What is it

It is …

• A catalogue for laboratory medicine requesting
  – and possibly later to include reporting
• A technology preview
• Clinically assured by Royal College of Pathologists

It is not …

• Yet another terminology!
  We already have …
  – SNOMED CT
  – IUPAC NPU
  – LOINC
  – UK Pathology Bounded Code List
• Complete or stable
• A price list
• Something to print out
So why have it?

• We need a catalogue for NHS organisations to order laboratory tests from
  – Similar to a pharmacy formulary

• Includes:
  – Tests
  – Profiles / batteries of tests
  – Collected specimens
  – Specimen pre-requisites
  – Collection methods
Results

• Currently we have issues with our laboratory reporting terminology
  – Inconsistent use of units between laboratories
  – Different processes lead to different units and reference ranges
• Different laboratories report different normal ranges for the same process
What does NLMC cover?

• The first draft release of NLMC covers requests for the following disciplines:
  – Immunology
  – Clinical Biochemistry
  – Histopathology
  – Cytopathology
  – Haematology and Blood Transfusions

* Blood Transfusion Scope: The NLMC will include test requests for clinician pathology test requests relating to basic blood transfusion studies such as blood grouping and antigen typing. It will not cover requests to issue units of blood or blood products such as fresh frozen plasma.
Additional content

• Blood Transfusion and Haematology test requests that have multiple components are included in this release (NLMC Profiles).
• Some provisional profile names for other disciplines are also provided.
• Virology content is also included in the release in Peer Review format.
  – there was insufficient feedback from Virologists to fully assure the content.
<table>
<thead>
<tr>
<th>Discipline</th>
<th>Single Tests</th>
<th>Profiles</th>
<th>Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Biochemistry</td>
<td>73%(628)</td>
<td>10%</td>
<td>0%</td>
</tr>
<tr>
<td>Haematology</td>
<td>86%(103)</td>
<td>10%</td>
<td>0%</td>
</tr>
<tr>
<td>Blood Transfusion</td>
<td>100%(3)</td>
<td>100%(6)</td>
<td>0%</td>
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<tr>
<td>Immunology</td>
<td>98%(528)</td>
<td>0%</td>
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<tr>
<td>Virology</td>
<td>75% (219)</td>
<td>N/A</td>
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<tr>
<td>Microbiology</td>
<td>&lt;1%(2)</td>
<td>N/A</td>
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<tr>
<td>Histology</td>
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<tr>
<td>Cytology</td>
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<tr>
<td>Andrology</td>
<td></td>
<td></td>
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<tr>
<td>Genetics</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NLMC Structure

An NLMC Test
  - Has one
    - Has one or more
      - Collected Specimens
        - Have one or more
          - Have one
            - Type
              - SnomedCTConceptID
              - Morphology Required
              - Topography Required
        - Have zero or more
          - Sample Preconditions
      - Have zero or more
          - Collection Methods
            - Have one
              - Method
              - SnomedCTConceptID
  - Has one
    - NLMC ID
    - Full Name
    - Display Name
    - SnomedCTConceptID
    - NLMC Recommended Snomed CT Description
    - Disciplines
    - Alternate Names
    - Keywords
Who has been involved/provides Clinical Assurance?

Barts and The London NHS Trust
South London Healthcare NHS Trust
Great Ormond Street Hospital for Children NHS Trust
Greater Glasgow and Clyde NHS Trust
NHS Wales GIG CYMRU
The Royal Liverpool and Broadgreen University Hospitals NHS Trust
Roche
BT
Tameside Hospital NHS Foundation Trust
The Association for Clinical Biochemistry
UKNEQAS
UKNEQAS

Birmingham Women’s NHS Foundation Trust
Sandwell and West Birmingham Hospitals NHS Trust
Plymouth Hospitals NHS Trust
Connecting for Health
StarLIMS LAB DATA/ENTERPRISE ACTION
iSOFT
Cerner
RCGP
The Royal College of Pathologists
Pathology: the science behind the cure
CliniSys Diagnostics Intelligence
East Kent Hospitals University NHS Foundation Trust
emis
NHS Grampian
INTERSYSTEMS
THE DOCTORS LABORATORY

….amongst others
Availability

http://www.uktcregistration.nss.cfh.nhs.uk