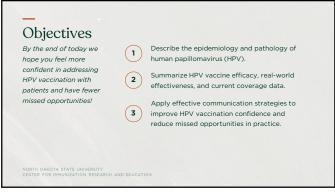


Proportion of adolescent vaccine missed opportunities (MO) at well child visits

Greatest increase in MO are for HPV vaccination

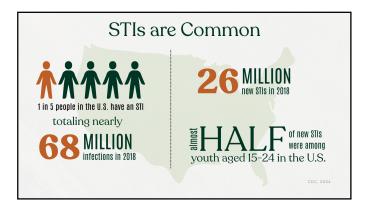
\*\*RESPECTATE UNIVERSITY\*\* CENTER FOR IMMARIZATION RESEARCH AND EDUCATION

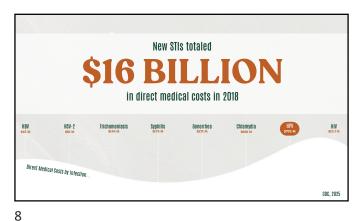
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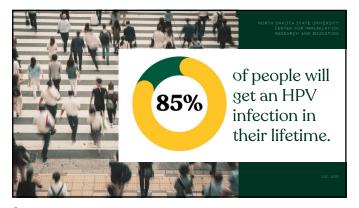


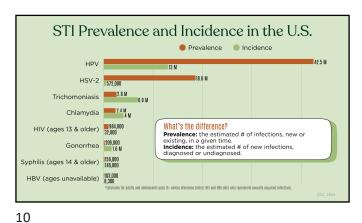


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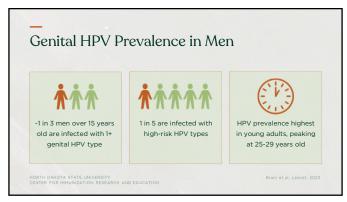




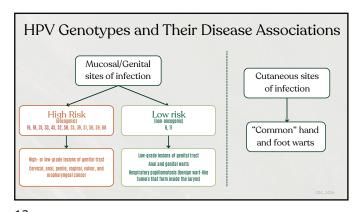


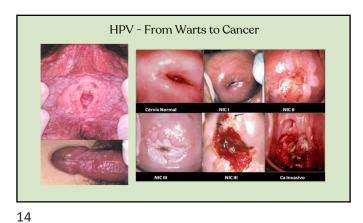


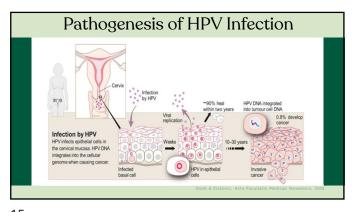


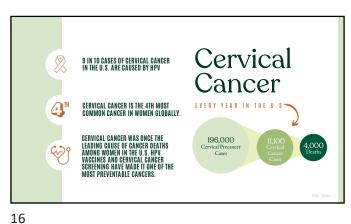


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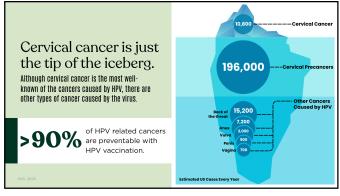


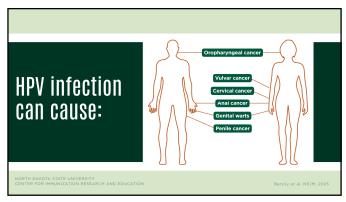




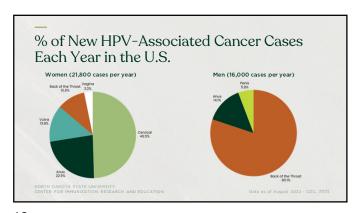


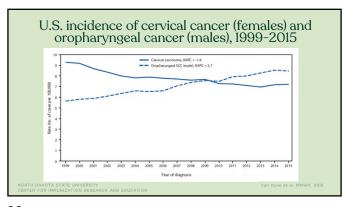
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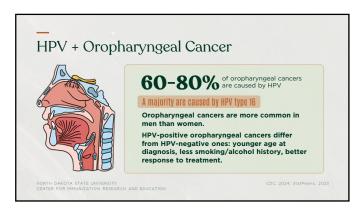


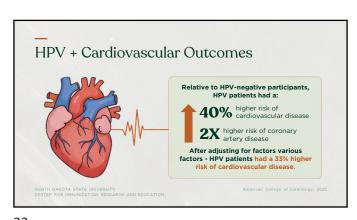


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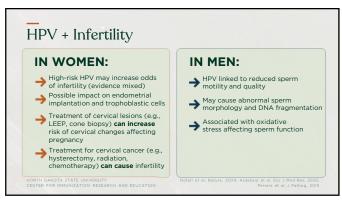


