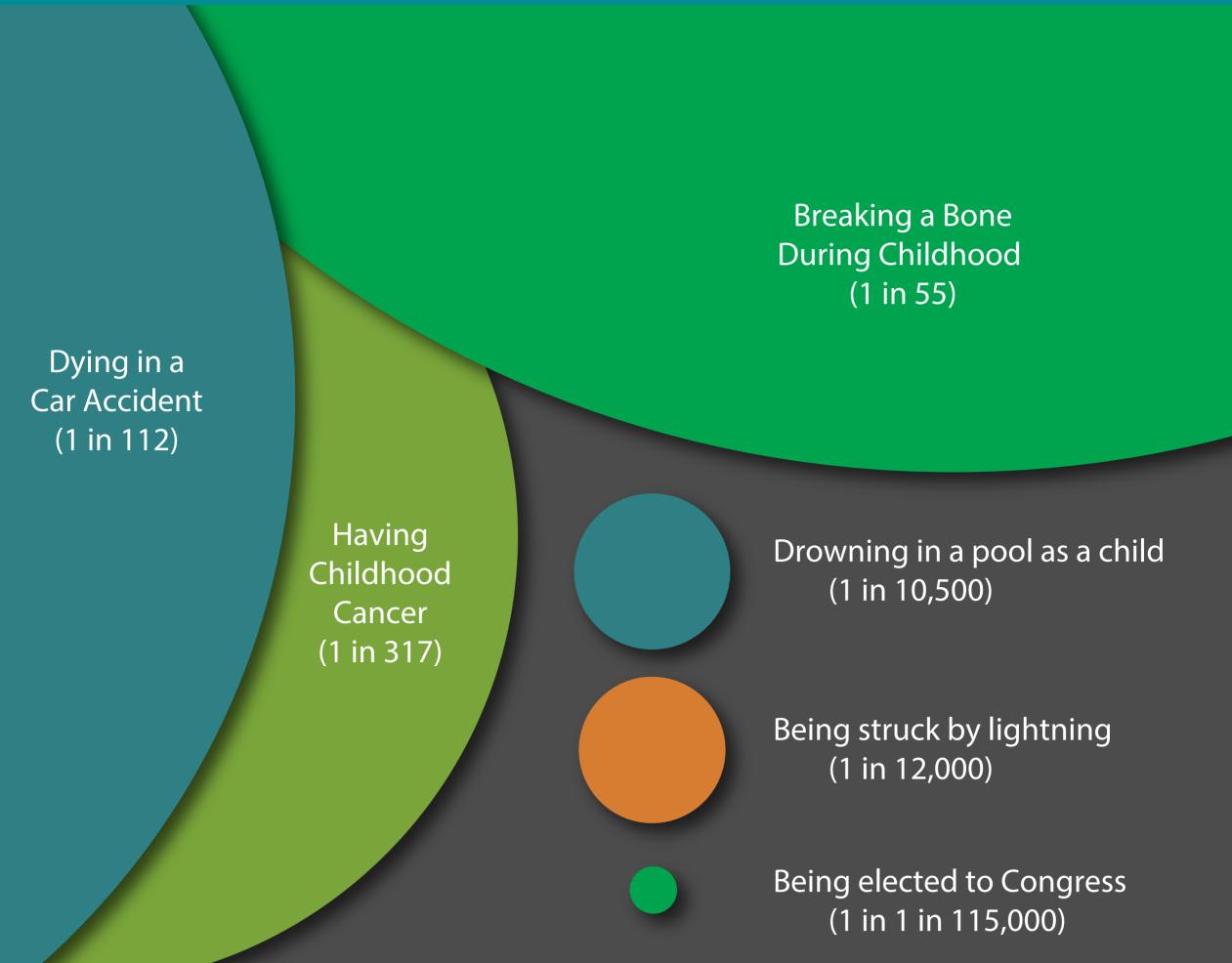
VACCINE SAFETY



WHAT ARE THE ODDS?



