

























© CHCA 2018















Hepatitis B Virus
Direct-contact

• 95%-100% efficacy pre-exposure

SE: irritability, headache, fatigue, pain/redness at injection site

<u>Routine:</u> 2-dose* schedule for grade 7 students give 4-6 months apart depending on the product used



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Hepatitis B (Recombivax)









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MMR		A		
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 Nipin is 6 months old and attends the clinic for her well child visit with her mother. According to her chart she is up to date with her immunizations. Which immunizations would you provide at this visit?

 Which vaccines would you review with the family for her next visit?

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Case Study #1











Comparison of Effects of Diseases and Vaccines Effects of disease* Side effects of vaccine Pre-vaccine incidence Post-vaccine incidence Diphtheria DTaP/IPV/Hib vaccine: serious adverse events following immunization are rare. The most common Symptoms result from local infection of the respiratory tract adverse reactions are redness, swelling and pain (which may lead to breathing difficulties) or of the skin or mucosal surfaces, or from dissemination of diphtheria toxin, at the injection site. Systemic reactions such as fever and irritability are less common. Redness and which damages the heart and central nervous system. The swelling greater than 3.5 cm diameter, with minimal case fatality was about 5% to 10%, with highest death pain, are more common in children receiving the fifth rates occurring in the very young and the elderly. consecutive dose of vaccine at 4 to 6 years of age, 5-year period: 2000-2004 5-year period: 1925-1929 and have been reported in up to 16% of children. In Avg. annual rate: 84.2 Avg. annual rate: 0 older persons receiving the Td booster, injection site Peak annual no: 9,010 cases Peak annual no: 1 case reactions are reported by about 10% of recipients. **Comparison of Diphtheria vs Vaccination** © CHCA 2018

Effects of o	disease*	Side effects of vaccine
Pre-vaccine incidence	Post-vaccine incidence	
Measues Complications such as bronchopr occur in about 10%. Encephalitis (fatal in 15% and neurologic seq sclerosing panencephalitis is a ri Case fatality < 0.05%. With 2-dose schedule, indigenou eliminated in Canada.	neumonia and otitis media s occurs in 1/1,000 cases uelae in 25%). Subacute are but fatal complication. s measles has been I	Measies vaccine is given in combination with mumps and rubella (MMR). MMR vaccine: Malaise and fever, with or without a non-infectiou rash in about 5%; up to 1% of recipients may develop parotitis, about 5% have swollen glands, stiff neck or joint pains. Transient arthralgias or arthritis may occur and are more common in post
5-year period: 1950-1954 Avg. annual rate: 369.1 Peak annual no: 61,370 cases	5-year period: 2000-2004 Avg. annual rate: 0.2 Peak annual no: 199 cases	About 1/30,000 develop transient thrombocytopenia, 1/1 million develop encephalitis.





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Client's Name: (last name, first name, middle name)		· · · · · · · · · · · · · · · · · · ·		
DOB: (dd/MMM/yyyy)		Enter additional of information on p	:lient age 2	
Immunization Screening Questi with client/caregiver & document by a	OIIS Community Health Nurse to discuss ppropriately checking:	Date (ad/NON//2020):	Provider Initials:	r.
9 M 2035 VE 796 -	1 1982 of 629 20106438 MC	53 - 624	YES	NO
1. Do we need to make any corrections to	your/client's name or date of birth? If so, wha	t changes?		
2. Have you/the client received any vacci	ne(s) that we do not know about?			
Have you/client received any vaccine{	s) in the past 4 weeks?			
 Have you/the client ever had a serious rash, etc.) 	reaction to a vaccine? (i.e. Guillain-Barré, diffi	ulty breathing or swallowing,		
5. Are you/the client feeling ill today? If y	es, tell me about your/the child's symptoms (fe	ver? loss of appetite? etc.)		
 Do you/the client have any allergies? (rubbing alcohol or food) 	antibiotics, antipyretics, previous vaccines, late	ex rubber, adhesive band-aids,		
 Do you/the client take any medication herbal/natural medicines} 	s on a regular basis? (prescription, over-the-co	unter medicine, traditional or		
 Do you/the client have any health cone transplant list, without a spleen, immu 	erns that require regular visits to a health care nocompromised, etc.)	professional? (i.e. on a		
9. Have you/the client received any bloo	d products/transfusions in the past year?			
10. Is it possible that you/the client could	be pregnant? (if applicable)			