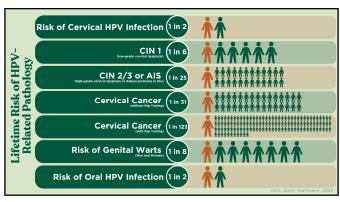






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Put HPV in Perspective: Incidence of Disease in Pre-Vaccine Era

40000

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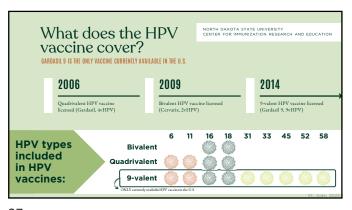
Invasive Hib

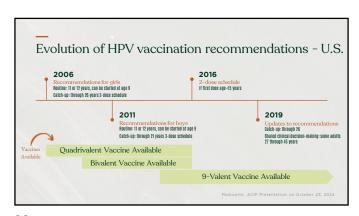
HPV Related Cancers

CDC, 2024

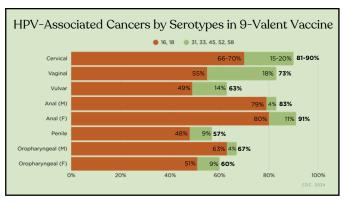


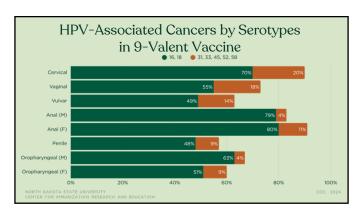
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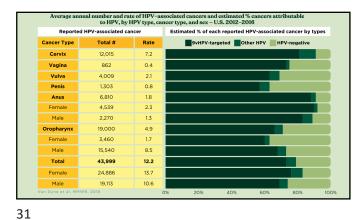


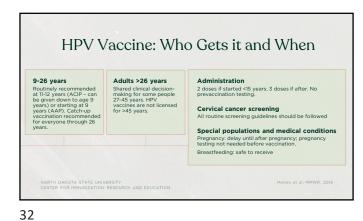
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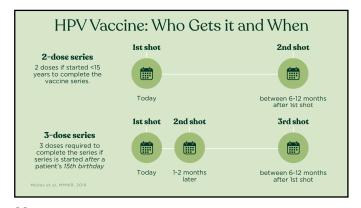


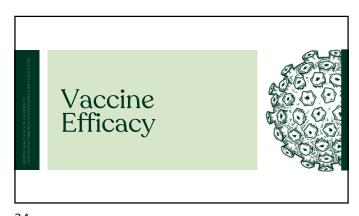


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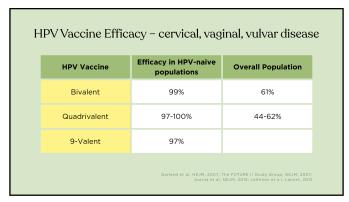




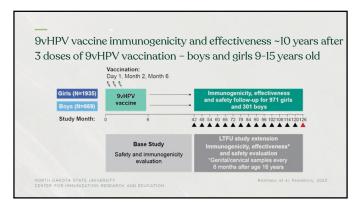


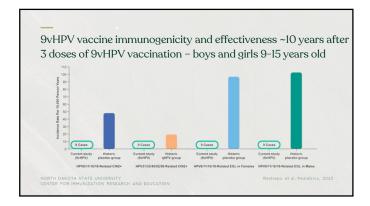


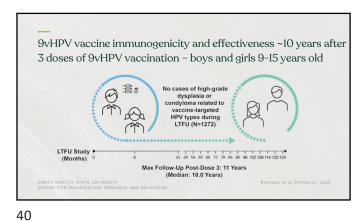
•	its among patients ago Vaccine		Placebo		
Clinical endpoint	# of people	# of cases	# of people	# of cases	Vaccine efficacy % (95% CI)
Cervical Cancer: HPV 16/18-related CIN 2/3 OR AIS	8,493	2	8,464	112	<b>~98%</b> (93.5, 99.8)
Vulvar Cancer: HPV 6/11/16/18-related VIN 2/3	7,772	0	7744	10	100% (55.5, 100)
Vaginal Cancer: HPV 6/11/16/18-related ValN 2/3	7,772	0	7,899	9	100% (49.5, 100)
Anal Cancer in Males: HPV 6/11/16/18-related AIN 2/3	194	3	208	13	<b>~75%</b> (8.8-95.4)
	Gardasil 9		Gardasil		
Clinical endpoint	# of people	# of cases	# of people	# of cases	Vaccine efficacy % (95% CI)
HPV 31/33/45/52/59-related CIN 2/3, AIS, VIN 2/3, VaIN 2/3	6,016	1	6,017	30	<b>~97%</b> (80.9, 99.8)