ADVERSE REACTIONS: REAL BUT RARE

A child's chances of having a severe

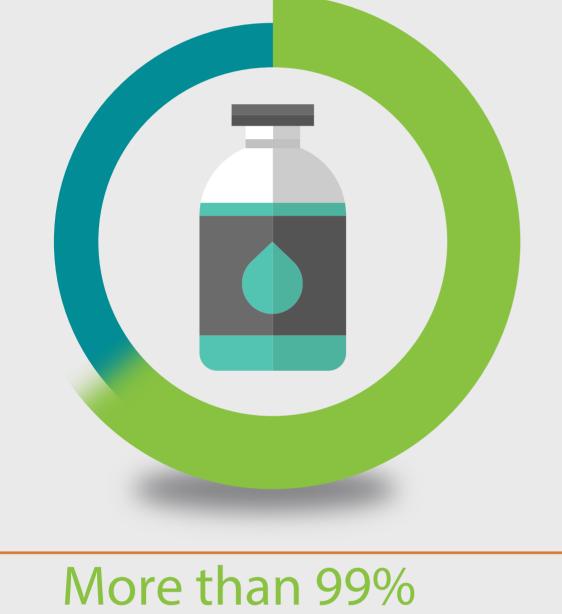
reaction from vaccination are extremely low

Protects Against: CHICKENPOX

Varicella Vaccine

NO ADVERSE REACTION

- MILD REACTION (e.g., Soreness or Swelling: 1 out of 5 doses)
- MODERATE REACTION
- (e.g., Seizure: 1 out of 2,500 doses) SEVERE REACTION
- (e.g., Pneumonia: 1 out of a million doses)



OF CHILDREN HAD NO MODERATE

OR SEVERE SIDE EFFECTS

Protects Against: MEASLES, MUMPS, RUBELLA NO ADVERSE REACTION

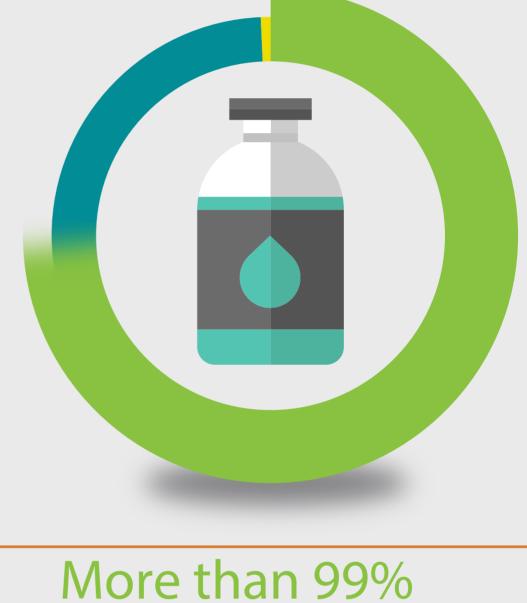
MMR Vaccine

Having a life threatening allergic

reaction to a childhood vaccine

(1 in 1,000,000)

- MILD REACTION (e.g., Fever: 1 out of 6 doses)
 - MODERATE REACTION (e.g., Joint Pain: 1 out of 150 doses)
 - SEVERE REACTION (e.g., Life threatening allergic reaction:
 - fewer than 1 out of a million doses)



OR SEVERE SIDE EFFECTS

THE DISEASES THAT THESE VACCINES PREVENT CAN HAVE TERRIBLE CONSEQUENCES

VARICELLA RUBELLA PERTUSSIS

(German Measles)

SHINGLES Half of people who had

skin that remain for weeks

and sometimes suffer

nerve damage for years.

(Chicken Pox)

chicken pox will get painful blisters on their

Over half of pregnant women who contract rubella in their first

trimester will have a

baby with severe defects

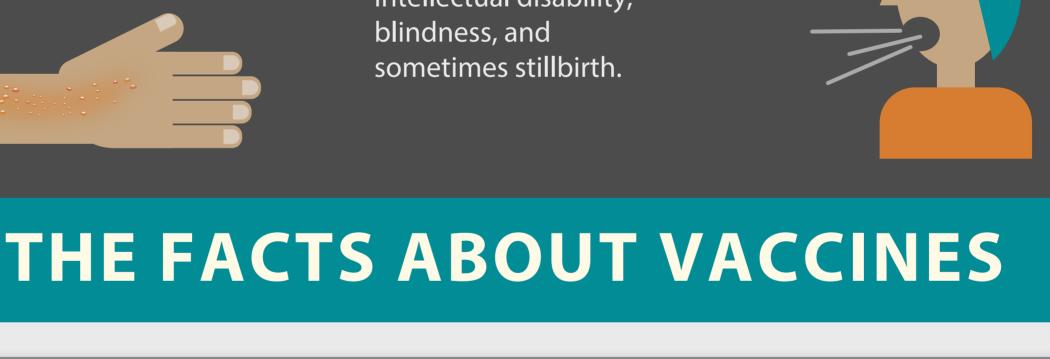
BIRTH DEFECTS

including profound intellectual disability, blindness, and sometimes stillbirth.