HC.	FNIHB-OR PHU Immunization Ontario Region		Page 1	of2		Revised: Se	ptember 2015
	serves from the one beams	_	- Signatu	in a contraint (rec)			
Pre	ovider Name (please print)	-	Signatu	re + Credentials (i.e.)	RN)		chart. Initials
	0						if additional nursing notes were added to
V11	Teach: benefits & risks of vaccination	All nur	sing docum	entation completed		15 minutes wait post-	Check how
-	Client's immunization history reviewed	Teach	manageme	nt of minor side effects		Next appointment sch	eduled (pm)
	Anaphylaxis kit prepared & available	Teach	signs & syn	nptoms of reaction		Yellow immunization	card (if available)
M	andatory Nursing Actions: Check	e <i>ach item wi</i> Immunizati	nen comple on Suppor	ted. If required, docum t Line @ 1-866-297-357	ratin 7 if n	Nursing Notes below eeded.	Provider Initials:
	nistory contained in the FNHIS may be shar- relevant Public Health Unit for the purpose on my immunization history for school attendar accordance with Regulation 645 of the Immu School Puplis Act.	ed with the of assessing ace in unization of	Date:	66,9006,999	Sig	nature of Person Givin	ng Consent:
5	I agree that my/my child's complete immuni	zation	5				
>	I understand the risks and benefits associate	d with and	4 Print Name of Person				ring consent:
>	I am aware that personal health information on this form may be put into a database &/or with another health care provider/agency, if required for my/my/child's care.	I am aware that personal health information collected on this form may be put into a database &/or shared with another health care provider/agency, if that is required for my/my child's care.			Derent Client Substitute Decision-Maker		
>	I have had the chance to ask questions, which answered to my satisfaction.	h were	1		Rei	lationship	
	the vaccine(s) that I/my child will be received	ng.	, accuracy	s) being orreat.		Written 🗆 Verbal	

Da	ate Vaccine(s) Given:	(dd;/MHM,/yyyy)	For kist rows be	Cros orical data (v low, check 7	s <u>off</u> any vacci acciates previo fintorical Data*	ine rows usly gives bas & pro	not used. a elsewhere) enter info in ovide date vaccine(s) given.	Provider Initials & Time Given
1	Vaccine Trade Name		SC D IN: D	PO: 0	Site: Ltarmil R Lting: D R	arm D	D "High Risk Criteria Met (rapicalis - reparat for ana policy todat recove)	Provider Initialis
Î	Lot # & Expliry1			Dose:	Series:	0 m	atorical Data Entry from:	Time:
2	Vacune Trade Name		SC: D	Resulte: SC: D PO: D Lt arm: D Rt arm: D IM: D ID: D Lt leg: D Rt leg: D		*High Risk Criteria Met (faplicatis - report for some pillo); forded record)	Fronidar Initials:	
	Lat # & Exploy:			Dose:	Series: #of	0 16	storical Data Entry from:	Time: hrs
3	Vaccine Trade Name		SC: D	PO: 0	Site: Ltares D Ro Ltleg: D Ro	tares D	Cl "High Risk Critteria Met (Apploats - report for ema patiety forded recored)	Provider
	Lot # & Expirys			Dose:	Series: #of	0 10	atorical Data Entry from:	Time: hrs
4	Vaccine Trade Name		Route: SC: D IM: D	PO: D ID: D	Site: Ltarm: D R Ltlep: D R	tarm O	CI "High Risk Criteria Met (happicitis - report for some patricity forded record)	Provider Installo
	Lot # & Expirys		10.000	Dose:	Series	0 m	atorical Data Entry from:	Time: hrs
5	Vaccine Trade Name.		Route: SC: D IN: D	PO: [] ID: []	Site: Ltarm: O fo Lting: O fi	arm D	High Risk Criteria Met (happoints - report for arrangeboy feeled record)	Provider Initialis
1	Lot # & Explays			Dose:	Series: 0180 #ef		storical Data Entry from:	Time: brs
P	rovider Name (please pri	int)	Sig	nature + G	edentials (i.	e. RN)		Initials
-	0	ross off any of the Sunu Fax comple	ued Vaccin ted page	e Trade Na 2 to : 61	me' boxes pe 3-952-01	riar to fa 77	uting	
ж	PNINE-OR PHU Internation Of	stario Region	Page 2 o	12			Ravised: Septemi	Her 2015