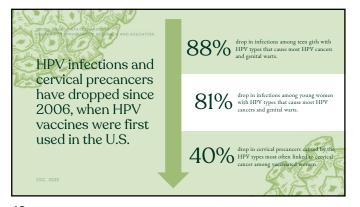


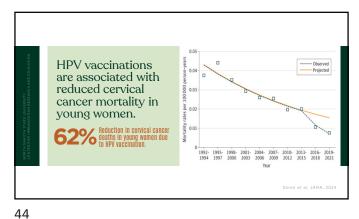
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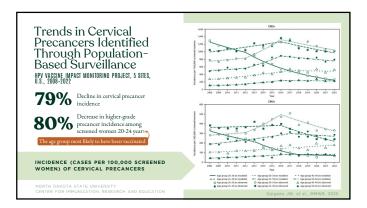


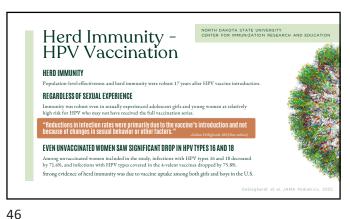


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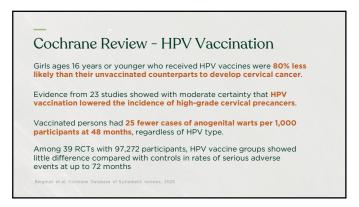


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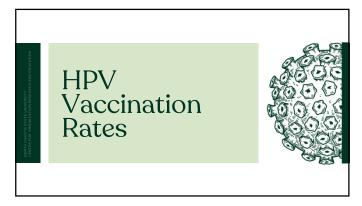


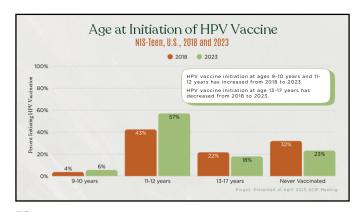


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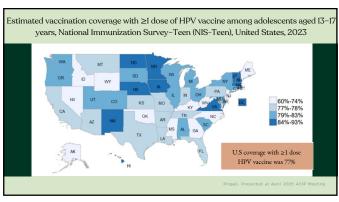


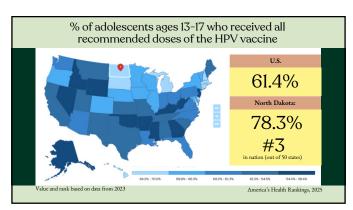




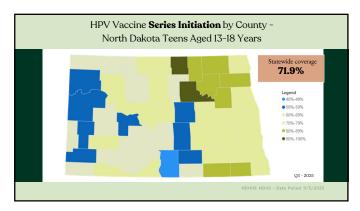


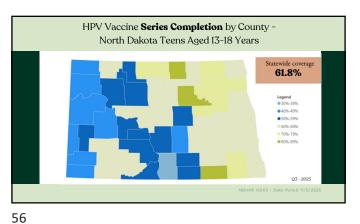
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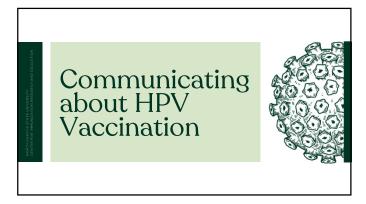


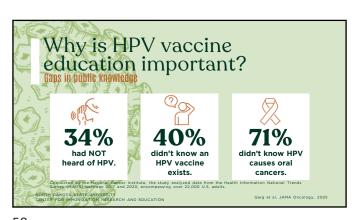


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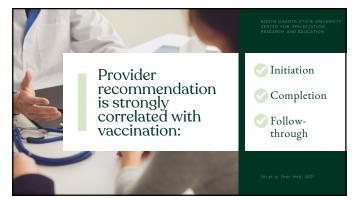






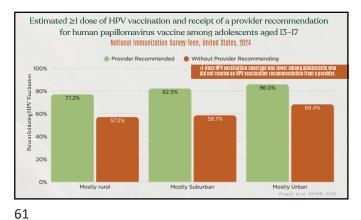


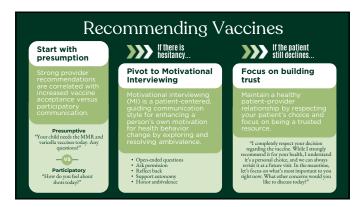
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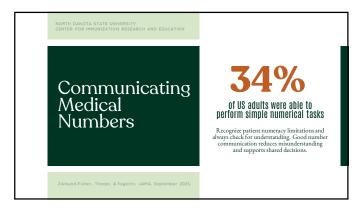


