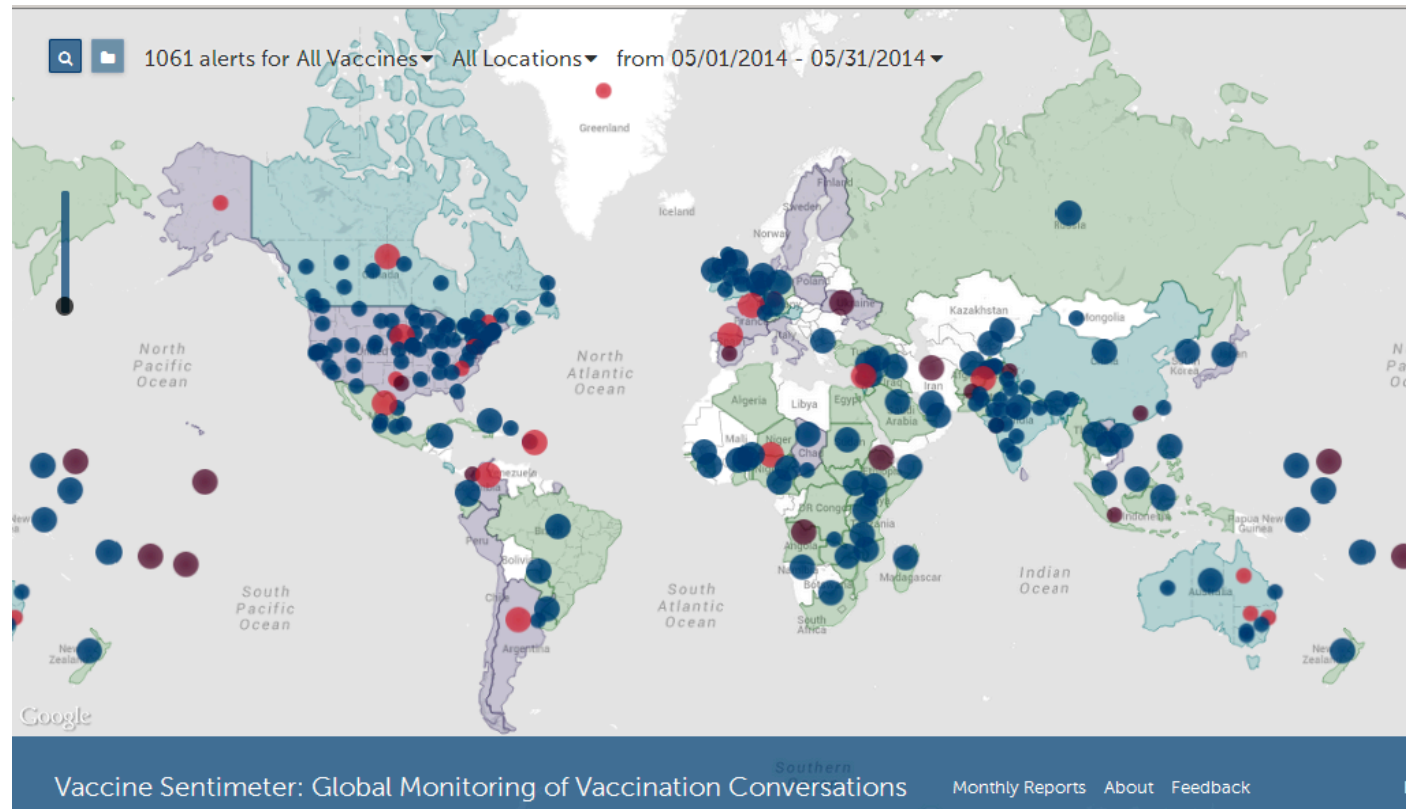


# Vaccine Media Trends Barometer

## May 2014

### Geographic Activity May 1-31, 2014



### Activity Summary

May Reports		Number	% of Total	Classified as High or Moderate Risk
Vaccine Sentiment	Negative	131	5%	126
	Neutral	86	1%	26
	Positive	2557	94%	1073
Total		<b>2787</b>		1225