TST Reaction Size	Situation When Result is Considered Positive		
0 - 4mm	In general this is considered negative and no tx is indicated Child less than 5 years and high risk of TB infection		
5 - 9mm	 HIV infection Contact with infectious TB within the past 2 years Fibronodular disease on chest x-ray (healed TB but not previously treated) Organ transplantation (related to immune suppressant therapy) TNF alpha inhibitors Other immunosuppressive drugs e.g. corticosteroids End-stage renal disease 		
≥ 10mm	TST conversion (within 2 years) Diabetes, malnutrition Silicosis Hematologic malignancies		

chem bemograp	hic Information		* Indicates required inf	formation.
*Community Name:				
"Client's Name:				
<u>.</u>	(Last Name, First Name, Middle Initial)	Alternate Name		
*Unique Identifier:		*DOB: DD-MMM-YYYY		
Panorama identifier: Band Number:		*Gender: 🗌 Male 📄 Female 🛄 Undifferentiated		
Tuberculin Screen	ing Questions (to be completed by the Con sing questions by checking $()$ where appropriate	amunity Health Nurse-look in client chart fo 1	or previous TSTs or TB I YES	N0
nave you/has your cl	nuo nuo cuorerculosis r			-
 Have you/has your cl 	hild ever had a TB skin test on their forearm t	ut caused a blister/(ie allergic reaction)		
 Have you/has your cl 	hild ever had a TB Skin test that caused a bump	equal to or greater than 10 mm(size of a d	time)?	
If the c	lient answers YES to ANY of the above 4 quest	ions then they should NOT have a tubere	rulin skin test.	-
Consent for Tuber	culin Skin Test (TST)			
Consent for Tuber	culin Skin Test (TST) ined to me information about the TST.	*Form of Consent: 🗌 Written 🗌 Ver	rbal	
Consent for Tuber I have read or had expla	culin Skin Test (TST) ined to me information about the TST. ask questions, which were answered to my	"Form of Consent: Written Ver "Relationship: Parent Clien	rbal nt 🔲 Substitute Decisio	m-Maker
Consent for Tuber 1 have read or had expla 1 have had the chance to satisfaction. 1 understand the risks and 1 am aware that persona	culin Skin Test (TST) ined to me information about the TST. ask questions, which were answered to my nd benefits associated with this test. i health information collected on this form may	*Form of Consent: Written Ver *Relationship: Parent Clien Print Name of Person Giving Consent:	rbal nt 🗌 Substitute Decisio	m-Maker
Consent for Tuber have read or had expla- have had the chance to satisfaction. I understand the risks au- l an aware that persona- be shared with another I consent to having the to return for reading or	culin Skin Test (TST) ined to me information about the TST. ask questions, which were answered to my in benefits associated with this test. i health information collected on this form may foctor or nurse if that is required for my care. TST does and I am ouver that I am required fibe test in 48-72 hours.	*Form of Consent: Written Ver *Relationship: Parent Clien Print Name of Person Giving Consent: Signature of Person Giving Consent:	rbal rt 🗌 Substitute Decisio Date:	on-Maker
Consent for Tuber 1 have read or had explain 1 have had the chance to satisfaction. 1 understand the risks and 2 an aware that personan be shared with another 1 consent to howing the to return for rending of	culin Skin Test (TST) ined to me information about the TST. ask questions, which were answered to my ind benefits associated with this test, in beath information collected on this form may doctor or nurse if that is required for my care. TST done and I am aware that I am required (the test in 48-72 hours.	*Form of Consent: Written Ver *Relationship: Parent Clien Print Name of Person Giving Consent: Signature of Person Giving Consent: Relationship:	rbal nt 🗌 Substitute Decisio Date:	en-Maker

