Parents' attitudes towards routine children's immunization in the Republic of Belarus in COVID-19 pandemic

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Vaccines for Children

Protecting America's children every day

The Vaccines for Children (VFC) program helps ensure that all children have a better chance of getting their recommended vaccines. VFC has helped prevent disease and save lives.



CDC estimates that vaccination of children born between 1994 and 2018 will:

prevent 419 million illnesses



more than the current population of the entire U.S.A.

(26.8 million hospitalizations)

help avoid 936,000 deaths





save nearly \$1.9

trillion in total
societal costs
(that includes \$406 billion in direct costs)





more than \$5,000 for each American

Updated 2016 analysis using methods from Benefits from immunitation during the Woodnes for Children Program Era -- United States, 1994-2013."



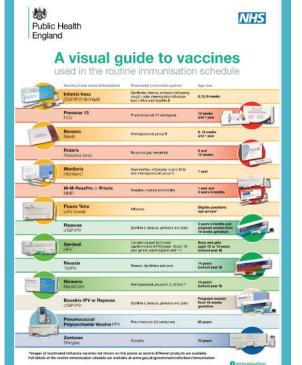
U.S. Department of Health and Human Services Centers for Disease Control and Prevention

www.cdc.gov/features/vfcprogram

Приложение 1 к постановлению Министерства здравоохранения Республики Беларусь 17.05.2018 № 42

Напиональный календарь профилактических прививок

Перечень инфекций, против которых проводятся профилактические прививки	проведения профидактических прививок	
Вирусный гепатит В	Новорожденные в первые 12 часов жизни, дети в возрасте 2, 3, 4 месяцев	
Туберкулез	Новорожденные на 3 - 5-й день жизни	
Пневмококковая инфекция	Дети в возрасте 2, 4 и 12 месяцев	
Дифтерия, столбняк, коклюш, гемофильная инфекция	Дети в возрасте 2, 3, 4 месяцев	
Дифтерия, столбняк, коклюш	Дети в возрасте 18 месяцев	
Полиомиелит	Дети в возрасте 2, 3, 4 месяцев и 7 лет	
Корь, эпидемический паротит, краснуха	Дети в возрасте 12 месяцев и 6 лет	
Дифтерия и столбняк	Дети в возрасте 6 лет, 16 лет, взрослы возрасте 26 лет и каждые последуюл 10 лет жизни до достижения возраста лет	
Дифтерия	Дети в возрасте 11 лет	
Грипп	Дети в возрасте с 6 месяцев и взрослые	







Childhood Immunisation Schedule

Birth	Hepatitis B (usually offered in hospital)
(can be given from 6 weeks of age)	Diphtheria, tetanus, whooping cough, hepatitis B, polio, Haemophilus influenzae type b (Hib)
	Pneumococcal
	Rotavirus
	Meningococcal B—Aboriginal and Torres Strait Islander children
4 months	Diphtheria, tetanus, whooping cough, hepatitis B polio, <i>Haemophilus influenza</i> e type b (Hib)
	Pneumococcal
	Rotavirus
	Meningococcal B—Aboriginal and Torres Strait Islander children
	Diphtheria, tetanus, whooping cough, hepatitis B polio, <i>Haemophilus influenza</i> e type b (Hib)
	Pneumococcal—Aboriginal and Torres Strait Islander children in Old, NT, WA and SA
	Meningococcal ACWY
	Measles, mumps, rubella
	Pneumococcal
	Meningococcal B—Aboriginal and Torres Strait Islander children
	Haemophilus influenzae type b (Hib)
	Measles, mumps, rubella, chickenpox
	Diphtheria, tetanus, whooping cough
	Hepatitis A—Aboriginal and Torres Strait Islander children in Qid, NT, WA and SA
4 years	Diphtheria, tetanus, whooping cough, polio
	Pneumococcal—Aboriginal and Torres Strait Islander children in Old, NT, WA and SA
	Hepatitis A-Aboriginal and Torres Strait Islander children in Qld, NT, WA and SA

Influenza vaccine is funded for:

— Children 6 months and over with specified medical lisk conditions.

— All children aged 6 months to less than five years of age.

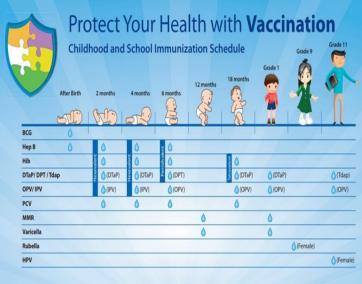
— Aboriginel and Torres Strait Islander children aged 5 months and over.

Additional meningospecial and pneumospecial vaccines are also

NIP funded for people with specified medical risk conditions

800 555 www.haad.ae

Hep B: Hepatitis B



BCG: Bacillus, Calmette-Guerin (against tuberculosis)

DPT: Diphtheria, Pertussis and Tetanus

NATIONAL VACCINATION SCHEDULE

DTaP: Diphtheria, Tetanus, and acellular Pertussis

Hexavalent: DTaP, Hib, Hep B and IPV Hib: Haemophilus Influenzae Type B HPV: Human Papillomavirus IPV: Inactivated Poliovirus Vaccine

MMR: Measles, Mumps and Rubella

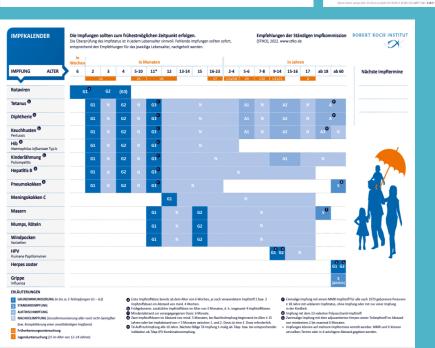
OPV: Oral Poliovirus Vaccine PCV: Pneumococcal Conjugate Vaccine