## Media with Negative Vaccine Sentiment or High Risk Events Reported

- **Alarming situation : Four children reportedly die from measles vaccine**  
Four children died in Peshawar, reportedly after administration of measles vaccine, while reports of children fainting were received from two districts.  
<http://tribune.com.pk/story/714649/alarming-situation-four-children-reportedly-die-from-measles-vaccine/>
- **A continuing dilemma: Five children faint in Mardan following measles vaccination**  
Five children fainted in Mardan after being injected with the measles vaccine, creating panic in the area.  
[http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNEcaZ\\_xSjlAaU19I7yKCWTjIFuUXQ&clid=c3a7d30bb8a4878e06b80cf16b898331&ei=nUKKU5i5FIfcgQf92oG4Cg&url=http://tribune.com.pk/story/715929/a-continuing-dilemma-five-children-faint-in-mardan-following-measles-vaccination/](http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNEcaZ_xSjlAaU19I7yKCWTjIFuUXQ&clid=c3a7d30bb8a4878e06b80cf16b898331&ei=nUKKU5i5FIfcgQf92oG4Cg&url=http://tribune.com.pk/story/715929/a-continuing-dilemma-five-children-faint-in-mardan-following-measles-vaccination/)
- **Polio 'global health emergency' entirely fabricated by W.H.O. to sell more vaccines almost nobody needs**  
An article advising polio vaccine not needed except for residents for Pakistan  
[http://www.naturalnews.com/045219\\_polio\\_pandemic\\_global\\_health\\_emergency\\_scare\\_stories.html#ixzz37TF51XRW](http://www.naturalnews.com/045219_polio_pandemic_global_health_emergency_scare_stories.html#ixzz37TF51XRW)
- **Vaccine: What Every Parent Needs to Know**  
An article about the dangers of Hexyon hexavalent vaccine and HPV vaccine in the European Union.  
<http://diamantsdefeu.canalblog.com/archives/2014/05/07/29819712.html>
- **Letter: Disappointed about Dr. Mohler's vaccine**  
A letter from a physician about the risks of vaccines.  
[http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNHGTftnI0b5B68ivyY\\_eSz77QJlBg&clid=c3a7d30bb8a4878e06b80cf16b898331&ei=RKZ7U6mKFla0gQfV6oCIBA&url=http://www.postindependent.com/news/grandjunction/11444178-113/vaccine-parents-bill-mohler](http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNHGTftnI0b5B68ivyY_eSz77QJlBg&clid=c3a7d30bb8a4878e06b80cf16b898331&ei=RKZ7U6mKFla0gQfV6oCIBA&url=http://www.postindependent.com/news/grandjunction/11444178-113/vaccine-parents-bill-mohler)
- **Merck issues mass recall of Gardasil vaccines over glass shard contaminants**  
Affected HPV vaccines may contain glass shards due to a manufacturing error that resulted in the breakage of vials. <http://www.prisonplanet.com/merck-issues-mass-recall-of-gardasil-vaccines-over-glass-shard-contaminants.html>
- **Are Gardasil Side Effects Just Part of the Greatest Medical Scandal of All Time?**  
Multiple Articles about the ineffectiveness of HPV vaccine.
  - <http://central-pennsylvania.legalexaminer.com/fda-prescription-drugs/are-gardasil-side-effects-just-part-of-the-greatest-medical-scandal-of-all-time/>
  - <http://www.migueljara.com/2014/05/02/la-vacuna-del-papiloma-sera-el-mayor-escandalo-medico-de-todos-los-tiempos/>
  - [http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNHw3Wo2wueseXtlx5axKOS0\\_6pRAg&clid=c3a7d30bb8a4878e06b80cf16b898331&cid=52778501980150&ei=C4VzU-GbFtDogAfK1wE&url=http://digitaljournal.com/life/health/op-ed-is-there-benefit-to-the-gardasil-vaccine-opponents-say-no/article/383725](http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNHw3Wo2wueseXtlx5axKOS0_6pRAg&clid=c3a7d30bb8a4878e06b80cf16b898331&cid=52778501980150&ei=C4VzU-GbFtDogAfK1wE&url=http://digitaljournal.com/life/health/op-ed-is-there-benefit-to-the-gardasil-vaccine-opponents-say-no/article/383725)
  - [http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNETqDGs2OAYW6BviUb0M7\\_wx9Xlg&clid=c3a7d30bb8a4878e06b80cf16b898331&cid=527785](http://news.google.com/news/url?sa=t&fd=R&ct2=us&usg=AFQjCNETqDGs2OAYW6BviUb0M7_wx9Xlg&clid=c3a7d30bb8a4878e06b80cf16b898331&cid=527785)