Test Spe	17 8 F 8.4 7 8 F 8.7 8 8			to see The second second	
*Date of Texts	cincation	Date of Rea	dine	est Results	
DD-MMM-YYYY		DD-MMM-Y	m		
"Time of Test::		*Time of Read	ting		
Dose: Route: Sit	t	"Induration:		1100	
	Inner aspect of Rt forearm Inner aspect of Lt forearm Other-		(mm mer Far inter back of t	surement is mandatory fo pretotion of the results o his form	r all results) re the CMART on the
Lot #		"Check only o	or:	and Surpaillance I TR	1 form
Please note 2 step Mantoux requ	ires a physician's order	- Negative	7 FILLOW LINES	ocea sui vennance LTD	(even
□ Step 1 of 2 □ Step 2 of	2	Follow Up	P No follow up required Repeat TST		
Print Name of Provider: Sig	nature of Provider:	Print Name	Print Name of Provider: Signature of Provider:		
After reading and records	to the test result, fax this page to	the appropriate m	unber below an	d place this form in the	client's chart.
	line	Taberratio Skin Test &	ecelto .	7	
	All Zones	FAX: 1-613-95	52-0177		













- Nurse will <u>inform</u> the <u>patient</u> that the AEFI will be reported to the local public health unit and Health Canada and that they will be contacted with recommendations for future immunization.
- The Zone CD Nurse forwards copies to the Zone Medical Officer, Local PHU and the Regional Communicable Disease Coordinator
- A copy of the AEFI report with <u>recommendation</u> for future immunization is sent by the Zone CD Nurse within two weeks who will contact the nurse

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Nurse will review recommendations with patient

Procedure for reporting AEFI



















Week 5	Mon	3	Tue	4	1.00
Гime	8:30 AM	5:30 pm	8:30 AM	5:30 PM	
Current	5.8	7.0	5.≯	6.0	
Max Temp	7.1	7.9	6.8	7.2	
Min Temp	3.4	3.2	2.8	TRACEARE	
initials	AA	Ъј	A4 OUT		
				J.S. Oceanization Nooe	

Clinic/Nurs	ing Station:		Date:				
Vaccine Generic	Vaccine Trade Name	Lot Number	Total Doses at Start of Month	Doses Received	Doses Wasted	Doses Lost to Cold Chain	Total Doses a End of Month
DTaP-IPV-							
Pneu-C-13			-				
Rotavirus							
MMR							
Men-C-C				-			
Varicella							
DTaP-IPV			Fax	ed to ZONE	OFFI	CE Mo	nthly
MMRV							
нв							
HPV							
Men-C- ACYW-135							
the second se							
Tdap			1				

