Dear [Name],

**Re: Information Request – Freedom of Information Act (FOIA) 2000**

Thank you for your enquiry. I can confirm that the Health and Social Care Information Centre (HSCIC) has considered your query dated the 27th August 2013 regarding the following:

1. *Please provide me with a list of procedure/care codes and their description used in the end to end care pathway for Children's congenital heart surgery. For example the codes for different types of diagnostic tests, surgery, post operative care such as Paediatric Intensive Care and High Dependency Care.*

The National Classification Service has confirmed the list of OPCS-4 codes and their descriptions noted below, to be applicable for use in children’s cardiac surgery. These may be coded on a Trusts theatre or Patient Administration System and may also be used in care pathways. Please note the list may not be exhaustive and will need clinical validation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>K041</td>
<td>Repair of tetralogy of Fallot using valved right ventricular outflow conduit</td>
</tr>
<tr>
<td>K042</td>
<td>Repair of tetralogy of Fallot using right ventricular outflow conduit NEC</td>
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<tr>
<td>K043</td>
<td>Repair of tetralogy of Fallot using transannular patch</td>
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<tr>
<td>K044</td>
<td>Revision of repair of tetralogy of Fallot</td>
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<tr>
<td>K045</td>
<td>Repair of tetralogy of Fallot with absent pulmonary valve</td>
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<tr>
<td>K046</td>
<td>Repair of Fallot-type pulmonary atresia with aortopulmonary collaterals</td>
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<tr>
<td>K048</td>
<td>Other specified repair of tetralogy of Fallot</td>
</tr>
<tr>
<td>K049</td>
<td>Unspecified repair of tetralogy of Fallot</td>
</tr>
<tr>
<td>K051</td>
<td>Reconstruction of atrium using atrial patch for transposition of great arteries</td>
</tr>
<tr>
<td>K052</td>
<td>Reconstruction of atrium using atrial wall for transposition of great arteries</td>
</tr>
<tr>
<td>K058</td>
<td>Other specified atrial inversion operations for transposition of great arteries</td>
</tr>
<tr>
<td>K059</td>
<td>Unspecified atrial inversion operations for transposition of great arteries</td>
</tr>
<tr>
<td>K061</td>
<td>Repositioning of transposed great arteries</td>
</tr>
<tr>
<td>K062</td>
<td>Left ventricle to aorta tunnel with right ventricle to pulmonary trunk direct anastomosis</td>
</tr>
<tr>
<td>K063</td>
<td>Left ventricle to aorta tunnel with right ventricle to pulmonary artery valved conduit</td>
</tr>
<tr>
<td>K064</td>
<td>Atrial inversion and repositioning of transposed great artery</td>
</tr>
<tr>
<td>K068</td>
<td>Other specified other repair of transposition of great arteries</td>
</tr>
<tr>
<td>K069</td>
<td>Unspecified other repair of transposition of great arteries</td>
</tr>
<tr>
<td>K071</td>
<td>Correction of total anomalous pulmonary venous connection to supracardiac vessel</td>
</tr>
<tr>
<td>K072</td>
<td>Correction of total anomalous pulmonary venous connection to coronary sinus</td>
</tr>
<tr>
<td>K073</td>
<td>Correction of total anomalous pulmonary venous connection to infradiaphragmatic vessel</td>
</tr>
<tr>
<td>K078</td>
<td>Other specified correction of total anomalous pulmonary venous connection</td>
</tr>
<tr>
<td>K079</td>
<td>Unspecified correction of total anomalous pulmonary venous connection</td>
</tr>
<tr>
<td>K081</td>
<td>Repair of double outlet right ventricle with intraventricular tunnel</td>
</tr>
<tr>
<td>K082</td>
<td>Repair of Fallot-type double outlet right ventricle</td>
</tr>
<tr>
<td>K083</td>
<td>Repair of double outlet right ventricle</td>
</tr>
</tbody>
</table>
K084 Repair of double outlet left ventricle
K088 Other specified repair of double outlet ventricle
K089 Unspecified repair of double outlet ventricle
K091 Repair of defect of atrioventricular septum using dual prosthetic patches
K092 Repair of defect of atrioventricular septum using prosthetic patch NEC
K093 Repair of defect of atrioventricular septum using tissue graft
K094 Repair of persistent ostium primum
K095 Primary repair of defect of atrioventricular septum NEC
K096 Revision of repair of defect of atrioventricular septum
K098 Other specified repair of defect of atrioventricular septum
K099 Unspecified repair of defect of atrioventricular septum
K101 Repair of defect of interatrial septum using prosthetic patch
K102 Repair of defect of interatrial septum using pericardial patch
K103 Repair of defect of interatrial septum using tissue graft NEC
K104 Primary repair of defect of interatrial septum NEC
K105 Revision of repair of defect of interatrial septum
K108 Other specified repair of defect of interatrial septum
K109 Unspecified repair of defect of interatrial septum
K111 Open enlargement of defect of atrial septum
K121 Open atrial septostomy
K122 Atrial septectomy
K123 Surgical atrial septation
K124 Open enlargement of defect of interventricular septum
K125 Other specified other open operations on septum of heart
K126 Total cavopulmonary connection with extracardiac inferior caval vein to pulmonary artery conduit
K127 Total cavopulmonary connection with lateral atrial tunnel
K128 Aortopulmonary reconstruction with systemic to pulmonary arterial shunt
