### -All Segments-

## -MSH : Message Header -

Location	<b>Data Element</b>	Data	Categorization
MSH.1	Field Separator		
MSH.2	Encoding Characters	^~\&	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.806- 0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	29407	
MSH.11	Processing ID		
MSH.11.1	Processing ID	P	
MSH.12	Version ID		
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID		
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization		
MSH.22.1	Organization Name	wcEHR	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID		
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		

MSH.22.7	Identifier Type Code		
MSH.22.10	Organization Identifier		
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	IIS	
MSH.23.6	Assigning Authority		
MSH.23.6.1	Namespace ID		
MSH.23.6.2	Universal ID		
MSH.23.6.3	Universal ID Type		
MSH.23.7	Identifier Type Code		
MSH.23.10	Organization Identifier		

#### PID: Patient Identification

Location	Data Element	Data	Categorization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	76511	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	MR	
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Johnson	
PID.5.1.2	Own Surname Prefix		
PID.5.1.3	Own Surname		
PID.5.1.4	Surname Prefix From Partner/Spouse		
PID.5.1.5	Surname From Partner/Spouse		
PID.5.2	Given Name	Daryl	
PID.5.3	Second and Further Given Names or Initials Thereof	Andre	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.1.2	Own Surname Prefix		
PID.6.1.3	Own Surname		
PID.6.1.4	Surname Prefix From Partner/Spouse		
PID.6.1.5	Surname From Partner/Spouse		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20131203	

PID.8	Administrative Sex	M	
PID.10	Race		
PID.10.1	Identifier	2054-5	
PID.10.2	Text	African American	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5	Alternate Text		
PID.10.6	Name of Alternate Coding System		
PID.11	Patient Address		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address	125 Aspen Crescent	
PID.11.1.2	Street Name		
PID.11.1.3	Dwelling Number		
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5551807	
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	Y	
PID.25	Birth Order	2	
PID.29	Patient Death Date and Time		
PID.29.1	Time		
PID.30			

# PD1 : Patient Additional Demographic

Location	Data Element	Data	Categorization
PD1.11	Publicity Code		
PD1.11.1	Identifier	04	
PD1.11.2	Text	Reminder only - any method	

PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	Protection Indicator Effective Date	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20131203	
PD1.18	Publicity Code Effective Date	20150624	

## NK1 : Next of Kin / Associated Parties

Location	<b>Data Element</b>	Data	Categorization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Johnson	
NK1.2.1.2	Own Surname Prefix		
NK1.2.1.3	Own Surname		
NK1.2.1.4	Surname Prefix From Partner/Spouse		
NK1.2.1.5	Surname From Partner/Spouse		
NK1.2.2	Given Name	James	
NK1.2.3	Second and Further Given Names or Initials Thereof	Terrance	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
NK1.3.5	Alternate Text		
NK1.3.6	Name of Alternate Coding System		
NK1.4	Address		
NK1.4.1	Street Address		
NK1.4.1.1	Street or Mailing Address	125 Aspen Crescent	
NK1.4.1.2	Street Name		
NK1.4.1.3	Dwelling Number		
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	

NK1.4.7	Address Type	P
NK1.5	Phone Number	
NK1.5.2	Telecommunication Use Code	PRN
NK1.5.3	Telecommunication Equipment Type	РН
NK1.5.4	Email Address	
NK1.5.6	Area/City Code	406
NK1.5.7	Local Number	5551807

#### ORC: Common Order

Location	<b>Data Element</b>	Data	Categorization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	773	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	22119	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.2.2	Own Surname Prefix		
ORC.10.2.3	Own Surname		
ORC.10.2.4	Surname Prefix From Partner/Spouse		
ORC.10.2.5	Surname From Partner/Spouse		
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID	wcEHR	
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.2.2	Own Surname Prefix		

