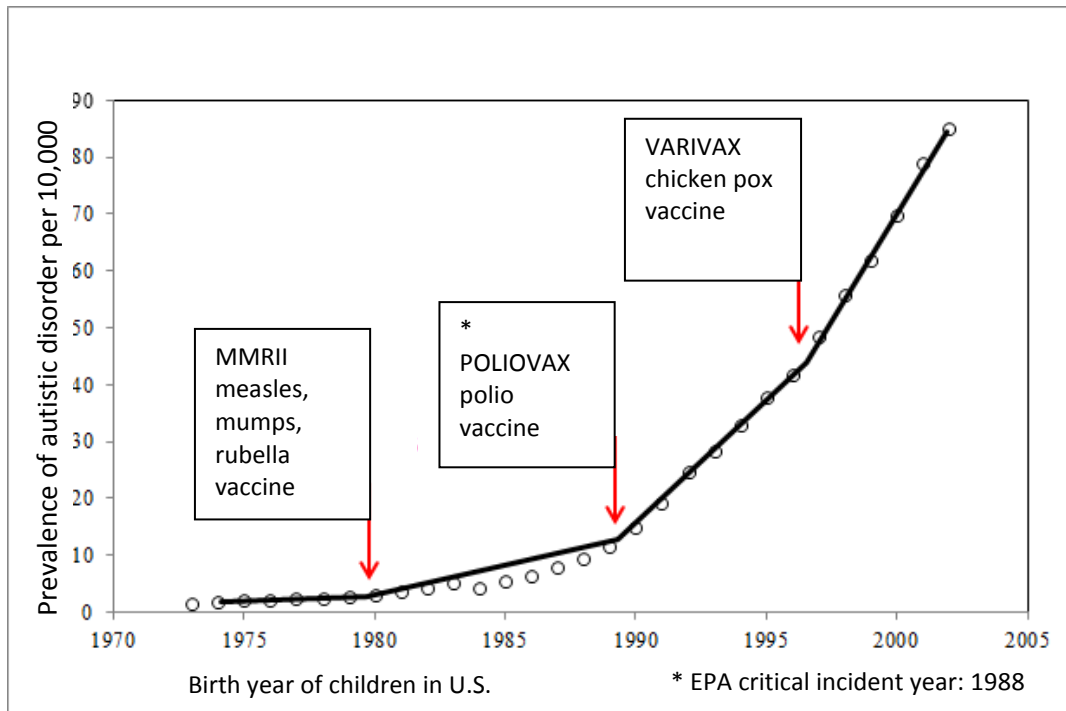


Autistic Disorder Increases & Introduction of Human Cell Lines in Vaccines

Historically vaccines have been manufactured in animal cell lines where the virus would grow in animal cells or embryos, and then further processed in preparation for syringe packaging. In 1979 changes were introduced to vaccine manufacturing and some childhood vaccines made using animal cell lines began to be made using human cell lines. These changes were made with the hope of reducing allergic reactions in children receiving vaccines made in chicken eggs. However, the changes may instead have created other problems.



At the same time that significant increases in Autistic Disorder were seen, childhood vaccines manufactured in human cell lines were introduced. These vaccines contain a person's residual human DNA fragments. When this DNA enters another person's cells it may cause mutations, including mutations that could lead to cancers or Autistic Disorder. (see chart)

- The MMRII (measles, mumps, rubella) vaccine in 1979, the POLIOVAX (polio) vaccine in 1987, and the VARIVAX (chicken pox) vaccine in 1995 were introduced. They contain fragments of residual human DNA. See attached vaccine list for more information.
- As a subset within the Autism Spectrum Disorders, the Autistic Disorder diagnosis does not appear to have been relaxed over the years. Prior to the age of 3, children show measureable loss in functions such as eye-to-eye contact, spoken language, or interest in playing with others, among other abnormalities.
- Several theories about Autistic Disorder suggest that this disease has multiple contributors including environmental triggers/events. As a potential trigger, childhood vaccines made in human cell lines require additional studies in order to assure safety, particularly since reverting to animal based manufacturing methods is readily available.

For more information:

http://www.ms.academicjournals.org/article/article1409245960_Deisher%20et%20al.pdf

Autism Disorder chart data are from the Individuals with Disabilities Education Act and California Department of Developmental Services. Live birth data extracted from the Center for Disease Control's "Annual reports of Vital Statistics of the United States".