K129 Aortopulmonary reconstruction with right ventricle to pulmonary arterial valveless conduit
K129 Biventricular repair of hypoplastic left heart syndrome
K130 Takedown of total cavopulmonary connection
K131 Conversion of atrial pulmonary anastomosis to total pulmonary connection
K132 Other specified repair of univentricular heart
K133 Unspecified repair of univentricular heart
K134 Creation of valved conduit between atrium and ventricle of heart
K135 Creation of valved conduit between right atrium and pulmonary artery
K136 Creation of valved conduit between right ventricle of heart and pulmonary artery
K137 Creation of valved conduit between left ventricle of heart and aorta
K138 Revision of valved cardiac conduit
K139 Creation of valved conduit between left ventricle of heart and pulmonary artery
K140 Creation of conduit between left ventricle of heart and aorta NEC
K141 Repair of subaortic stenosis
K374 Repair of supra-aortic stenosis
K375 Excision of supramitral ring
K376 Aortoventriculoplasty
K378 Other specified removal of obstruction from structure adjacent to valve of heart
K379 Unspecified removal of obstruction from structure adjacent to valve of heart
K384 Closure of aorto-left ventricular tunnel
K482 Transposition of coronary artery NEC
L011 Correction of persistent truncus arteriosus
L012 Application of band to persistent truncus arteriosus
L013 Repair of anomalous pulmonary artery origin from ascending aorta
L014 Closure of aortopulmonary window
L018 Other specified open operations for combined abnormality of great vessels
L021 Division of patent ductus arteriosus
L022 Ligature of patent ductus arteriosus
L023 Closure of patent ductus arteriosus NEC
L024 Revision of correction of patent ductus arteriosus
L028 Other specified open correction of patent ductus arteriosus
L029 Unspecified open correction of patent ductus arteriosus
L048 Other specified open operations on pulmonary arterial tree
L051 Creation of shunt to main pulmonary artery from ascending aorta using interposition tube prosthesis
L052 Creation of shunt to right pulmonary artery from ascending aorta using interposition tube prosthesis
L053 Creation of shunt to left pulmonary artery from ascending aorta using interposition tube prosthesis
L054 Percutaneous transluminal balloon dilation of interposition tube prosthesis between pulmonary artery and aorta
L058 Other specified creation of shunt to pulmonary artery from aorta using interposition tube prosthesis
L059 Unspecified creation of shunt to pulmonary artery from aorta using interposition tube prosthesis
L061 Creation of aortopulmonary window
L062 Creation of anastomosis to main pulmonary artery from ascending aorta NEC
L063 Creation of anastomosis to right pulmonary artery from ascending aorta NEC
L064 Creation of anastomosis to left pulmonary artery from descending aorta NEC
L065 Creation of anastomosis to pulmonary artery from aorta NEC
L066 Revision of anastomosis to pulmonary artery from aorta
L067 Takedown of anastomosis to pulmonary artery from aorta
L068 Other specified other connection to pulmonary artery from aorta
L069 Unspecified other connection to pulmonary artery from aorta
L071 Creation of shunt to right pulmonary artery from right subclavian artery using interposition tube prosthesis
L072 Creation of shunt to left pulmonary artery from left subclavian artery using interposition tube prosthesis
L073 Closure of prosthetic shunt to pulmonary artery from subclavian artery
L074 Percutaneous transluminal balloon dilation of interposition tube prosthesis between pulmonary artery and subclavian artery
L075 Percutaneous transluminal occlusion of interposition tube prosthesis between pulmonary artery and subclavian artery
L078 Other specified creation of shunt to pulmonary artery from subclavian artery using interposition tube prosthesis
L079 Unspecified creation of shunt to pulmonary artery from subclavian artery using interposition tube prosthesis
L081 Creation of anastomosis to right pulmonary artery from right subclavian artery NEC
L082 Creation of anastomosis to left pulmonary artery from left subclavian artery NEC
L083 Creation of anastomosis to pulmonary artery from subclavian artery NEC
L084 Revision of anastomosis to pulmonary artery from subclavian artery
L088 Other specified other connection to pulmonary artery from subclavian artery
L089 Unspecified other connection to pulmonary artery from subclavian artery
L091 Creation of anastomosis to pulmonary artery from vena cava
L092 Removal of anastomosis between pulmonary artery and vena cava
L096 Other specified other connection to pulmonary artery
L099 Unspecified other connection to pulmonary artery
L101 Repair of pulmonary artery using prosthesis
L102 Repair of pulmonary artery using patch
L103 Repair of anomalous pulmonary artery NEC
Repair of pulmonary arterial sling
Other specified repair of pulmonary artery
Unspecified repair of pulmonary artery
Application of band to pulmonary artery
Adjustment of band to pulmonary artery
Removal of band from pulmonary artery
Pulmonary artery ligation
Other specified other open operations on pulmonary artery
Repair of interrupted aortic arch
Major systemic to pulmonary collateral artery occlusion
Pulmonary unifocalisation
Other specified operations on major systemic to pulmonary collateral arteries
Repair of anomalous caval vein connection

