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Guidance for Creation of an NHS 111 Repeat Caller Query

Document Management

Revision History

Version	Date	Summary of Changes
0.1	05/01/2012	First Version for comment
1.0	04/10/2013	Rebranded HSCIC & made Final

Reviewers

This document must be reviewed by the following people: author to indicate reviewers

Reviewer name	Title / Responsibility	Date	Version
Kevin Sprague	Interoperability Team Lead	11/08/2011	0.1
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Approved by

This document must be approved by the following people: author to indicate approvers

Name	Signature	Title	Date	Version
Richard Kavanagh		Interoperability Development Manager	11/08/2011	0.1

Glossary of Terms

Term / Abbreviation	What it stands for
CDA	Clinical Document Architecture (a HL7 standard for Clinical Documents)
Participation	The involvement of a role in an act
Role	A responsibility or part played by an entity
DCE UUID	Distributed Computing Environment Universally Unique Identifier - is an identifier standard used in software construction
XML	Extensible Markup Language - is a general-purpose specification for creating custom markup languages
DMS	Domain Message Specification (sometimes called a pack) is the message specification(s) offered by Connecting for Health for a domain (such as NHS 111)
PDS	Patient Demographic Service – the NHS patient database

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Contents

1 Introduction

1.1 Purpose of Document

This document provides guidance for creating an NHS 111 Repeat Caller Query message. The document includes the information that an NHS 111 system needs to supply to create the query.

2 Guidance for creating an NHS 111 Repeat Caller Query

2.1 HL7 V3 Reminder

A note to remind developers that the NHS 111 Repeat Caller Query is NOT a CDA document. Therefore, there is no concept of "on-the-wire" and "conformance" schemas. The schema provided for the NHS 111 Repeat Caller Query is BOTH the conformance and on-the-wire schema.

2.2 Populating the Repeat Caller Query Message

This section documents the various NHS111 Repeat Caller Query classes and concepts, and what data is required to populate the message. For the optionality of each data item, consult the NHS 111 Repeat Caller Query model. Further guidance on data values is given on the associated model tabular view.

Class: RepeatCallerQuery	Acts as a header for the Repeat Caller Query		
Data Item	**Business relevance**	**Value Guidance**	**Xpath**	**Example**
classCode	None, a fixed value	Always **FIXED** to "CACT"	/RepeatCallerQuery/@classCode	< RepeatCallerQuery classCode="CACT " moodCode="EVN">
moodCode	None, a fixed value	Always **FIXED** to "EVN"	/RepeatCallerQuery/@moodCode	< RepeatCallerQuery classCode="PCPR " moodCode="RQO">
id/@root	A unique identifier for the query. Must be a DCE UUID	A generated DCE UUID	/RepeatCallerQuery /id/@root	<id root="B709A442-3CF4-476E-8377-376500E829C9"/>
code/@code code/@codeSystem	None, a fixed value	Always **FIXED** Code "01" CodeSystem "2.16.840.1.113883.2.1.3.2.4.17.420"	/RepeatCallerQuery /code/@code /RepeatCallerQuery /code/@codeSystem	<code code="01" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.420"/>
effectiveTime/@value	The date and time the query was produced	The system date/time when the query was made. This can be to any precision, but to the second is recommended	/RepeatCallerQuery /effectiveTime/@value	<effectiveTime value="201105192000"/>

Note: the table header row spans "Data Item", "Business relevance", "Value Guidance", "Xpath", "Example" (5 columns).

Concept: author	Contains the document author details. NOTE it is expected that author details will conform to the AuthorPersonUniversal conformance profile only.	Includes classes Author; assignedAuthor; representedOrganization; assignedperson	
Data Item	**Business relevance**	**Value Guidance**	**Xpath**	**Example**
author/typeCode	None – a fixed code	Always FIXED to "AUT"	/RepeatCallerQuery/author/@typeCode	<author typeCode="AUT" contextControlCode="OP">

