

Standard 5 - Patient Laboratory Result Information

Current market assessment across connected providers has shown that while there is a general consistency in capturing laboratory order information using CPT codes (for the purposes of billing and claims submission), there is no consistency in coding standards or a common standard for Units of Measure used for results reporting. This has the following impacts on the HIE:

- Reduces the ability for clinicians to clinically compare lab results from different facilities in the HIE (e.g. an HbA1c from facility A and a HbA1c from facility B) which decreases the clinical benefit and ease of use significantly which impacts adoption
- Limits the ability to undertake analytics and reporting on laboratory results due to lack of coding standards (e.g. Percentage of diabetic patients with poorly controlled HbA1c levels in the Emirate)

Requirement

That all facilities and reference labs need to adhere to the following when reporting results

Data Item Name	Description	Data Type	Required coding system	Example	Required/Optional
Laboratory result code	Lab result code in OBX segments	Coded	LOINC	718-7 (Haemoglobin in Blood)	Required
DSSID	Diagnostic service section ID to categorise the lab test correctly	Coded	Malaffi DSSID codeset	CH for Chemistry, HM for Hematology etc	Required and shouldn't just be sent as a generic "LAB" code
Reference Ranges	The normal range for a lab result	Numeric	NA	11.1 – 15.9 g/dL	Required for Numeric results
Units of Measure	Result units	Textual	Standard International Units	g/dL for Hemoglobin	Required for Numeric results

Timeline - 12 months from circular issue date