



VAC TRAK



Short list of basic required fields for electronic data exchange (VXU). See VacTrAK Implementation Guide for details.

Seg	SEQ	Element Name	Vac TrAK Usage	Conditional Predicate	Comments
MSH	1	Field Separator	R		Field shall be valued “ ” for 2.5.1 messages. See notes regarding backwards compatibility.
MSH	2	Encoding Characters	R		Field shall be valued “^~\&”
MSH	3	Sending Application	R		Name of EHR.
MSH	4	Sending Facility	R		Name of organization/practice.
MSH	5	Receiving Application	R		Expected value is “VacTrAK”
MSH	6	Receiving	R		Expected value is “AKIIS”
MSH	7	Date/Time Of Message	R		Required for 2.4 and later messages.
MSH	9	Message Type	R		
MSH	10	Message Control ID	R		
MSH	11	Processing ID	R		Send ‘P’. Any other value will cause unexpected results.
MSH	12	Version ID	R		2.5.1
MSH	16	Application Acknowledgment Type	RE		AL, NE, or ER. VacTrAK has settings available to override these if necessary.
PID	1	Set ID - PID	R		
PID	3	Patient Identifier List	R		
PID	5	Patient Name	R		The first repetition shall contain the legal name. (Signified with an “L” from table 0200.) Multiple given names or initials are separated by spaces.
PID	6	Mother’s Maiden Name	RE		
PID	7	Date/Time of Birth	R		Month, day, and year all required in this format YYYYMMDD
PID	8	Administrative Sex	R		M= male, F = female, O = Other, U = not determined/unspecified/unknown.
PID	10	Race	R		Patient’s self-reported race. Repeating values used for multi-racial.



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PID	11	Patient Address	R		The first repetition should be the primary address.
PID	13	Phone Number - Home	RE		The first instance shall be the primary phone number. Only one item is allowed per repetition.
PID	22	Ethnic Group	R		Patient's self-reported ethnic group. If first and second triplets are populated, they must match logically.
PID	24	Multiple Birth Indicator	RE		The acceptable values are Y and N. If the status is undetermined, then field shall be empty.
PID	25	Birth Order	C(RE/O)	If PID-24 is valued "Y," then this field should contain the number indicating the person's birth order, with 1 for the first child born and 2 for the second.	
PID	29	Patient Death Date and Time	RE	If PID-30 (patient death indicator) is valued "Y"	
PID	30	Patient Death Indicator	C(R/X)	If PID-29 is valued with a date	
NK1	1	Set ID - NK1	R		
NK1	2	Name	R		The first instance is the legal name and is required.
NK1	3	Relationship	R		Typically populated from guarantor. Required for all messages. For adults any valid HL7 code from 0063 is acceptable. For <19 preferred values: GRD, PAR, MTH, or FTH.



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NK1	4	Address	RE		The first instance shall be the primary address.
NK1	5	Phone Number	RE		The first instance shall be the primary phone number.
RXA	1	Give Sub-ID Counter	R		Constrain to 0 (zero)
RXA	2	Administration Sub-ID Counter	R		Constrain to 1, but can be 0 for 2.3.1 messages
RXA	3	Date/Time Start of Administration	R		
RXA	5	Administered Code	R		CVX codes are strongly preferred over CPT codes. CVX are also a meaningful use requirement.
RXA	6	Administered Amount	R		
RXA	7	Administered Units	C(R/O)	If RXA-6 is not valued "999"	If previous field is populated by any value except 999, it is required.
RXA	9	Administration Notes	R	If RXA-20 is valued "CP," "PA" or null because a null RXA-20 is assumed to be "CP"	00=New Immunization 01=Historical information
RXA	10	Administering Provider	RE		This is the person who physically administered the vaccine or is most knowledgeable about the vaccine given.
RXA	11	Administered-at Location	R		Use the VacTrAK supplied facility code for the facility that administered the immunization or that recorded if historical.
RXA	15	Substance Lot Number	C(R/O)	If RXA-9.1 is valued "00"	
RXA	16	Substance Expiration Date	C(RE/O)	If RXA-15 is valued	
RXA	17	Substance Manufacturer Name	C(R/O)	If RXA-9.1 is valued "00"	



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RXA	20	Completion Status	RE		If RXA-18 is populated, RXA-20 shall be valued to RE. If RXA-5.1 has a CVX of 998 (no vaccine administered) then RXA-20 shall be NA. NA can also be used to indicate a vaccine that was not administered. If this field is not populated, it is assumed to be CP or complete.
RXA	21	Action Code - RXA	R		Expected values are A, U, D. A=Add, U=Update, and D=Delete.
RXR	1	Route	R		
RXR	2	Administration Site	RE		
OBX	1	Set ID – OBX	R		
OBX	2	Value Type	R		CE, NM, ST, DT, or TS
OBX	3	Observation Identifier	R		OBX-3 poses the question that is answered by OBX-5. There are 4 important OBX segments for (administered vaccines only) with the following usage: 64994-7 R; 30963-3 RE; 29768-9 R; 29769-7 R; OBX 67994-7 is required by regulation (7 AAC 27.650).
OBX	5	Observation Value	R		This is the observation value and answers the question posed by OBX-3.
OBX	6	Units	C(R/RE)	If OBX-2 is valued “NM” or “SN”	If the observation in OBX-5 requires an indication of the units, they are placed here. In VacTrAK this is only used for receiving lead lab results.
OBX	11	Observation Result Status	R		Constrain to F
OBX	14	Date/Time of the Observation	RE		

Do not send PD1-12 or PD1-13. See VacTrAK Implementation Guide for additional details.