Updates to HL7 Code for Race and Ethnicity Fields

The HL7 VXU code used by CAIR2 for "Prefer not to say" is 'PHC1175'.

'PHC1175' should be placed in the PID-10 field (race field) and PID-22 field (ethnicity field) as applicable:

Here is an example of how the PID-10 and PID-22 fields shall be formatted in the VXU message with the new code for "Prefer not to say":

Race field (PID-10): |PHC1175^Prefer not to say^HL7005|

Ethnicity field (PID-22): |PHC1175^Prefer not to say^CDCREC|

If the race or ethnicity is unknown, the CDC HL7 VXU specification document calls for the field to be blank. Inbound VXU messages with blank PID-10 and PID-22 fields will receive a warning message back from CAIR2 indicating that the fields were not present and to correct and resubmit. The warning will not prevent the immunization data submitted in the VXU message from posting in CAIR2 and the expectation is that patient's race or ethnicity will be submitted with the next immunization given for the patient.

Example warning ACK returned for a missing race value:
MSH|^~\&|CAIRIIS2.8.2.5|CAIRIIS|Example|Example|202211080926400800||ACK^V04^ACK|883B1D2A|P|2.5.1|||NE|NE|||||Z23^CDCPHINVS|CAIR IIS|Example

ERR||PID^1^10^1|102^Data type error^HL70357|W|4^Invalid value^HL70533|||Warning: PID-10 Race Code was not present. Correct and resubmit.

Example warning ACK returned for a missing ethnicity value:
MSH|^~\&|CAIRIIS2.8.2.5|CAIRIIS|Example|Example|202211080926400800||ACK^V04^ACK|883B1D2A|P|2.5.1|||NE|NE|||||Z23^CDCPHINVS|CAIR IIS|Example

ERR||PID^1^22^1|102^Data type error^HL70357|W|4^Invalid value^HL70533|||Warning: PID-22 Ethnic Group was not present. Correct and resubmit.

Invalid race and ethnicity codes will also return a warning ACK.
Examples:

MSH|^~\&|CAIRIIS2.8.2.5|CAIRIIS|Example|Example|202211080926400800||ACK^V04^ACK|883B1D2A|P|2.5.1|||NE|NE|||||Z23^CDCPHINVS|CAIR IIS|Example

ERR||PID^1^10^1|102^Data type error^HL70357|W|4^Invalid value^HL70533|||Warning: PID-10 Race Code is an invalid code. Correct and resubmit

MSH|^~\&|CAIRIIS2.8.2.5|CAIRIIS|Example|Example|202211080926400800||ACK^V04^ACK|883B1D2A|P|2.5.1|||NE|NE|||||Z23^CDCPHINVS|CAIR IIS|Example

ERR||PID^1^22^1|102^Data type error^HL70357|W|4^Invalid value^HL70533|||Warning: PID-22 (Ethnic Group) is an invalid code. Correct and resubmit.