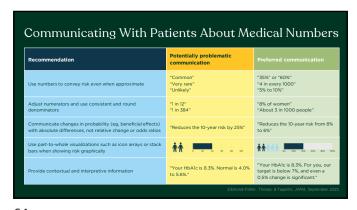


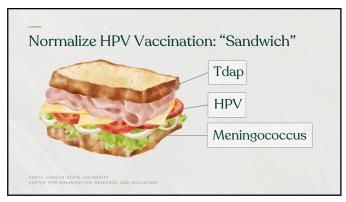
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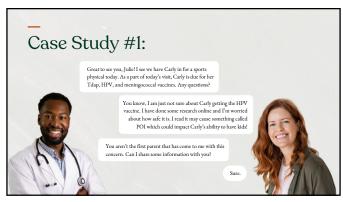


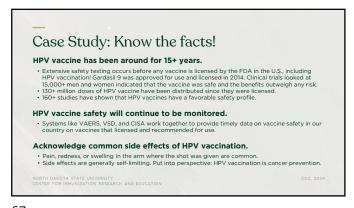


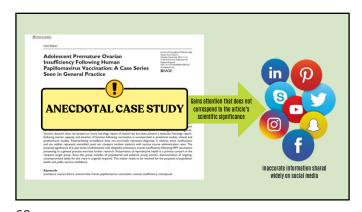


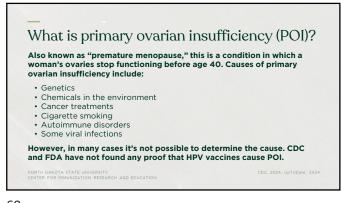


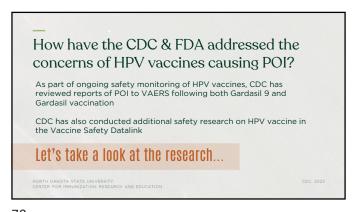












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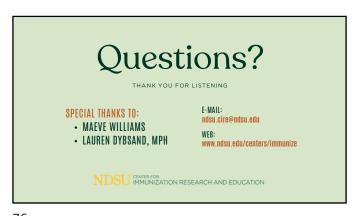


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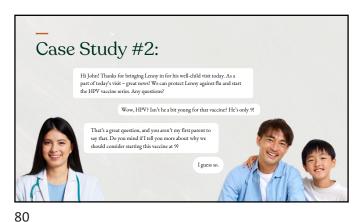


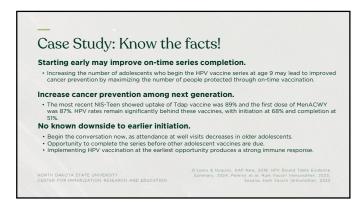


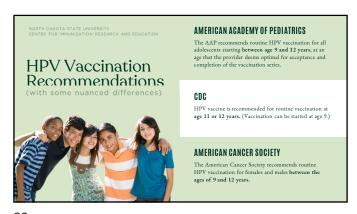


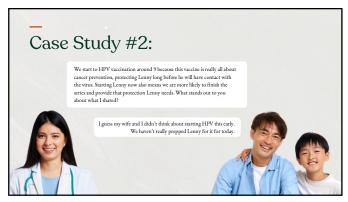
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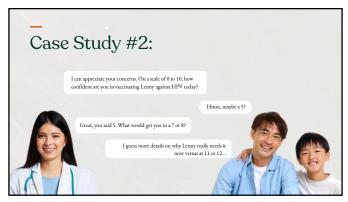


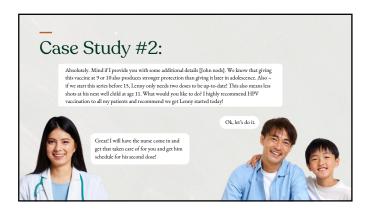






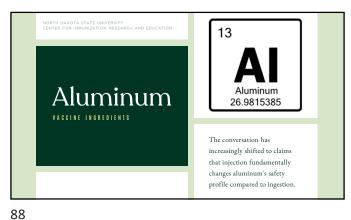








What is in a vaccine?					
	Purpose		Most Common Source Found  From drinking water, infant formula, or taking antacids, buffering aspirin, & antiperspirants		
Adjuvants	Improve the body's immune response to antigens	Aluminum salts			
Preservatives	Prevent contamination	Thimerosal (only in multi-dose vials of flu vaccine)	From eating foods such as certain kinds of fish		
Stabilizers	Maintain vaccine potency during transportation and storage	Sugars, gelatin	From eating Jell-O		
Residual antibiotics	Prevent contamination by bacteria during manufacturing process	Neomycin	Antibiotics people are most likely allergic to - like penicillir - aren't used in vaccines		
Residual inactivating ingredients	Killed virus or inactivate toxins during the manufacturing process	Formaldehyde	Resides in body naturally		
Residual cell material To grow enough of the virus or bacteria to make the vaccine		Egg protein	From eating foods containing eggs		



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