author/contextControlCode	None – a fixed code	Always FIXED to "OP"	/RepeatCallerQuery/author/@contextControlCode	<author typeCode="AUT" contextControlCode="OP">
author/contentId/@root author/contentId/@extension	Varies according to the type of author. Assuming person Universal author only	Assuming Author Person Universal template only Always FIXED Root "2.16.840.1.113883.2.1.3.2.4.18.16" Extension "COCD_TP145200GB01#AssignedAuthor"	/RepeatCallerQuery/author/npfitlc:contentId/@root /RepeatCallerQuery/author/npfitlc:contentId/@extension	<npfitlc:contentId root="2.16.840.1.113883.2.1.3.2.4.18.16" extension="COCD_TP145200GB01 #AssignedAuthor"/>
COCD_TP145200GB01.AssignedAuthor/classCode	None – a fixed value	Always FIXED to ASSIGNED	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/@classCode	<COCD_TP145200GB01.Assigned Author classCode="ASSIGNED">
COCD_TP145200GB01.AssignedAuthor/id/@root COCD_TP145200GB01.AssignedAuthor/id/@extension	Identifiers to indicate the author – this might be an SDS identifier (by preference), or a local one (or both)	A code system identifier such as "1.2.826.0.1285.0.2.0.65" for an SDS identifier, or "2.16.840.1.113883.2.1.3.2.4.18.24" for a local identifier, and the identifying code	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/id/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/id/@extension	<id root="2.16.840.1.113883.2.1.3.2.4.18.24" extension="100"/>
COCD_TP145200GB01.AssignedAuthor/code/@code COCD_TP145200GB01.AssignedAuthor/code/@codeSystem COCD_TP145200GB01.AssignedAuthor/code/@displayName	A code that describes the author's job role – this might be from	A code system identifier such as "2.16.840.1.113883.2.1.3.2.4.17.196" for an SDS Job Role code, or a local code system and a code from that code system	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/code/@code /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/code/@codeSystem /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/code/@displayName	<code code="OOH02" codeSystem="2.16.840.1.113883.2.1.3.2.4.17.196" displayName="Nurse Practitioner"/>

	SDS (by preferenc e), or a local code			

COCD_TP145200GB01.AssignedAut hor/addr/@use
 	
COCD_TP145200GB01.AssignedAut hor/addr/streetAddressLine[1.. 5]
 	
COCD_TP145200GB01.AssignedAut hor/addr/postalCode
	The address of the author	An address for the author – maybe from SDS. Use attribute will be fixed to "WP" (work place). For consistency, only have street addresssline and postcode as well as the fixed use attribute	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ addr/@use
			
			/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ addr/streetAddressLine
			
			/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ addr/postalCode
				\<addr use=" WP"\>
				
				  \<streetAddressLine\>The Hospital\</streetAddressLine\>
				
				  \<streetAddressLine\>Hospital Road\</streetAddressLine\>
				
				  \<postalCode\>CB1 1AA\</postalCode\>
				
				\</addr\>

COCD_TP145200GB01.AssignedAut hor/telecom/@value	Phone or email details of the author – maybe from SDS	Author's telecom details. Can be a telephone number, email address etc. Fix the "use" attribute to "EC" (emergency contact)	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/t elecom/@value	\<telecom value=tel:01234567890 use="EC"/\>
COCD_TP145200GB01.AssignedAut hor/templateId/@root COCD_TP145200GB01.AssignedAut hor/templateId/@extension	None – a fixed value	Always FIXED to Root "2.16.840.1.113883.2.1.3.2 .4.18.2" Extension "COCD_TP145200GB01#A ssignedAuthor"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/t emplateId/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/t emplateId/@extension	\<templateId root="2.16.840.1.113883.2.1.3.2.4. 18.2" extension="COCD_TP145200GB01 #AssignedAuthor"/\>
assignedPerson/@classCode	None – a fixed code	Always FIXED to "PSN"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ assignedPerson/@classCode	\<assignedPerson classCode="PSN" determinerCode="INSTANCE"\>
assignedPerson/determinerCo de	None – a fixed code	Always FIXED to "INSTANCE"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ assignedPerson/@determinerCode	\<assignedPerson classCode="PSN" determinerCode="INSTANCE"\>
assignedPerson/name/prefix	The name of the	The name of the author – maybe from SDS. In structured format of prefix,	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/ assignedPerson/name/prefix	\<name\>