Description Description Descri



Roll Half Sell		Contingency Plan Form	4. Contact the alte	mate sites identified be	ow to secure one location	to move the vaccines to.
Canada Canada		contingency rian roim		LTERNATE VACCIN	E STORAGE LOCATI	ONS
Name of Clinic/Nursing Station:			Site/co	npany name	Contact person	Contact numbers
Plan in Effect as of:			Alternate Storage			
Date Reviewed:			Alternate Storage			
1. When a cold chain incident is F	IRST discovered, not	fy the Primary and/or Alternate	Facility # 2 Alternate Storage			
Vaccine Personnel, as identifie Vaccine Personnel	d below:	Contact Numbers	Facility # 3			
PRIMARY		Home:	 If planning to transport the vaccines to an alternate subs pack the vaccines in appropriate monotored and minaster vaccine containers (i.e. Koolatron or hard sided cooler) for no longer than 8 to 12 hours. See Section 4.3.11 for specific details regarding packing vaccine for transport. 			vaccines in appropriately d-sided cooler) for no
		Pager:				
ALTERNATE		Home: Coll:				insport.
		Pager:	6. Clearly label the Clinic Nursing 5	tation and a list of the p	ide and outside with the ackaged vaccines, numb	name of the originating er of doses and lot
Determine whether the problem electrical disruption. If it is determined in the second seco	ent malfunction, human error or m cannot be resolved within 4 hours.	numbers, inser	a temperature monitori	ng device in each insulate	d container.	
prepare to activate the Conting possible).	ency Plan to move the	vaccines to an alternate location (if	PACKING MATERIALS Materials Number/Serial # Location			Location
3. Contact emergency delegated	staff to assist with the	situation as deemed appropriate, as	Included Containers	(P	f applicable)	
identified below:			in country our namero			
Emergency Delegated Staff	Title	Contact Numbers Home	Barriers (Cardboard, etc.)	oubble wrap		
		Celt				
2.	· · · · · · · · · · · · · · · · · · ·	Home	Ice Packsilce Dianke	<u></u>		
		Celt. Pager:	Temperature Monitor	ng Devices		
3.	-	Home: Celt	(Thermometers, Mon	loring Strips)		
0.00		Pager:				
4.		Home: Cell:				
		Pager:				
5.		Home: Cell	12.7			
		Pager:				
			ZONE CD NURS	IS REQUIRED TO HAVE A	NUPDATED COPY OF THE C	ONTINGENCY PLAN
	> MAVE AN UPDATED CO INSTRUCTY OF THE PRIM	ARY VACONE PERSONNEL		TO ENSURE ZONE CD N	IRSE HAS UP-TO-DATE FOR	M
ZONE CD MURSE IS REQUIRED T ON HAND. IT IS THE RESP	want with personal country and	TO EATE FORM	HC FNH-OK PHU Immun	Eation Pa	De 2 04 4	Last Nevsed, September 2011
ZONE CO NURSE IS REQUISED ON KAND, IT IS THE RESP TO ENSURE 20 HC FNIH-OR PHU Immunization	Page 1 of 4	Last Revised: September 2011				
ZONE CO NURSE IS REQUISED T ON HAND, IT IS THE RESP TO ENSURE 20 HC FNIH-OR PHU Immunization	Page 1 of 4	Last Revised: September 2011		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		









the thigh. It further states the old the limb used for vaccinar e dosing regimens included it sing, further adapted by and	hat the deltoid is not as e tion. In the tables below are be used with permission fr	effective as an absorption site as ased on most recent CIG and IAA rom FNIHB SK Region.	the mid-anterolateral thigh and to Crecommendations for weight base
e of Autoinjector: If 15 to not use under 15kg	6- 30 kg, give Junio	r dose; if > 30 kgs, give S	tandard dose;
Weight (recommended at all times)	Age (if weight not known)	Dose (1:1000) (IM) (0.01mg/kg body weight)	Dose by Autoinjector
Under 9 kg (18 lb)	0 - 6 months	0.05 ml (minimum per dose)	Not applicable
9 - 12 kg (18 - 28 lbs)	7 months - 2 yrs	0.1 ml	Not applicable
13 - 17 kg (29 - 39 lbs)	3 - 4 yrs	0.15 ml	*Junior Dose of 0.15mg after 15k
18 - 22 kg (40 - 50 lbs)	5 - 6 yrs	0.2 ml	Junior Dose of 0.15mg
23 - 27 kg (51 - 61 lbs)	7 - 8 yrs	0.25 ml	Junior Dose of 0.15mg
28 - 32 kg (62 - 72 lbs)	9 - 10 yrs	0.3 ml	Standard Dose 0.30mg
33 - 37 kg (73 - 83 lbs)	11 yrs	0.35 ml	Standard Dose 0.30mg
38 - 45 kg (84 - 99 lbs)	12 yrs	0.4 ml	Standard Dose 0.30mg
46 kg (100 lbs and up)	13 yrs of age and up	0.5ml (maximum per dose)	Standard Dose 0.30mg
apted with permission from FM	IIHB – Saskatchewan Regi	on based on CIG and IAC	









