# Capturing Parents' Attention to Inform of New Immunizations

# StartwithFour.org - Parent Flyer Development

Introduction — The increase in vaccine-preventable disease in adolescents and the recent surge in the number of pediatric vaccinations leave many adolescents under vaccinated. The goal of the Missouri Adolescent Immunization Outreach Initiative was to increase compliance

with the current immunization schedule for adolescents through outreach and education of adolescents and parents.

### Campaign Intent –

- > Encouraging compliance with the recommended well-adolescent doctor visits
- > Raising awareness of recommended adolescent immunizations
- > Promoting provider/parent discussion about immunizations

The campaign worked with schools as a primary location for reaching the target audience and disseminating the campaign messages.

**Objectives** — In order to design appropriate and effective campaign materials, members of the initiative sought to:

- > To determine parent knowledge of adolescent immunizations
- > To establish how parents access health information
- > To ascertain from whom parents like to receive health information

**Methods** — Two primary methods were used to determine parents' knowledge of adolescent immunizations and from whom and how



parents access health information. Those methods included a limited literature review and a parent survey.

Limited Literature Review – Eight parental studies were reviewed. The studies participation ranged from 24 parents to 320 parents.

Parental views of STI vaccinations were used as a proxy for views of vaccinations in general. It was thought that if parents approved of the somewhat controversial immunization, they probably would accept other adolescent immunizations.

- > All of the studies reviewed found that parents generally approved of immunizations including those related to STI's.
- > Factors that influenced willingness to vaccinate included:
  - the severity of the potential disease
  - the effectiveness of the vaccine
  - if no behavioral prevention was available for the disease

## What's it all about?

- Increasing their bodies abony to the preventing the spread of disease to close contacts.
  Preventing the spread of disease to close contacts.
  family members, who may not be fully protected.

## immunizations for teens

INFORMATION FOR ADULTS WHO CARE ABOUT TEENS

## What can I do?

As parents and adults who care about teens:

- Make sure teens get regular health checkups that include immunizations. The American Academies of Pediatrics and Family Physicians recommend a health checkup for all youth 11–12 years. This visit is a good time to make sure immunizations are up-to-date or to get any that are needed.
- Ask about immunizations any time teens see their doctor or nurse, like during sports physicals and other checkups.
- Get teens any missed immunizations before they graduate from high school.
- Make sure teens have a complete record of all immunizations. They may need it to show proof of immunization for college, travel, employment, or the military.

## Which immunizations do teens need?

Pneumoccocal (PPV)

Catch-Up Immunizations Recommended for teens who didn't get these	se childhood vaccin	es.
Recommended for teens who didn't got	2 doses	
Hepatitis A	3 doses	
Hepatitis B	2 doses	for toons younger than 18 years.
Measles, Mumps, and Rubella (MMR) 2 doses 3 doses	3 doses	Only for teens younger than 18 years.  Teens who had chickenpox don't need to be vaccinated, but record date of disease in their immunization record.
Polio	2 doses	
Varicella (Chickenpox)		Illinoise

unio	, Jonat
Immunizations for At-Risk Teens Recommended for teens with certain health conditions or weal 1 dose/year	kened immune systems.  For teens with chronic conditions such as asthma or diabetes, teens with weakened immune systems, teens who are pregnant, and teens who are family members or caregive
Infiliting at the steens with certain health conditions	For teens with children who are pregnant, and teens will all the
Recommended for tooks and a fundary sur	immune systems, teens who seems to the seems with t
Influenza (flu)	of high-risk people.
	with chronic conditions of weakered a

Parent Survey Results — Of the 337 parents surveyed:

- > 94% understood the importance and purpose of immunizations
- > 78.9% would like to receive information about adolescent immunizations from their doctor
- > 40% would like to receive information from the school nurse
- > 70.6% of parents would like to receive information about adolescent immunizations in written form
- > 41.5% would like to receive the information orally

Fiver design process — As a result of the surveys, the MO Adolescent Immunization Outreach Committee was able to find a pre-existing flyer to borrow. The Washington State Department of Health created a parent-friendly flyer that was adapted for the Missouri efforts.

### SUMMARY -

- 1. Parents believe adolescent immunizations are 'very important.'
- 2. Parents like to receive information about adolescent immunizations from their doctor and from the school nurse
- 3. Parents would like to receive their information about those immunizations in written form and orally

### **CONCLUSIONS** –

- 1. Providers and school nurses play an important role in conveying health information including adolescent immunizations
- 2. Parents trust doctors and school nurses for immunization information
- 3. Distributing a parent flyer about adolescent immunizations through school nurses is a viable strategy to increasing parent knowledge

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# Capturing Adolescents' Attention to Inform of New Immunizations

# StartwithFour.org - Teen Flyer Development

Introduction — The increase in vaccine-preventable disease in adolescents and the recent surge in the number of pediatric vaccinations leave many adolescents under vaccinated. The goal of the Missouri Adolescent Immunization Outreach Initiative was to increase compliance with the current immunization schedule for adolescents through outreach and education of adolescents and parents.