## VPD Outbreaks

### Measles

- United States: Ohio, Missouri, Tennessee, Washington, Pennsylvania, Connecticut, California
- Canada: Edmonton
- Australia: NSW

### Polio

- Pakistan: FATA
- Syria
- Cameroon

## Policy

- The World Health Organization recommends the governments of Pakistan, Syria and Cameroon require citizens to obtain a certificate proving they have been vaccinated for polio before travelling abroad
- Following the Bin Laden backlash, the United States Central Intelligence Agency promises “No more fake vaccination campaigns”
- Polio vaccination is declared mandatory for Pakistanis travelling abroad
- Shantha Biotech’s Pentavalent Pediatric Vaccine is prequalified by the World Health Organization

## Delivery/Access

- HPV Canada says after almost two years of lobbying, the last of 12 public boards has agreed to allow girls to have in-school access to the vaccine with parental permission.
- Polio booths are opened at Balochistan, Pakistan airports
- 13.33 million children are immunized against measles in Sindh, Pakistan
- Nigeria gets an \$85m loan from Japan for polio eradication
- Mass HPV vaccination campaign of 60,000 5<sup>th</sup> grade girls in Estado de Jalisco, Mexico

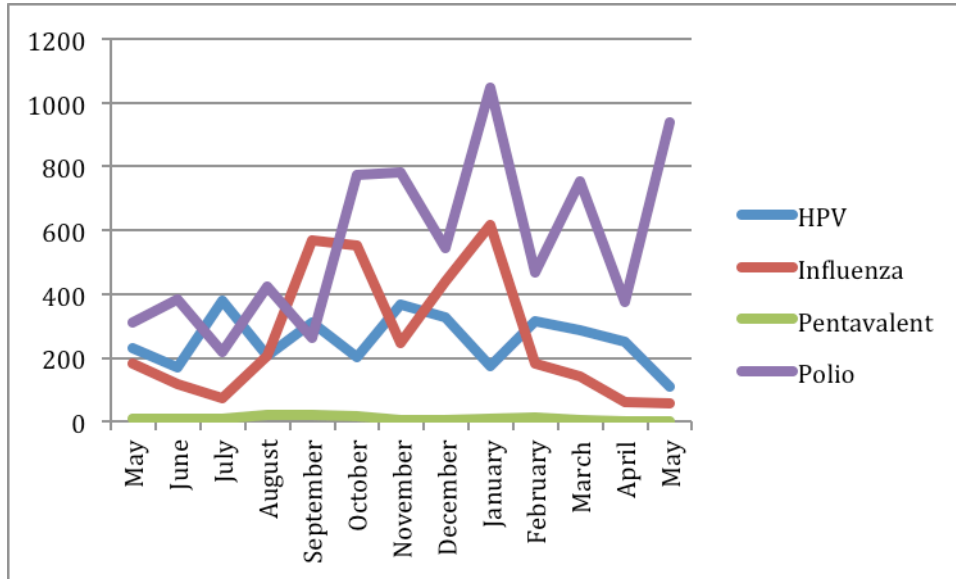
## Research

- US researchers report that a candidate malaria vaccine stops the parasite mid life cycle
- A research review, published in the latest issue of Vaccine, examined five cohort studies involving more than 1.25 million children, and found no statistical data to support a relationship between autism and commonly-used childhood vaccines for measles-mumps-rubella, tetanus and whooping cough.
- A research study in the United States suggests that delaying measles vaccination after 15 months of age, may increase seizure risk
- A study finds an experimental cholera vaccine is effective in Guinea