assignedPerson/name/given assignedPerson/name/surname	author	given name and family name	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/name/given /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/name/family	<prefix>Ms</prefix> <given>Mary</given> <family>Jones</family> </name>
assignedPerson/templateId/@root assignedPerson/templateId/@extension	None – a fixed code	Always FIXED to Root "2.16.840.1.113883.2.1.3.2.4.18.2" Extension "COCD_TP145200GB01#assignedPerson"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/templateId/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/assignedPerson/templateId/@extension	<templateId root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD_TP145200GB01#assignedPerson"/>
representedOrganization/classCode	None – a fixed code	Always FIXED to "ORG"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/@classCode	<representedOrganization classCode="ORG" determinerCode="INSTANCE">
representedOrganization/determinerCode	None – a fixed code	Always FIXED to "INSTANCE"	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/@determinerCode	<representedOrganization classCode="ORG" determinerCode="INSTANCE">
representedOrganization/id/@root representedOrganization/id/@extension	Either the organisation site code (preferred), or the organisation code of the author	If a site code, root FIXED to "2.16.840.1.113883.2.1.3.2.4.19.2" If an org code, root FIXED to "2.16.840.1.113883.2.1.3.2.4.19.1" Plus the actual code	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/id/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/id/@extension	<id root="2.16.840.1.113883.2.1.3.2.4.19.2" extension="5L399"/>
representedOrganization/name	The organisation name associated with the code	Name associated with the code in the "id" attribute	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/name	<name>Chelmsford Trust NHS 111 site</name>
representedOrganization/temp	None – a	Always FIXED to	/RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/r	<templateId

lateId	fixed code	Root "2.16.840.1.113883.2.1.3.2.4.18.2" Extension "COCD_TP145200GB01#representedOrganization"	epresentedOrganization/templateId/@root /RepeatCallerQuery/author/COCD_TP145200GB01.AssignedAuthor/representedOrganization/templateId/@extension	root="2.16.840.1.113883.2.1.3.2.4.18.2" extension="COCD_TP145200GB01#representedOrganization"/>

Concept: Query and query parameters		Details of the query parameters		
Data Item	**Business relevance**	**Value Guidance**	**Xpath**	**Example**
person.birthTime/semanticsText	None – a fixed value	Always fixed to "Person.birthTime"	/RepeatCallerQuery/query/person.birthTime/semanticsText	<semanticsText>Person.birthTime</semanticsText>
person.birthTime/value/@value	The patient's date of birth	The patient's date of birth	/RepeatCallerQuery/query/person.birthTime/value/@value	<value value="19760330"/>
person.familyName/semanticsText	None – a fixed value	Always fixed to "Person.familyName"	/RepeatCallerQuery/query/person.familyName/semanticsText	<semanticsText>Person.familyName</semanticsText>
person.familyName/value	The patient's family name	The patient's family name	/RepeatCallerQuery/query/person.familyName/value	<value>Johnson</value>
person.givenName/semanticsText	None – a fixed value	Always fixed to "Person.givenName"	/RepeatCallerQuery/query/person.givenName/semanticsText	<semanticsText>Person.givenName</semanticsText>
person.givenName/value	The patient's given	The patient's given name	/RepeatCallerQuery/query/person.givenName/value	<value>Jason</value>

	name			
person.id/semanticsText	None – a fixed value	Always fixed to "Person.id"	/RepeatCallerQuery/query/person.id/semanticsText	<semanticsText>Person.id</semanticsText>
person.id/value/@root person.id/value/@extension	The patient's NHS Number	Root is always fixed to "2.16.840.1.113883.2.1.4.1" Extension is the NHS Number	/RepeatCallerQuery/query/person.id/value/@root /RepeatCallerQuery/query/person.id/value/@extension	<value root="2.16.840.1.113883.2.1.4.1" extension="8976781256"/>
person.postalCode/semanticsText	None – a fixed value	Always fixed to "Person.postalCode"	/RepeatCallerQuery/query/person.postalCode/semanticsText	<semanticsText>Person.postalCode</semanticsText>
person.postalCode/value	The patient's post code	The patient's post code	/RepeatCallerQuery/query/person.postalCode/value	<value>B8 7GF</value>
person.streetAddressLine1/semanticsText	None – a fixed value	Always fixed to "Person.streetAddressLine1"	/RepeatCallerQuery/query/person.streetAddressLine1/semanticsText	<semanticsText>Person.streetAddressLine1</semanticsText>
person.streetAddressLine1/value	The patient's street address line 1	The patient's street address line 1	/RepeatCallerQuery/query/person.streetAddressLine1/value	<value>65 Fir Tree Avenue</value>