

VACCINE STANDING ORDERS

VACCINE	BRAND NAME	DATE LICENSED	COMPANY
IPV	IPOL	12-01-90	Sanofi Pasteur
DTaP	Tripedia	07-31-96	Sanofi Pasteur
DTaP	Daptacel	05-14-02	Sanofi Pasteur
DTaP	Infanrix	01-29-97	GlaxoSmithKline
DTaP-HepB-IPV	Pediarix	12-20-02	GlaxoSmithKline
DTaP-IPV-Hib	Pentacel	06-01-08	Sanofi Pasteur
DTaP-IPV	Kinrix	06-24-08	GlaxoSmithKline
DTaP-Hib	Trihibit	09-27-96	Sanofi Pasteur
DT	DT	09-18-84	Sanofi Pasteur
Td	Td	01-03-78	Sanofi Pasteur
Tdap	Boostrix	05-17-05	GlaxoSmithKline
Tdap	ADACEL	06-10-05	Sanofi Pasteur
Hepatitis B	Engerix-B	08-28-89	GlaxoSmithKline
Hepatitis B	Recombivax HB	07-23-86	Merck
Hib-HepB	Comvax	10-02-96	Merck
Hib	ACTHib	03-30-93	Sanofi Pasteur
Hib	PedvaxHIB	12-20-89	Merck
Hepatitis A	Havrix	02-22-95	GlaxoSmithKline
Hepatitis A	Vaqta	03-29-96	Merck
MMR	MMR II	04-22-71	Merck
Varicella	Varivax	03-17-95	Merck
MMRV	ProQuad	09-06-05	Merck
PCV7	Prevnar	02-01-00	Wyeth
MCV4	Menactra	01-14-05	Sanofi Pasteur
Rotavirus	RotaTeq (RV5)	02-03-06	Merck
Rotavirus	Rotarix (RV1)	04-03-08	GlaxoSmithKline
(HPV) Human Papillomavirus	Gardasil	06-08-06	Merck
Influenza	FluMist	06-17-03	MedImmune
Influenza	Fluzone	12-09-99	Sanofi Pasteur
Influenza	Fluvirin	09-14-05	Novartis

VACCINE ADMINISTRATION

- The recommendations on route, site, and dosages of immunobiologics are derived from theoretical considerations, experimental trials, and clinical experience. The Advisory Committee on Immunization Practices (ACIP) **strongly discourages** any variations from the recommended route, site, volume, or number of doses of any vaccine.
- For all intramuscular (IM) injections, the needle should be long enough to reach the muscle mass and prevent vaccine from seeping into subcutaneous tissue. An individual decision on needle size and site of injection must be made for each person based on **age**, the **volume** of the material to be administered, the **size of the muscle**, and the **depth below the muscle surface** into which the material is to be injected.
- Subcutaneous (SQ) injections are usually administered into the thigh of infants and in the deltoid area of older children and adults. A 5/8 to 3/4 inch, 23 to 25 gauge needle should be inserted into the tissues below the dermal layer of the skin.
- The anterolateral aspect of the thigh is the recommended site for intramuscular injections of infants.
- The deltoid may be used for intramuscular injections of toddlers (**if the muscle mass is adequate**), and older children.

Source: Centers for Disease Control and Prevention. General Recommendations on Immunization: Recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 1994;43 (No. RR-1): 6-8.

Kansas Immunization Program/Recommendations for IM/SQ Injections

AGE	ROUTE	SITE	NEEDLE GAUGE	NEEDLE LENGTH
Infants	IM	Thigh	22-25	7/8-1 inch
	SQ	Thigh	23-25	5/8-3/4 inch
Toddlers	IM	Thigh	22-25	7/8-1 1/4 inches
	SQ	Deltoid	23-25	5/8-3/4 inch
Older Children	IM	Deltoid	22-25	7/8-1 1/4 inches
	SQ	Deltoid	23-25	5/8-3/4 inch
Adults	IM	Deltoid	20-25	1-1 1/2 inches
	SQ	Deltoid	23-25	5/8-3/4 inch