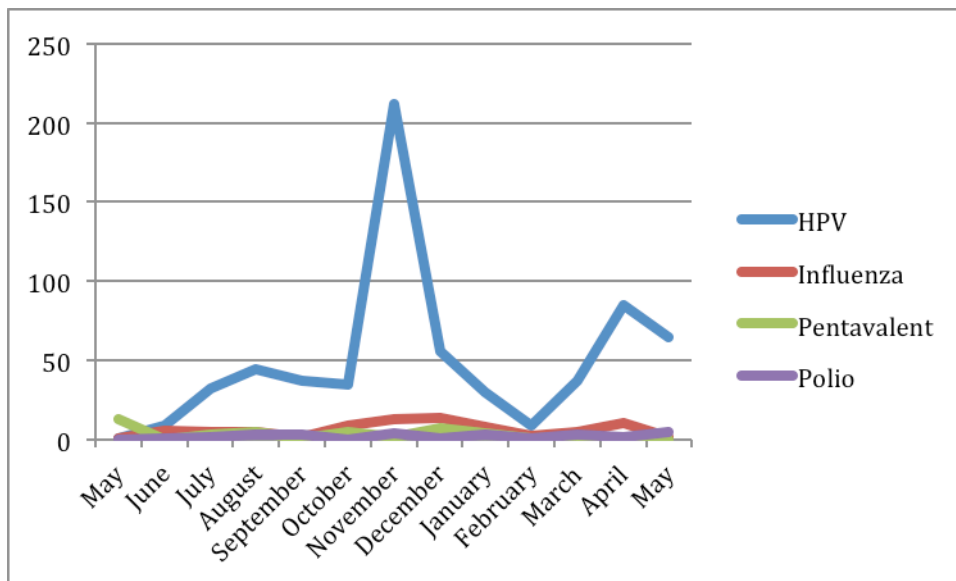
- A study in the United States deems that pertussis vaccination during pregnancy is safe

