

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 | Recommended 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