**Vaccines manufactured with HUMAN CELL LINE and ALTERNATE CELL LINE products
USA - January 2015 – Data subject to change**

	Disease	Human Cell Line Vaccines	Manufacturer	Human Cell Line	Alternate Cell Line Vaccines	Manufacturer	Cell Line
1	Acute Respiratory	Adenovirus 4,7 Oral	Barr Labs	WI-38	NONE	N/A	N/A
2	Chickenpox	Varivax, Varilrix	Merck, GSK	WI-38, MRC-5	NONE	N/A	N/A
3	Cystic Fibrosis	Pulmozyme	Genentech	HEK-293	<i>N-acetylcysteine, Hyper-sal</i>	<i>Various</i>	<i>N/A</i>
4	Hemophilia	rhFVIII, rhVIX	Octapharma	HEK-293	<i>Advate, Kogenate</i>	<i>Baxter</i>	<i>Hamster</i>
5	Hepatitis A	Vaqta, Havrix Avaxim, Epaxal	Merck, GSK Sanofi, Berna	MRC-5 MRC-5	<u>Not avail. in USA</u> <i>Aimmungen</i>	<i>Kaketsuken (Japan, Europe)</i>	<i>Vero (monkey)</i>
6	Hepatitis A & B Hepatitis A & Typhoid	Twinrix Vivaxim	GSK Sanofi	MRC-5 MRC-5	<i>Engerix Hep-B only Recombivax Hep-B Only</i>	<i>GSK Merck</i>	<i>Yeast Yeast</i>
7	Infection prevention	G-CSF	Octapharma	HEK-293	<i>Neupogen</i>	<i>Amgen</i>	<i>E-coli</i>
8	Measles/Mumps/ Rubella	MMR, Priorix	Merck, GSK	RA273, WI-38	<u>Not avail. in USA</u> <i>MR+M (Japan only)</i>	<i>Kitasato Daiichi Sankyo (KDS)</i>	<i>Hen Eggs Rabbit</i>
9	Measles-Rubella	MR Vax, Eolarix	Merck, GSK	RA273, WI-38, MRC-5	<u>Not avail.in USA</u> <i>Attenuvax(Measles) MR</i>	<i>Merck KDS</i>	<i>Hen Eggs Rabbit</i>
10	Mumps-Rubella	Biavax II	Merck	RA273, WI-38	<u>Not avail.in USA</u> <i>Mumpsvax(Mumps)</i>	<i>Merck</i>	<i>Hen Eggs</i>
11	Rubella	Meruvax II	Merck	RA273, WI-38	<u>Not avail. in USA</u> <i>Takahashi(Japan only)</i>	<i>Kitasato Institute</i>	<i>Rabbit</i>
12	MMR + Chickenpox	ProQuad/MMR-V	Merck	RA273, WI-38, MRC-5	NONE	N/A	N/A
13	Polio	Poliovax, DT PolAds Polio Sabin (oral)	Sanofi Pasteur GSK	MRC-5 MRC-5	<i>IPOL, IMOVAX® Polio**</i>	<i>Sanofi Pasteur</i>	<i>Vero (monkey)</i>
14	Polio Combination (DTaP + polio+ HiB)	Pentacel, Quadracel	Sanofi Pasteur	MRC-5	<i>Pediarix + HiB, Pediaceel Infanrix Hexa IPOL + any DTaP + HiB</i>	<i>Sanofi, GSK</i>	<i>Vero (monkey)</i>
15	Rabies	Imovax**	Sanofi Pasteur	MRC-5	<i>RabAvert</i>	<i>Novartis</i>	<i>Hen Eggs</i>
16	Rheumatoid Arthritis	Enbrel	Amgen	WI-26 VA4 Hamster	<i>Humira, Cimzia, Orencia</i>	<i>Abbott, UCB, BMS</i>	<i>Hamster</i>
17	Shingles	Zostavax	Merck	WI-38, MRC-5	NONE	N/A	N/A
18	Smallpox	Acambis 1000	Acambis	MRC-5	<i>ACAM2000, MVA3000</i>	<i>Acambis/Baxter</i>	<i>Vero (monkey)</i>

**Note: IMOVAX®Polio is an alternate version for polio vaccine in Canada and is not the same as IMOVAX for rabies.
Data subject to change.