Approach for Defining ACK Error Codes Related to PID Segment

1. Using IG and CDC Endorsed Core Data Elements, we listed out the R and RE fields in the PID segment and what types of error conditions there might be for each.
   1. We didn’t limit ourselves to just the CDC Endorsed Core Data Elements, but felt that those data elements should be prioritized higher for associated errors.
2. We attempted to designate a priority level for generating an error message with a specific error code.
3. For this initial pass, we wanted to strive for specific error codes for each condition and not assign generalized codes.
4. Reviewed existing error codes and assigned to PID error conditions if there were already 1:1 specific codes (there were only a handful).
5. Assigned new codes in the appropriate categories (e.g., 25XX series for missing data, 22XX series for invalid data) to the remaining PID error conditions.

FOOD FOR THOUGHT:

* Still trying to determine best approach – this is an early draft
* There is still an open question about whether separate, specific error codes are better than generalized codes – potential volume of new codes….
* This pass doesn’t completely capture cross-field / cross-segment data consistency issues
* This pass doesn’t capture data consistency issues between the message and what’s already in the IIS.
* This pass was more technical in nature – also need to keep business rules for data quality in mind
* We may want to first enumerate the excepted classes of error codes (e.g., add a 28XX series) – this potentially should align with the expected actor who can address the issue so that notification routing can be reliably based on the classifications