ORC.12.2.3	Own Surname	
ORC.12.2.4	Surname Prefix From Partner/Spouse	
ORC.12.2.5	Surname From Partner/Spouse	
ORC.12.3	Given Name	Wilma
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth
ORC.12.9	Assigning Authority	
ORC.12.9.1	Namespace ID	wcEHR
ORC.12.9.2	Universal ID	
ORC.12.9.3	Universal ID Type	
ORC.12.10	Name Type Code	L
ORC.12.12	Check Digit Scheme	
ORC.12.13	Identifier Type Code	MD
ORC.17	Entering Organization	
ORC.17.1	Identifier	wcEHR
ORC.17.2	Text	West Clinic
ORC.17.3	Name of Coding System	HL70362
ORC.17.5	Alternate Text	
ORC.17.6	Name of Alternate Coding System	

RXA: Pharmacy/Treatment Administration

Location	<b>Data Element</b>	Data	Categorization
RXA.1	Give Sub-ID Counter	0	
RXA.2	Administration Sub-ID Counter	1	
RXA.3	Date/Time Start of Administration		
RXA.3.1	Time	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	00006-4095-01	
RXA.5.2	Text	VAQTA	
RXA.5.3	Name of Coding System	NDC	
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		

RXA.9.1   Identifier	RXA.9	Administration Notes		
RXA.9.3	RXA.9.1	Identifier	00	
RXA.9.5   Alternate Text   RXA.9.6   Name of Alternate   RXA.9.6   Name of Alternate   RXA.10   Administering Provider   RXA.10.1   ID Number   7824   RXA.10.2   Family Name   RXA.10.2.1   Surname   Jackson   RXA.10.2.2   Own Surname   Prefix   RXA.10.2.3   Own Surname   RXA.10.2.3   Own Surname   RXA.10.2.4   Surname   Prefix From   Partner/Spouse   RXA.10.2.5   Surname   From   Partner/Spouse   RXA.10.3   Given Name   Lily   Second and Further   Given Names or Initials   Suzanne   Thereof   RXA.10.9   Assigning Authority   RXA.10.9   Assigning Authority   RXA.10.9.1   Namespace ID   wcEHR   RXA.10.9.2   Universal ID   RXA.10.9.3   Universal ID   Type   RXA.10.10   Name Type Code   L   RXA.10.11   Identifier Type Code   RXA.11   Administered-at Location   RXA.11.4   Facility   RXA.11.4.1   Namespace ID   wcEHR   RXA.11.4.1   Namespace ID   RXA.11.4.2   Universal ID   RXA.11.4.3   Universal ID   RXA.11.4.3   Universal ID   RXA.11.4.1   Namespace ID   RXA.11.4   Namespace ID   RXA.11.4   Namespace ID   Name   Name	RXA.9.2	Text	New Record	
Name of Alternate   Coding System	RXA.9.3		NIP001	
RXA.10	RXA.9.5	Alternate Text		
RXA.10.1	RXA.9.6			
RXA.10.2   Family Name   RXA.10.2.1   Surname   Jackson	RXA.10	Administering Provider		
RXA.10.2.1   Surname   Jackson	RXA.10.1	ID Number	7824	
RXA.10.2.2	RXA.10.2	Family Name		
RXA.10.2.3         Own Surname           RXA.10.2.4         Surname Prefix From Partner/Spouse           RXA.10.2.5         Surname From Partner/Spouse           RXA.10.3         Given Name           Lily         Second and Further Given Names or Initials Thereof           RXA.10.4         Assigning Authority           RXA.10.9         Assigning Authority           RXA.10.9.1         Namespace ID           RXA.10.9.2         Universal ID           RXA.10.9.3         Universal ID Type           RXA.10.0.0         Name Type Code         L           RXA.10.12         Check Digit Scheme           RXA.10.13         Identifier Type Code         PRN           RXA.11         