Pentavalent: DPT, Hib and Hep B Tdap: Tetanus, reduced Diphtheria and reduced Pertussis

Tetravalent: DTaP and Hib

OF HEALTH

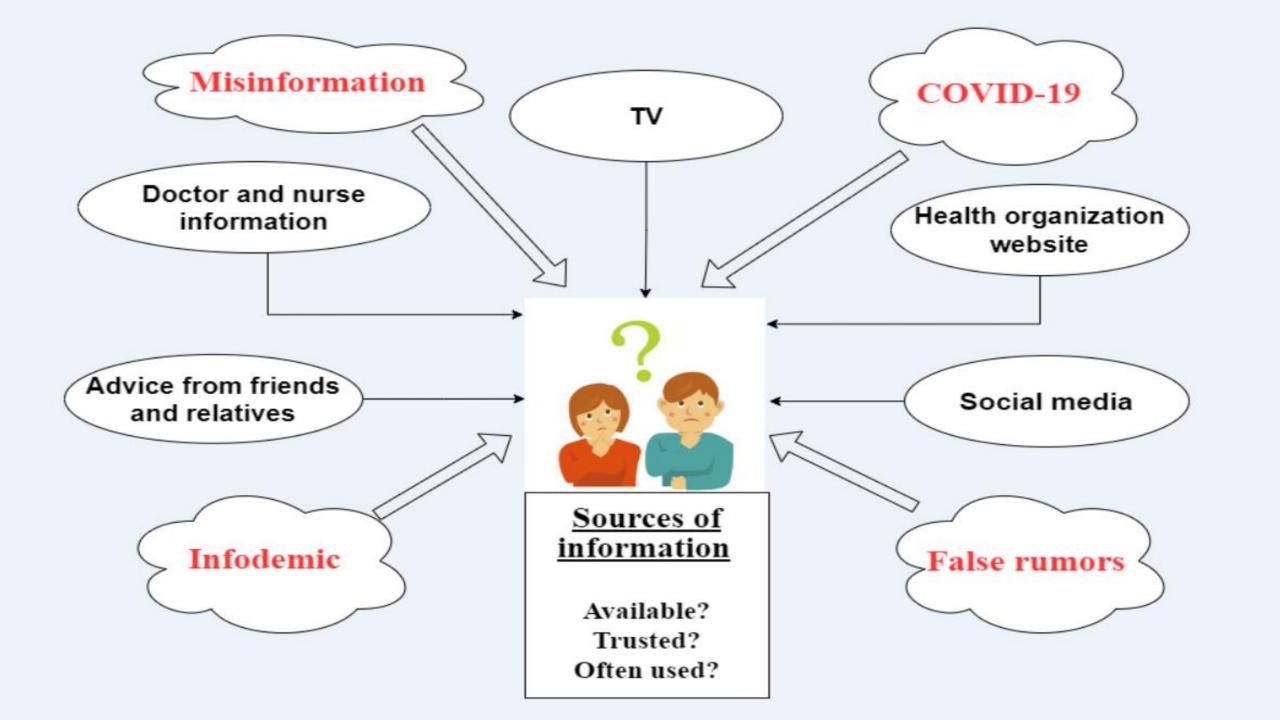
م الصحة-أبوظي HEALTH AUTHORITY - ABU DHABI





https://www.123rf.com/photo_137938445_stock-vector-a-young-woman-is-thinking-aboutwhat-decision-to-make-the-concept-of-choice-yes-or-no-doubts-worries.html





The aim of this study

- To analyze parents' attitudes towards routine vaccination in Republic of Belarus
- To identify their sources of information about vaccination
- To identify if the COVID-19 pandemic change parents' attitudes towards routine vaccination

- ➤ Data were collected from July to October 2022 using a survey (Google form) by social networks (Instagram, Telegram, Viber, WhatsApp).
- ➤In total, 459 questionnaires were received.
- ➤ 427 questionnaires were analyzed after applying the inclusion criterion by Jamovi 2.2.5.

Parents' attitudes towards routine children's vaccinations

Statement	Agree	Difficult to answer	Disagree
Children should be vaccinated	85.2%	4%	11%
Vaccines are effective	83.4%	6.1%	10.5%
My attitude towards routine children's vaccinations change by COVID-19 pandemic	11%	19.2%	69.8 %
* - no significant differences by age, gender, and having medical education Hesitancy			Hesitancy

Sources of information

Sources	The most available	The most trusted	The most used
Information received at the appointment from a doctor or nurse		+	+
Health organization website	+	+	
Social media	+		+
Advice from relatives and friends			
TV			

Statement	Agree	Difficult to answer	Disagree
I can indicate that information about the vaccination of children in the media or on the Internet site is unreliable (false)	47.5%	35.1%	17.3%
- people with medical education	70.9%	13.9%	15.1%
- people without medical education	41.6%	40.5%	17.9%

^{* -} differences are significant (x2=26.4, p<0.001)

Sources of information

Statement	Agree	Difficult to answer	Disagree
The pediatrician recommended sites where you can find information about children's vaccinations	7%	9%	84%
I receive all the necessary information about the vaccination of children at the pediatrician's appointment	23%	14%	63%

Conclusion

- Parents who took part in the survey have a positive attitude towards routine vaccination of children in the Republic of Belarus and believe that vaccines are effective.
- The COVID-19 pandemic has not caused significant changes in parents' attitude towards routine children vaccination.
- Parents sources of information about vaccination requires attention and action.

Recommendations

It will be useful to create mobil application with rialible information about children vaccination that doctors can recommended to use for parents.

Thank you for your attention!

Stay healthy!