## Number of Reports that Mention Vaccines by Month and Sentiment

### Positive Sentiment May 2013-May 2014



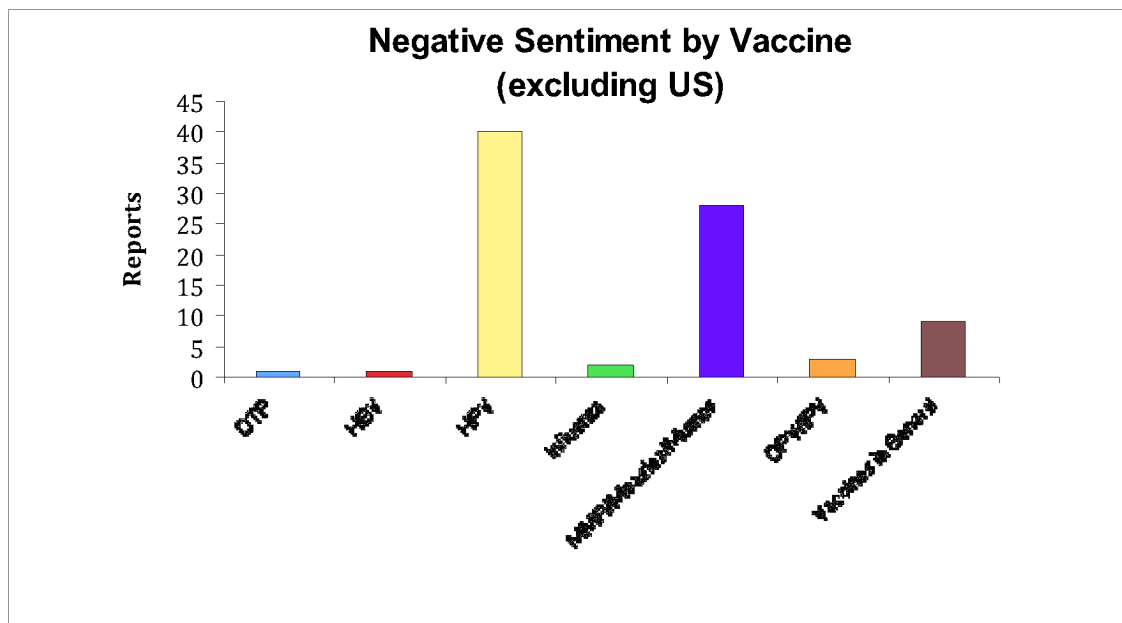
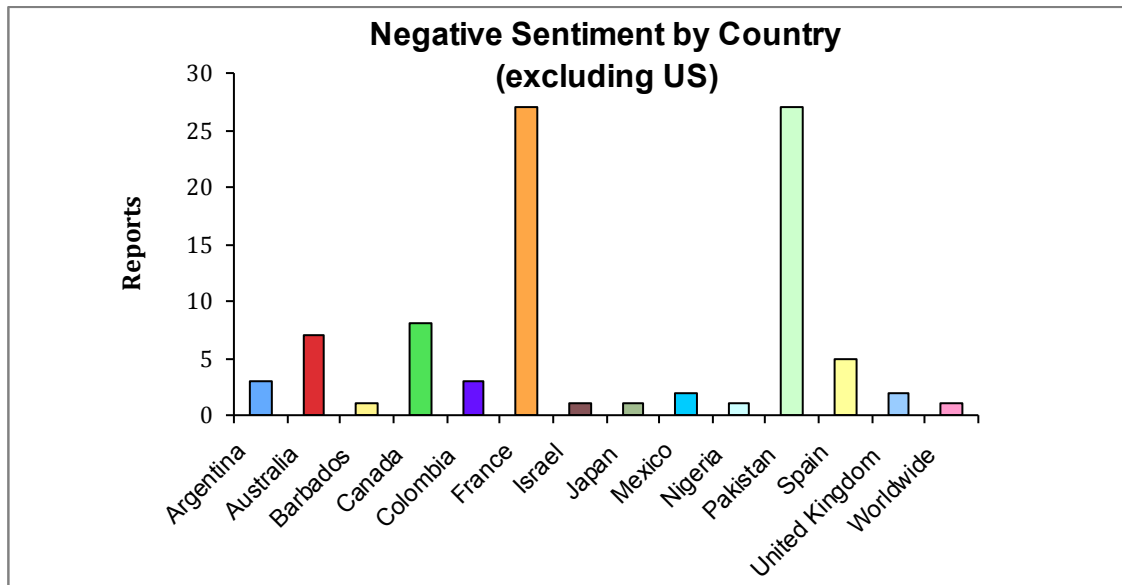
### Negative Sentiment May 2013-May 2014