Administered-at Location           RXA.11.4         Facility           RXA.11.4         Facility           RXA.11.4.1         Namespace ID         wcEHR           RXA.11.4.2         Universal ID Type           RXA.15         Substance Lot Number         68736           RXA.15         Substance Expiration Date           RXA.16         Substance Expiration Date           RXA.17         Jiernate Coding System           RXA.17.1         Identifier         MSD           RXA.17.2         T	RXA.10.2.1	Surname	Jackson	
RXA.10.2.4   Surname Prefix From Partner/Spouse	RXA.10.2.2	Own Surname Prefix		
RXA.10.2.4         Partner/Spouse           RXA.10.2.5         Surname From Partner/Spouse           RXA.10.3         Given Name           Lily         Second and Further Given Names or Initials Suzanne Thereof           RXA.10.9         Assigning Authority           RXA.10.9.1         Namespace ID           RXA.10.9.2         Universal ID           RXA.10.9.3         Universal ID Type           RXA.10.10         Name Type Code           L         RXA.10.12           Check Digit Scheme         RXA.10.13           RXA.10.13         Identifier Type Code           PRN         PRN           RXA.11.4         Facility           RXA.11.4         Facility           RXA.11.4.1         Namespace ID         wcEHR           RXA.11.4.2         Universal ID         wcEHR           RXA.11.4.3         Universal ID Type         RXA.15           Substance Expiration Date         Substance Expiration Date           RXA.16         Substance Expiration Date         Name of Coding System           RXA.17.1         Identifier         MSD           RXA.17.2         Text         Merck and Co., Inc.           RXA.17.5         Alternate Text           RXA.17.6	RXA.10.2.3	Own Surname		
RXA.10.2.5   Partner/Spouse	RXA.10.2.4			
Second and Further   Given Names or Initials   Suzanne	RXA.10.2.5			
RXA.10.4 Given Names or Initials Suzanne Thereof  RXA.10.9 Assigning Authority  RXA.10.9.1 Namespace ID wcEHR  RXA.10.9.2 Universal ID  RXA.10.9.3 Universal ID Type  RXA.10.10 Name Type Code  RXA.10.12 Check Digit Scheme  RXA.10.13 Identifier Type Code  RXA.11 Administered-at Location  RXA.11.4 Facility  RXA.11.4.1 Namespace ID wcEHR  RXA.11.4.2 Universal ID  RXA.11.4.3 Universal ID Type  RXA.11.4.3 Universal ID Type  RXA.15 Substance Lot Number 68736  RXA.16 Substance Expiration Date  RXA.17 Substance Manufacturer Name  RXA.17.1 Identifier MSD  RXA.17.2 Text Merck and Co., Inc.  RXA.17.5 Alternate Text  RXA.17.5 Name of Alternate Coding System  RXA.17.6 Substance Alternate Coding System  Substance Treatment	RXA.10.3	Given Name	Lily	
RXA.10.9.1   Namespace ID   wcEHR	RXA.10.4	Given Names or Initials	Suzanne	
RXA.10.9.2	RXA.10.9	Assigning Authority		
RXA.10.9.3	RXA.10.9.1	Namespace ID	wcEHR	
RXA.10.10 Name Type Code  RXA.10.12 Check Digit Scheme  RXA.10.13 Identifier Type Code  RXA.11 Administered-at Location  RXA.11.4 Facility  RXA.11.4.1 Namespace ID wcEHR  RXA.11.4.2 Universal ID  RXA.11.4.3 Universal ID Type  RXA.15 Substance Lot Number 68736  RXA.16 Substance Expiration  Date  RXA.16.1 Time 20150729  RXA.17.1 Identifier MSD  RXA.17.2 Text Merck and Co., Inc.  RXA.17.3 Name of Coding  System  RXA.17.5 Alternate Text  Name of Alternate  Coding System  Substance Treatment	RXA.10.9.2	Universal ID		