### Campaign Intent –

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The campaign worked with schools as a primary location for reaching the target audience and disseminating the campaign messages.

**Objectives** — In order to design appropriate and effective campaign materials, members of the initiative sought to:

- > To determine adolescent knowledge of adolescent immunizations
- > To establish how adolescents access health information
- > To ascertain from whom adolescents like to receive health information
- > To determine adolescent response to proposed flyer

**Methods** — Three primary methods were used to determine adolescent knowledge of adolescent immunizations and from whom and how adolescents access health information. Those methods included a limited literature review, a focus group and an adolescent survey.

Limited Literature Review — In one small study of 14 students'



searching methods for accessing health information, the majority reviewed only one page of the majority of sites visited. The study indicated they skipped around and did not use a systematic method to review the information. They scanned pages quickly and jumped from place to place. They indicated that they avoided sponsored links and gave little consideration to the source of an answer.

< 50% of 308 College Students DID NOT KNOW **Difference between Primary/Secondary Web Sources** 

67% DID NOT KNOW How to Use **Advance Searches** 

49% of 412 10th Graders DO Access Health Information on the Internet

of 10th graders access Health Information on the internet

#### Adolescent Survey & Focus Group Results -

One hundred and eight students ranging in age from 11 to 19 completed a survey which had similar results as the focus group (12 participants). The results showed that teens:

- > Understood the importance and purpose of immunizations
- > Thought any needle stick was an immunization
- > Liked to receive health information from a variety of resources
- > Wanted eye-catching materials

T YOUR SHOTS! GET YOUR SHOTS! GET YOUR SHOTS! GET YOUR SHOTS! GET YOUR SHOTS what's going on or SHOULD we say Meningitis: YOU DON'T Bacteria spread through coughing, sneezing, kissing, or sharing anything by mouth, like utensils, cups/glasses, toothbrushes, sports Lockjaw, whooping cough and diphtheria These diseases can lead to muscle spasms, mouthpieces, musical mouthpieces breathing and heart problems, pneumonia, Can cause pneumonia, blood infections SHOTS! breathing and near cpromeins, pheathorn seizures, brain damage, coma, paralysis swelling of the brain and spinal cord, high fever, brain damage, loss of hearing or loss GET What to do: What to do: Get your shots! Get your shots! For all teens 11 and older For all teens 11-12 year olds through Ask your doctor, school nurse or college age A Million Ways to Ask your doctor, school nurse or parent I GET YOUR Save the World let's start Flu: with four. I GET YOUR SHOTS! Virus spreads through coughing or sneezing Can be very serious for other family members that are either younger or older or have other chronic conditions like asthma, heart disease, or diabetes SHOTS! What to do: Get your shots! Especially for those with chronic conditions 1 dose every year YOUR or those who are pregnant or who have family members with chronic conditions second of pain or a world of hurt www.StartwithFour.org This design was created by teens for teens.

Maternal, Child and Family Health Coalition

Developed with grant support from the Centers for Disease Control and Prevention through the Missouri Department of Health and Senior Services.

S THE SHOTS! GET YOUR SHOTS!

Fiver design process — Three teens volunteered to design the adolescent flyer. After conducting a "gallery walk" where the teens reviewed existing adolescent immunization materials, rating them for their effectiveness and a brief education session on adolescent immunizations, the adolescents designed a flyer. Their comments and discussion of both the gallery walk items and their design were recorded. Both the design and the recording was turned over to a professional graphic designer to refine. A meeting was held between the graphic designer and the adolescents to see the refinement of their product and to make final changes.

Test Results — The flyer was then tested at several high schools and one middle school. Over 370 pre and post surveys were collected.



### Teens who tested the flyer –

- > Increased in knowledge of adolescent immunizations
- > Increased adolescents' intention to discuss immunizations with adults
- > Found the flyer easy to understand
- > Felt it looked interesting

#### SUMMARY -

- 1. Adolescents receive their health information predominately from parents, physicians, school nurses and increasingly from web sites
- 2. Adolescents want to receive health information from a variety of sources internet, people (parents, physicians, nurses), books
- 3. Adolescents will search web sites on a limited basis
- 4. Flyer increased adolescents' knowledge of adolescent immunizations and intention to discuss immunizations with parents, providers and nurses

#### CONCLUSIONS -

- 1. Information on web site should be complete on the home page and one additional page to convey the bulk of the information and key messages
- 2. Educating parents, providers and school nurses on their role in conveying health information including adolescent immunizations is important
- 3. The flyer designed by teens for teens successfully increased intention to discuss immunizations with significant adults in their lives and increased their knowledge of adolescent immunizations

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