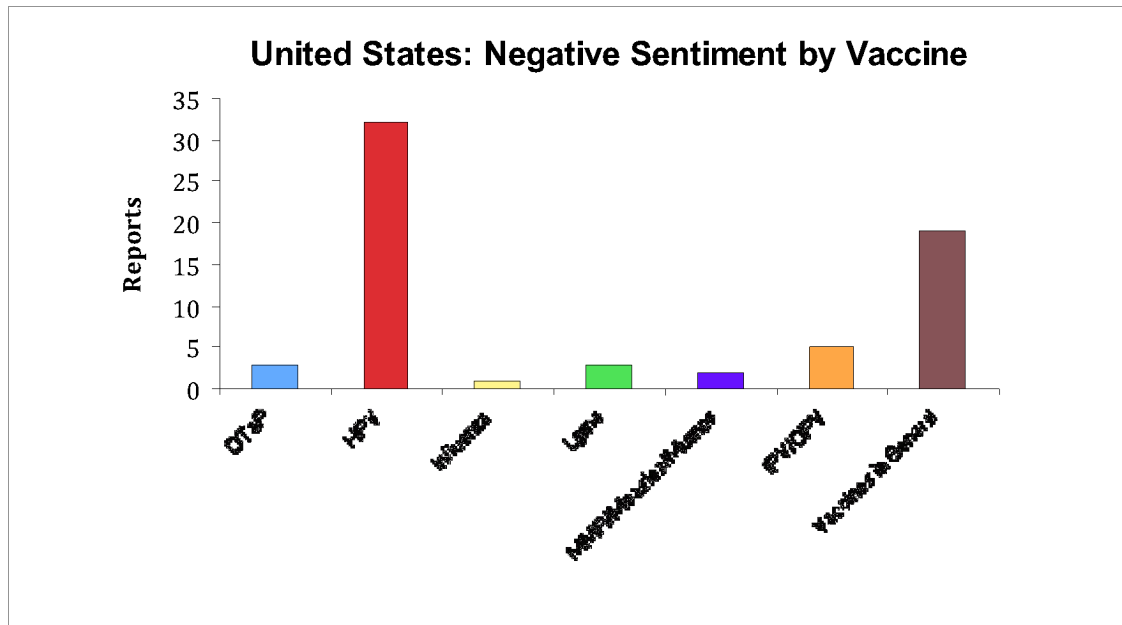


## May Negative Vaccine Sentiment\* (n= 131 alerts including duplicate reports; 5% of all reports)

A single report may include more than one country or vaccine/disease.

\*Due to the large number of negative sentiment reports relative to other countries in May, reports by vaccine for the US are detailed separately.





## Special Focus

### Multiple reports of AEFIs following measles vaccination in Khyber- Pakhtunkhwa Province, Pakistan

This month, nearly one fourth of all negative sentiment reports covered adverse events following measles vaccination in Pakistan. These reports were from several different areas of Khyber- Pakhtunkhwa Province, Pakistan and included reports of the deaths of four children from Peshawar.

On May 27 and 28, four children died in Peshawar shortly after receiving measles vaccinations. Parents of the children claimed they were administered the measles vaccine by health teams and soon after, the children began having an adverse reaction ultimately leading to their death. A physician in charge of the measles drive in Charsadda, where one of the children was from, claimed that child died more than 24 hours after receiving the vaccine and therefore the vaccine was unlikely to be the cause of the child's death. A Pakistani Information minister claimed on the assembly floor that the vaccine procured by the federal government from India was causing the deaths, leading the provincial government to formulate a committee to investigate the incidents.

Prior to the reports of fatalities, several instances of children falling ill or unconscious following measles vaccination were also seen in the press. In SWAT, there was a report of at least 30 children falling ill after receiving measles vaccination at a school in Mingora. The children were reportedly taken to a hospital and were out of danger. In addition, on May 21, six children reportedly fell unconscious following measles vaccination at a private school in Kohat district and were taken to a hospital. On May 19, at least 23 students at a primary girls' school, in Dalan union council fell unconscious after they were administered measles vaccine. On May 28, at a public school in Peshawar, three girls fainted after receiving the shot and were rushed to a local hospital. A school administrator said fear spread among the students and parents after the

incident and several parents took their children home resulting in the suspension of remaining vaccination. A hospital official reported the girls were stable. Additionally, around 15 children were reported to have fainted after they were administered the measles vaccine at a primary girls' school in Shangla district. They were rushed to a hospital and discharged shortly thereafter. A District Health Officer (DHO) reported that the vaccine was given to 120 students and only 15 experienced the reaction. The DHO added the vaccine was not substandard and presumed the children fainted due to the fear of receiving the injection.

Any deaths of children associated with vaccination is concerning. When combined with multiple reports of children fainting or otherwise falling ill in numerous additional locations in the same region of Pakistan, it begins to suggest a pattern. It is unclear from these reports if the children falling ill are suffering medical issues or if mass hysteria may be occurring. The frequency of these events in KP bears watching for any change in the coming months, and resultant effects on vaccine hesitancy and refusals.