RXA.10.12         Check Digit Scheme           RXA.10.13         Identifier Type Code           RXA.11         Administered-at Location           RXA.11.4         Facility           RXA.11.4.1         Namespace ID           RXA.11.4.2         Universal ID           RXA.11.4.3         Universal ID Type           RXA.15         Substance Lot Number         68736           RXA.16         Substance Expiration Date           RXA.17         Substance Manufacturer Name           RXA.17         Substance Manufacturer Name           RXA.17.1         Identifier         MSD           RXA.17.2         Text         Merck and Co., Inc.           RXA.17.3         Name of Coding System           RXA.17.5         Alternate Text           RXA.17.6         Name of Alternate Coding System	RXA.10.9.3	Universal ID Type		
RXA.10.13 Identifier Type Code PRN  RXA.11 Administered-at Location  RXA.11.4 Facility  RXA.11.4.1 Namespace ID wcEHR  RXA.11.4.2 Universal ID  RXA.11.4.3 Universal ID Type  RXA.15 Substance Lot Number 68736  RXA.16 Substance Expiration Date  RXA.17 Ime 20150729  RXA.17 Substance Manufacturer Name  RXA.17.1 Identifier MSD  RXA.17.2 Text Merck and Co., Inc.  RXA.17.3 Name of Coding System  RXA.17.5 Alternate Text  RXA.17.6 Name of Alternate Coding System  Substance/Teatment	RXA.10.10	Name Type Code	L	
RXA.10.13 Identifier Type Code RXA.11 Administered-at Location RXA.11.4 Facility RXA.11.4.1 Namespace ID wcEHR RXA.11.4.2 Universal ID RXA.11.4.3 Universal ID Type RXA.15 Substance Lot Number 68736 RXA.16 Substance Expiration Date RXA.17 Ime 20150729 RXA.17 Substance Manufacturer Name RXA.17 Identifier MSD RXA.17.1 Identifier MSD RXA.17.2 Text Merck and Co., Inc. RXA.17.3 Name of Coding System RXA.17.5 Alternate Text RXA.17.6 Name of Alternate Coding System Substance/Teatment	RXA.10.12	Check Digit Scheme		
RXA.11.4.1         Facility           RXA.11.4.2         Universal ID           RXA.11.4.3         Universal ID Type           RXA.15         Substance Lot Number 68736           RXA.16         Substance Expiration Date           RXA.17         Substance Manufacturer Name           RXA.17.1         Identifier           RXA.17.2         Text         Merck and Co., Inc.           RXA.17.3         Name of Coding System           RXA.17.5         Alternate Text           RXA.17.6         Name of Alternate Coding System	RXA.10.13	Identifier Type Code	PRN	
RXA.11.4.1         Namespace ID         wcEHR           RXA.11.4.2         Universal ID           RXA.11.4.3         Universal ID Type           RXA.15         Substance Lot Number         68736           RXA.16         Substance Expiration Date           RXA.16.1         Time         20150729           RXA.17         Substance Manufacturer Name           RXA.17.1         Identifier         MSD           RXA.17.2         Text         Merck and Co., Inc.           RXA.17.3         Name of Coding System         MVX           RXA.17.5         Alternate Text           RXA.17.6         Name of Alternate Coding System	RXA.11	Administered-at Location		
