

Real-World Effectiveness of the Varicella Vaccine among Children and Adolescents in Qatar: A Case–Control Study

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Supplementary material file

Supplementary Table S1: Cases distribution in PHCC

Health center	2017	2018	2019	Total Freq(%)	1-18 Years old PHCC visited patients in 2017-2019	Chicken Pox cases per PHCC visited patients (%)
ABN Abu Nakhla	2	14	19	35 (4.1)	16359	0.21
ABS Abu Baker	0	34	41	75 (8.7)	25775	0.29
ARP Airport	0	10	3	13 (1.5)	19202	0.07
DYN Al Daayen	0	4	3	7 (0.8)	12440	0.06
GHR Gharrafat	10	43	26	79 (9.2)	29355	0.27
GHW Leghwairiya	0	1	0	1 (0.1)	554	0.18
JUM Jumailiya	0	0	1	1 (0.1)	683	0.15
KHR Al Khor	6	18	2	26 (3.0)	12015	0.22
LBB Leabaib	0	27	39	66 (7.7)	21960	0.30
MES Mesaimeer	0	22	36	58 (6.7)	41747	0.14
MKH M-Khalifa	0	24	12	36 (4.2)	18823	0.19
MUA Muaither	0	19	39	58 (6.7)	18033	0.32
OBK Al Khatab	17	18	23	58 (6.7)	12798	0.45
QUN Qatar Univ	0	0	6	6 (0.7)	5342	0.11
RAK Rawdat	0	19	31	50 (5.8)	30833	0.16
RUW Al Ruwais	0	1	2	3 (0.3)	2408	0.12
RYN Al Rayyan	0	13	13	26 (3.0)	23474	0.11
SHN Sheehaniya	24	23	20	67 (7.8)	8510	0.79
THM Al Thumama	0	13	19	32 (3.7)	19156	0.17
UMG Um Ghalina	0	7	10	17 (2.0)	13197	0.13
UMS Umm Slal	0	23	16	39 (4.5)	17973	0.22

WAB Al Waab	0	3	10	13 (1.5)	9433	0.14
WAJ AL Wajbah	0	9	18	27 (3.1)	11878	0.23
WAK Al Wakra	0	21	12	33 (3.8)	34765	0.09
WBC West Bay	4	17	15	36 (4.2)	14727	0.24
Total	63	383	416	862	423156	0.20

Table S2

Supplementary Table S2: Nationalities of the cases according to the geographical regions.

Region/ nationality	Freq. (n)	Percent (%)
Asia		
Bangladeshi	10	1.16
Filipino	13	1.51
Indian	78	9.05
Pakistani	58	6.73
Sri Lankan	2	0.23
Middle East & Africa		
Bahraini	2	0.23
Egyptian	86	9.98
Iranian	11	1.28
Iraqi	2	0.23
Palestinian	23	2.67
Jordanian	29	3.36
Lebanese	5	0.58
Omani	6	0.70
Qatari	408	47.33
Saudi	14	1.62
Syrian	27	3.13
Yemeni	35	4.06
Africa		

Algerian	2	0.23
Eritrean	1	0.12
Ethiopian	2	0.23
Moroccan	1	0.12
Nigerian	3	0.35
Somali	2	0.23
Sudanese	18	2.09
Tunisian	7	0.81
Europe		
British	6	0.70
Americas		
American	9	1.04
Canadian	2	0.23
Total	862	100

Supplementary Figure S1

Qatar Immunization services: link: <https://www.moph.gov.qa/english/OurServices/eservices/Pages/Baby-Immunization%E2%80%8B%E2%80%8B.aspx>



IMMUNIZATION SCHEDULE IN THE STATE OF QATAR 2019

AGE	BIRTH	2 MONTHS	4 MONTHS	6 MONTHS	12 MONTHS	18 MONTHS	2 YEARS	4-6 YEARS	13-18 YEARS
VACCINE									
BCG	BCG								
HEPATITIS B	Hepatitis B								
PENTA				Penta					
HEXA		Hexa 1	Hexa 2						
TETRA						Tetra *			
DTaP								DTaP B**	
Tdap									Tdap
ROTAVIRUS		Rota 1	Rota 2						
OPV				OPV 1		OPV 2		OPV 3	
PCV 13		PCV 1	PCV 2	PCV 3					
MMR					MMR 1	MMR 2			
VARICELLA					Varicella 1			Varicella 2	
HEPATITIS A					Hepatitis A (2 doses with 6 months interval)				
MENINGOCOCCAL ACYW135							Meningococcal		
INFLUENZA				Influenza					

■ Routinely recommended vaccines.

■ Influenza vaccine recommended annually from 6 months and above during flu season especially for high risk persons.

■ Meningococcal vaccine is recommended for children at 2 years of age, high risk persons and travelers to endemic areas

■ Two doses of Hepatitis A vaccine is recommended for children and adolescents with frequent travel to high risk countries.

1. **MMR:** Measles, Mumps, Rubella

2. **HEXA:** Hepatitis B, DTaP, Hib, IPV

3. **PENTA:** Hepatitis B, DTP, Hib

4. **TETRA:** DTaP, Hib

* DTaP alone or Pentaxim or any vaccine containing DTaP may be used at 18 months if Tetra is not available. DTaP/DTP/DT vaccine should not be used above 6 years of age. Use Tdap/Td instead.

** Tdap (Boostrix brand) can be used if DTaP is not available.

For more information, please call
Hotline: 66740948 - 66740951



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