Meningococcal vaccines

Newborn use only

Alert	If possible, complete the primary course of MenACWY vaccination with the same vaccine brand.						
	For people aged <10 years, Bexsero is the only registered Meningococcal B vaccine in Australia.						
Indication	Primary immunisation against meningococcal disease.						
Action	Induces antibodies again	Induces antibodies against meningococcal ACWY and B serogroups.					
Drug type	Vaccine.						
Trade name	Meningococcal B vaccines:						
	Bexsero - Recombinant meningococcal serogroup B vaccine (4CMenB).						
	Meningococcal ACWY va	Meningococcal ACWY vaccines:					
	Menveo (MenACWY-CRM) - Quadrivalent meningococcal conjugate vaccine.						
	Nimenrix (MenACWY-TT) - Quadrivalent meningococcal—tetanus toxoid conjugate vaccine.						
	Menactra - (MenACWY-D) - quadrivalent meningococcal–diphtheria toxoid conjugate vaccine.						
Presentation	Bexsero: 0.5 mL monodose pre-filled syringe						
	Menveo: 0.5 mL monodose pre-filled syringe or vial.						
	Nimenrix: 0.5 mL monodose vial with separate pre-filled syringe or ampoule of diluent.						
	Menactra: 0.5 mL monodose vial.						
Dose	0.5 mL Intramuscular as	0.5 mL Intramuscular as follows: (Refer to practice points)					
	Can be co-administered with other routine immunisations. Bexsero can also be administered						
	separately to other vacc	ines, with a minim	num 3 day	interval to reduce the risk of fever.			
	Meningococcal ACWY va	Meningococcal ACWY vaccine: (As of 21st October 2020, For 6 week – 11 month - not funded on the					
	National Immunisation F	Program except fo	r infants v	vho are medically at high risk of invasive			
	meningococcal disease (IMD). 12-month s	chedule is	funded for all infants)			
	Age at	Vaccine brand		Doses			
	commencement						
	6 weeks – 5 months	6 weeks – 5 months Menveo, Nimenrix		3 doses (8 weeks between 1 st and 2 nd dose; 3 rd			
				dose at 12 months of age)			
	6-8 months	6-8 months Menveo, Nimenrix		2 doses (2 nd dose at 12 months of age or 8			
		ŕ		weeks after 1 st dose, whichever is later)			
	9-11 months	Menactra		2 doses (2 nd dose at 12 months of age or 8			
				weeks after 1 st dose, whichever is later)			
	12-23 months			Menveo: 2 doses (8 weeks apart)			
		Menactra	,	Nimenrix: 1 dose			
				Menactra: 2 doses (8 weeks apart)			
				,			
	Meningococcal B vaccine (Bexsero):* (As of 21st October 2020, from 6 weeks – funded on the National						
	Immunisation Program for ATSI and infants who are medically at high risk of IMD.						
	Age at	Vaccine brand	Doses	. medically at high risk of hvib.			
	commencement	vaccine brand	Doses				
	6 weeks – 5 months	Bexsero	3 doses	(8 weeks between 1st and 2nd dose; 3rd dose at 12			
	o weeks 5 months	DEXSCIO		of age or 8 weeks after 2 nd dose, whichever is			
			later)	of age of 6 weeks after 2 dose, whichever is			
	6-11 months	Bexsero	3 doses (8 weeks between 1 st and 2 nd dose; 3 rd dose at 12				
		DEXSCIO		of age or 8 weeks after 2 nd dose, whichever is			
				later)			
	, ,						
	12-23 months Bexsero 2 doses (8 weeks apart)						
	*3 doses of paracetamol, starting within 30 minutes prior to vaccine administration and subsequently						
	4-6 hours apart are recommended.						
	Infants with specified modical conditions with ingressed risk of IMAD.						
	Infants with specified medical conditions with increased risk of IMD:						
Daga adlinatura i		Refer to Australian Immunisation schedule (1) Therapoutic bypothermia: Not applicable					
Dose adjustment	Therapeutic hypothermia: Not applicable ECMO: Not applicable. Renal impairment: No information.						
	Renai impairment: No in	וטוווומנוטוו.		Page 1 of 2			