RXA.11.4.2	RXA.11.4	Facility		
RXA.11.4.2         Universal ID           RXA.11.4.3         Universal ID Type           RXA.15         Substance Lot Number 68736           RXA.16         Substance Expiration Date           RXA.16.1         Time 20150729           RXA.17         Substance Manufacturer Name           RXA.17.1         Identifier MSD           RXA.17.2         Text Merck and Co., Inc.           RXA.17.3         Name of Coding System           RXA.17.5         Alternate Text           RXA.17.6         Name of Alternate Coding System	RXA.11.4.1	Namespace ID	wcEHR	
RXA.15  Substance Lot Number 68736  RXA.16  Substance Expiration Date  RXA.16.1  Time 20150729  RXA.17  Substance Manufacturer Name  RXA.17.1  Identifier MSD  RXA.17.2  Text Merck and Co., Inc.  RXA.17.3  Name of Coding System  RXA.17.5  Alternate Text  RXA.17.6  Substance Lot Number 68736  MVX  MSD  MWX  MOVX  RXA.17.3  Name of Alternate Coding System  Substance/Treatment	RXA.11.4.2			
RXA.15  RXA.16  RXA.16  Substance Expiration Date  RXA.16.1  Time  20150729  RXA.17  Substance Manufacturer Name  RXA.17.1  Identifier  RXA.17.2  Text  Merck and Co., Inc.  RXA.17.3  Name of Coding System  RXA.17.5  Alternate Text  RXA.17.6  Name of Alternate Coding System  Substance/Treatment	RXA.11.4.3	Universal ID Type		
RXA.16         Date           RXA.16.1         Time         20150729           RXA.17         Substance Manufacturer Name           RXA.17.1         Identifier         MSD           RXA.17.2         Text         Merck and Co., Inc.           RXA.17.3         Name of Coding System         MVX           RXA.17.5         Alternate Text           RXA.17.6         Name of Alternate Coding System	RXA.15		68736	
RXA.17  Substance Manufacturer Name  RXA.17.1  Identifier  MSD  RXA.17.2  Text  Merck and Co., Inc.  Name of Coding System  RXA.17.5  Alternate Text  RXA.17.6  Name of Alternate Coding System  Substance/Treatment	RXA.16	_		
RXA.17.1 Identifier MSD  RXA.17.2 Text Merck and Co., Inc.  RXA.17.3 Name of Coding System  RXA.17.5 Alternate Text  RXA.17.6 Name of Alternate Coding System  Substance/Treatment	RXA.16.1	Time	20150729	
RXA.17.2 Text Merck and Co., Inc.  RXA.17.3 Name of Coding System MVX  RXA.17.5 Alternate Text  RXA.17.6 Name of Alternate Coding System  Substance/Treatment	RXA.17			
RXA.17.3  Name of Coding System  RXA.17.5  Alternate Text  Name of Alternate Coding System  Substance/Treatment	RXA.17.1	Identifier	MSD	
RXA.17.5 System INVX  RXA.17.5 Alternate Text  RXA.17.6 Name of Alternate Coding System  Substance/Treatment	RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.6 Name of Alternate Coding System Substance/Treatment	RXA.17.3		MVX	
Coding System Substance/Treatment	RXA.17.5	Alternate Text		
Substance/Treatment	RXA.17.6			
RXA.18 Refusal Reason	RXA.18			
RXA.18.1 Identifier	RXA.18.1	Identifier		
RXA.18.2 Text	RXA.18.2	Text		

RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	PA	
RXA.21	Action Code - RXA	A	

-RXR : Pharmacy/Treatment Route -

Location	<b>Data Element</b>	Data	Categorization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

## -OBX[\*]-

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate		

	Coding System		
OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### OBX : Observation/Result -

Location	<b>Data Element</b>	Data	Categorization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX : Observation/Result -

Location	<b>Data Element</b>	Data	Categorization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX: Observation/Result

Location	<b>Data Element</b>	Data	Categorization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		

OBX.4	Observation Sub-ID	3
OBX.5	Observation Value	20150624
OBX.6	Units	
OBX.6.1	Identifier	
OBX.6.2	Text	
OBX.6.3	Name of Coding System	
OBX.6.5	Alternate Text	
OBX.6.6	Name of Alternate Coding System	
OBX.11	Observation Result Status	F
OBX.14	Date/Time of the Observation	
OBX.14.1	Time	20150624
OBX.17	Observation Method	
OBX.17.1	Identifier	
OBX.17.2	Text	
OBX.17.3	Name of Coding System	
OBX.17.5	Alternate Text	
OBX.17.6	Name of Alternate Coding System	

MSH : Message Header

Location	<b>Data Element</b>	Data	Categorization
MSH.1	Field Separator		
MSH.2	Encoding Characters	^~\&	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.806-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	

MSH.9.2	Trigger Event	V04
MSH.9.3	Message Structure	VXU_V04
MSH.10	Message Control ID	29407
MSH.11	Processing ID	
MSH.11.1	Processing ID	P
MSH.12	Version ID	
MSH.12.1	Version ID	2.5.1
MSH.15	Accept Acknowledgment Type	ER
MSH.16	Application Acknowledgment Type	AL
MSH.21	Message Profile Identifier	
MSH.21.1	Entity Identifier	Z22
MSH.21.2	Namespace ID	CDCPHINVS
MSH.21.3	Universal ID	
MSH.21.4	Universal ID Type	
MSH.22	Sending Responsible Organization	
MSH.22.1	Organization Name	wcEHR
MSH.22.6	Assigning Authority	
MSH.22.6.1	Namespace ID	
MSH.22.6.2	Universal ID	
MSH.22.6.3	Universal ID Type	
MSH.22.7	Identifier Type Code	
MSH.22.10	Organization Identifier	
MSH.23	Receiving Responsible Organization	
MSH.23.1	Organization Name	IIS
MSH.23.6	Assigning Authority	
MSH.23.6.1	Namespace ID	
MSH.23.6.2	Universal ID	
MSH.23.6.3	Universal ID Type	
MSH.23.7	Identifier Type Code	
MSH.23.10	Organization Identifier	

## -PID: Patient Identification -

Location	<b>Data Element</b>	Data	Categorization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	76511	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	MR	
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Johnson	

PID.5.1.2	Own Surname Prefix		
PID.5.1.3	Own Surname		
PID.5.1.4	Surname Prefix From Partner/Spouse		
PID.5.1.5	Surname From Partner/Spouse		
PID.5.2	Given Name	Daryl	
PID.5.3	Second and Further Given Names or Initials Thereof	Andre	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.1.2	Own Surname Prefix		
PID.6.1.3	Own Surname		
PID.6.1.4	Surname Prefix From Partner/Spouse		
PID.6.1.5	Surname From Partner/Spouse		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20131203	
PID.8	Administrative Sex	M	
PID.10	Race		
PID.10.1	Identifier	2054-5	
PID.10.2	Text	African American	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5	Alternate Text		
PID.10.6	Name of Alternate Coding System		
PID.11	Patient Address		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address	125 Aspen Crescent	
PID.11.1.2	Street Name		
PID.11.1.3	Dwelling Number		
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5551807	

PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	Y	
PID.25	Birth Order	2	
PID.29	Patient Death Date and Time		
PID.29.1	Time		
PID.30	Patient Death Indicator	N	

PD1 : Patient Additional Demographic

Location	Data Element	Data	Categorization
PD1.11	Publicity Code		
PD1.11.1	Identifier	04	
PD1.11.2	Text	Reminder only - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	Protection Indicator Effective Date	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20131203	
PD1.18	Publicity Code Effective Date	20150624	

NK1 : Next of Kin / Associated Parties

Location	<b>Data Element</b>	Data	Categorization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Johnson	
NK1.2.1.2	Own Surname Prefix		
NK1.2.1.3	Own Surname		
NK1.2.1.4	Surname Prefix From Partner/Spouse		
NK1.2.1.5	Surname From Partner/Spouse		
NK1.2.2	Given Name	James	
NK1.2.3	Second and Further Given Names or Initials	Terrance	

	Thereof		
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
NK1.3.5	Alternate Text		
NK1.3.6	Name of Alternate Coding System		
NK1.4	Address		
NK1.4.1	Street Address		
NK1.4.1.1	Street or Mailing Address	125 Aspen Crescent	
NK1.4.1.2	Street Name		
NK1.4.1.3	Dwelling Number		
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	РН	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5551807	