Regarding elements of post-operative and paediatric intensive care and high dependency care the Data Dictionary Team can confirm they do not have any heart-surgery specific data sets defined in the data dictionary; however information on the associated activity will be carried in the Admitted Patient Care Commissioning Data Sets. These data sets will carry the applicable OPCS codes outlined above; they would also carry the Paediatric Critical Care Minimum Data Set. http://www.datadictionary.nhs.uk/data_dictionary/messages/supporting_data_sets/data_sets/paediatric_critical_care_minimum_data_set_fr.asp?shownav=1, which would record the following attributes regarding critical or high dependency care:

CRITICAL CARE UNIT FUNCTION
(http://www.datadictionary.nhs.uk/data_dictionary/attributes/c/cou/critical_care_unit_function_de.asp?shownav=1) – in the section ‘Children and Young People Facilities’ this would give an indication of the level of care received (intensive/high dependency)

CRITICAL CARE ACTIVITY CODE
(http://www.datadictionary.nhs.uk/data_dictionary/attributes/c/cou/critical_care_activity_code_de.asp?shownav=1) - gives detail of the activities provided whilst the patient is receiving critical care (of any level)

I would also note that if a child was treated in adult critical care, this would trigger a ‘general’ critical care data set record (again through the Commissioning Data Set flow). This data set
(http://www.datadictionary.nhs.uk/data_dictionary/messages/supporting_data_sets/data_sets/critical_care_minimum_data_set_fr.asp?shownav=1) includes the attributes stated above in the Paediatric Critical Care data set, but also has additional useful attributes such as UNIT BED CONFIGURATION
(http://www.datadictionary.nhs.uk/data_dictionary/attributes/u/unit_bed_configuration_de.asp?shownav=1) which give further detail regarding the care received.

Similarly, for a very young child (neonate) undergoing heart surgery, the Neonatal Critical Care Minimum Data Set would apply for the Commissioning Data Sets
(http://www.datadictionary.nhs.uk/data_dictionary/messages/supporting_data_sets/data_sets/neonatal_critical_care_minimum_data_set_fr.asp?shownav=1) – this data set is very similar to the Paediatric one above – there are no further attributes which may be of interest.

Also, we are in the process of defining the National Neonatal Data Set, with the Neonatal Data Analysis Unit at Imperial College – for neonatal critical care data their website may be helpful: http://www1.imperial.ac.uk/departmentofmedicine/divisions/infectiousdiseases/paediatrics/neonatalmedicine/ndau/

Regarding your final point on the cost to commissioners we would recommend you seek clarity from the Payment by Results Team within the Department of Health, who can be contacted as follows:
Ministerial Correspondence and Public Enquiries Unit
Department of Health
Richmond House
79 Whitehall
London
SW1A 2NS

Contact form http://www.info.doh.go...

In line with the Information Commissioner’s directive on the disclosure of information under the Freedom of Information Act 2000 your request will form part of our disclosure log. Therefore, a version of our response which will protect your anonymity will be posted on the HSCIC website.

It should be noted that your request will now be marked as closed on our internal recording systems. A new reference number will be allocated if/when we receive confirmation of the above. We will ensure that your enquiries are linked and that you receive a full response as soon as possible.

Yours sincerely,

Higher Information Governance Officer

Further information about your right to complain under the Freedom of Information Act is available from the Information Commissioner’s Office, Wilmslow, Cheshire, and on The Information Commissioner’s website www.ico.gov.uk.

The Health and Social Care Information Centre values customer feedback and would appreciate a moment of your time to respond to our Freedom of Information (FOI) Survey to let us know about your experience. Please access the survey through this link

https://www.surveymonkey.com/s/HSCIC_FOI_Feedback