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	Hepatic information: No information.	
Maximum dose	Not applicable.	
Total cumulative	Not applicable.	
dose		
Route	Intramuscular.	
Preparation	None required.	
Administration	May administer oral sucrose 2 minutes prior to injection (observe local pain policy).	
714	2. Administer oral paracetamol within 30 minutes before Bexsero vaccine and repeat 2nd and 3 rd dose	
	4-6 hours apart.(2, 3)	
	3. Follow product specific directions, as some products require reconstitution.	
	4. Shake syringe vigorously immediately prior to use to obtain a homogenous, white suspension.	
	5. Administer by intramuscular injection to the anterolateral aspect of the thigh (slowly to reduce	
	pain).	
	6. Administer on the opposite limb from other concurrently administered vaccines.	
	7. Register the vaccines with the Australian Immunisation Register as per the local hospital policy.	
Monitoring	1. Observe for 15 minutes after vaccination for any adverse events.	
	2. Pain: Refer to local pain relief policy.	
	3. Body temperature.	
	4. History of febrile convulsions: Infants should be closely followed up for 2-3 days for any convulsions.	
Contraindications	Anaphylaxis after a previous dose of any meningococcal vaccine.	
	Anaphylaxis after any component of a meningococcal vaccine.	
	Previous meningococcal disease is not a <u>contraindication</u> .	
	Previous vaccination with the strain-specific MenB vaccine used in New Zealand (MeNZB)	
	is not a <u>contraindication</u> to Bexsero or Trumenba.	
	Previous vaccination with a quadrivalent polysaccharide meningococcal vaccine (4vMenPV; used	
<u> </u>	previously in Australia) is not a <u>contraindication</u> to receiving any MenACWY vaccine.	
Precautions	Acute illness or temperature greater than 38.5°C – postpone vaccine until neonatologist approves.	
	Bexsero can be given separate to other routine vaccines, with a minimum interval of 3 days, to minimise the risk of fever.	
Davis interestions		
Drug interactions Adverse	MenACWY vaccines can be co-administered with most other vaccines. Bexsero: 26–41% developed fever ≥38°C, and 4–8% had fever ≥39°C. Temperatures are generally	
reactions	highest 6 hours after vaccination, decreased on day 2 and subsided by day 3. Other adverse effects:	
reactions	tenderness, swelling, induration and erythema at the injection site, irritability, sleepiness, crying,	
	change in appetite.	
	Menveo: Frequency of adverse events are similar to other childhood vaccines. Fever in about 1%.	
	Nimenrix: Mild injection site reactions in 30–50%. About 20% had a mild systemic reaction.	
	Menactra: Most reactions are local injection site reactions.	
Compatibility	Not applicable.	
Incompatibility	Not applicable.	
Stability	Do not remove from refrigerator until time of administration. Expiry is found on packaging.	
Storage	Store at 2°C to 8°C. Do not freeze. Protect from light. Storage should in line with national vaccine	
	storage guidelines "Strive for 5".	
Excipients	Bexsero: sodium chloride, histidine, sucrose.	
	Nimenrix: Sucrose, trometamol, 0.9% Sodium chloride.	
	Menactra: Sodium chloride, dibasic and monobasic sodium phosphate.	
	Menveo: Sucrose, natural rubber, potassium dihydrogen phosphate, dibasic and monobasic sodium	
	phosphate, sodium chloride.	
Special	For Australian infants- Bexsero® is now funded under the National Immunisation Program (NIP) for	
comments	Aboriginal and Torres Strait Islander infants from 2 months of age , with catch-up available until .	
	2023 for Aboriginal and Torres Strait Islander children < 2 years (i.e. up to 23 months) of age.(1)	
Evidence	Refer to full version.	
Practice points	Refer to full version.	

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