### ORC: Common Order -

Location	Data Element	Data	Categorization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	773	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	22119	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.2.2	Own Surname Prefix		
ORC.10.2.3	Own Surname		

	Surname Prefix From		
ORC.10.2.4	Partner/Spouse		
ORC.10.2.5	Surname From Partner/Spouse		
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID	wcEHR	
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.2.2	Own Surname Prefix		
ORC.12.2.3	Own Surname		
ORC.12.2.4	Surname Prefix From Partner/Spouse		
ORC.12.2.5	Surname From Partner/Spouse		
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	wcEHR	
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration -

Location	<b>Data Element</b>	Data	Categorization
RXA.1	Give Sub-ID Counter	0	
RXA.2	Administration Sub-ID Counter	1	
	Date/Time Start of		

RXA.3	Administration	
RXA.3.1	Time	20150624
RXA.5	Administered Code	
RXA.5.1	Identifier	00006-4095-01
RXA.5.2	Text	VAQTA
RXA.5.3	Name of Coding System	NDC
RXA.5.5	Alternate Text	
RXA.5.6	Name of Alternate Coding System	
RXA.6	Administered Amount	0.5
RXA.7	Administered Units	
RXA.7.1	Identifier	mL
RXA.7.2	Text	mL
RXA.7.3	Name of Coding System	UCUM
RXA.7.5	Alternate Text	
RXA.7.6	Name of Alternate Coding System	
RXA.9	Administration Notes	
RXA.9.1	Identifier	00
RXA.9.2	Text	New Record
RXA.9.3	Name of Coding System	NIP001
RXA.9.5	Alternate Text	
RXA.9.6	Name of Alternate Coding System	
RXA.10	Administering Provider	
RXA.10.1	ID Number	7824
RXA.10.2	Family Name	
RXA.10.2.1	Surname	Jackson
RXA.10.2.2	Own Surname Prefix	
RXA.10.2.3	Own Surname	
RXA.10.2.4	Surname Prefix From Partner/Spouse	
RXA.10.2.5	Surname From Partner/Spouse	
RXA.10.3	Given Name	Lily
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne
RXA.10.9	Assigning Authority	
RXA.10.9.1	Namespace ID	wcEHR
RXA.10.9.2	Universal ID	
RXA.10.9.3	Universal ID Type	
RXA.10.10	Name Type Code	L
RXA.10.12	Check Digit Scheme	
RXA.10.13	Identifier Type Code	PRN
RXA.11	Administered-at Location	
RXA.11.4	Facility	
RXA.11.4.1	Namespace ID	wcEHR
1011111111	Namespace 1D	WCETIK
RXA.11.4.2	Universal ID	WCLTIK

RXA.15	Substance Lot Number	68736	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150729	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
RXA.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	PA	
RXA.21	Action Code - RXA	A	

-RXR : Pharmacy/Treatment Route -

Location	Data Element	Data	Categorization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

## -OBX[\*]-

### OBX : Observation/Result -

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding	LN	

	System	
OBX.3.5	Alternate Text	
OBX.3.6	Name of Alternate Coding System	
OBX.4	Observation Sub-ID	1
OBX.5	Observation Value	
OBX.6	Units	
OBX.6.1	Identifier	
OBX.6.2	Text	
OBX.6.3	Name of Coding System	
OBX.6.5	Alternate Text	
OBX.6.6	Name of Alternate Coding System	
OBX.11	Observation Result Status	F
OBX.14	Date/Time of the Observation	
OBX.14.1	Time	20150624
OBX.17	Observation Method	
OBX.17.1	Identifier	
OBX.17.2	Text	
OBX.17.3	Name of Coding System	
OBX.17.5	Alternate Text	
OBX.17.6	Name of Alternate Coding System	

### OBX : Observation/Result

Location	<b>Data Element</b>	Data	Categorization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		

OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### -OBX : Observation/Result -

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### OBX : Observation/Result -

Location	<b>Data Element</b>	Data	Categorization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		