DEATH 1 in 200 babies who get

(Whooping Cough)

whooping cough die.



VACCINES DON'T CAUSE AUTISM • In 1998, Andrew Wakefield published a small study reporting a link between vaccines and autism. That paper has since been

retracted.



vaccine before it's

approved.

medical register, concluding he had been "dishonest, irresponsible, and showed callous disregard" for children. • Since then, studies of hundreds of thousands of children have

• The U.K.'s General Medical Council struck Wakefield from the

- failed to find any connection between vaccines and autism. YOU CAN STILL CATCH THE FLU VACCINE CAN'T
- The only disease that has • The injected flu vaccine been globally eradicated does not transmit the flu, as it does not contain is smallpox.



They have been proven to

be safe for the immune

system, even if receiving

multiple vaccines at one



diseases like measles, they are still a serious threat.

Although vaccines have

reduced the incidence of

THESE DISEASES

Some people develop mild flu-like symptoms, a sign that the immune

the live flu virus

system is responding to the vaccine.

GIVE YOU THE FLU



• Thus, the immunity conferred by breastfeeding is temporary. • Vaccines protect people for many years, some work for a lifetime.

- Breastfeeding transfers some antibodies to the baby, but it does not
- **BREASTFEEDING IS NOT A VACCINE** • Breastfeeding mainly helps babies fight intestinal diseases. give the baby the ability to make more of these particular antibodies in the future.
- **VACCINATION IS THE MOST**
- **EFFECTIVE WAY TO PREVENT DISEASE** • Good hygiene and healthy living can bolster the immune system, but not enough to replace the need for vaccines.



VACCINES

- CALLING

vaccines-calling-shots.html

Breastfeeding and Immunity:

SOURCES

Lightning striking odds: http://www.lightningsafety.noaa.gov/odds.htm •Odds of being elected to congress: calculation based on the size of US congress and average term length served considering the age-legible years of a average lifespan. http://assets.opencrs.com/rpts/R41545_20110107.pdf Vaccine side effects: http://www.cdc.gov/vaccines/vac-gen/side-effects.html •Varicella and MMR Vaccine Side Effects:

> which can be viewed at: www.pbs.org/wgbh/nova/body/

THE SHOTS •MMR Vaccine Side Effects: http://pediatrics.aappublications.org/content/68/1/18

•Shingles: http://www.cdc.gov/media/pressrel/2008/r080515.htm •Congenital rubella syndrome: http://pharmacologyonline.silae.it/files/newsletter/2010/vol1/48.Gopala.pdf •Whooping cough: http://ideas.health.vic.gov.au/bluebook/pertussis.asp •Myths about vaccines: cdph.ca.gov/Pages/commonmythsaboutvaccinesdebunked.aspx

http://www.betterhealth.vic.gov.au/bhcv2/bhcarticles.nsf/pages/lmmunisation_common_misconceptions?open

YOU CAN GET HELP PAYING FOR VACCINES: http://www.cdc.gov/vaccines/adults/find-pay-vaccines.html#pay-vaccines

•Childhood cancer statistics: http://www.acco.org/information/aboutchildhoodcancer/childhoodcancerstatistics.aspx

•Broken bone during childhood: http://fivethirtyeight.com/datalab/dear-mona-how-many-kids-break-a-bone/

Dying in a car accident: http://www.nsc.org/NSCDocuments_Corporate/2014-Injury-Facts-Odds-Dying-43.pdf

•Drowning in pools: https://answers.yahoo.com/question/index?qid=20110930180058AApccpN

Information on specific vaccines in many languages: http://www.immunize.org/vis/

•Hearing of Andrew Wakefield: http://briandeer.com/solved/gmc-charge-sheet.pdf

http://www.cdc.gov/vaccines/vpd-vac/combo-vaccines/mmrv/vacopt-faqs-hcp.htm

•Retraction of the Lancet paper on autism: npr.org/blogs/health/2010/02/lancet_wakefield_autism_mmr_au.html •Information on autism and vaccines: http://www.pbs.org/wgbh/nova/body/autism-vaccine-myth.html