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# CP-IS NHS System Specification Baseline

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# Document management

## Revision History

Version	Date	Summary of Changes
0.1	29 <sup>th</sup> Mar 2013	Initial Draft
0.2	15 <sup>th</sup> May 2013	Inclusion of Use Cases
0.3	30 <sup>th</sup> May 2013	Elaboration of requirements
0.4	4 <sup>th</sup> Jun 2013	HSCIC Internal Review
0.5	5 <sup>th</sup> Jun 2013	Inclusion of internal comments
0.6	6 <sup>th</sup> Jun 2013	Inclusion of Reviewers
0.7	1 <sup>st</sup> Jul 2013	Inclusion of Reviewers comments
1.0	1 <sup>st</sup> Jul 2013	Final Baseline
1.1	5 <sup>th</sup> Jun 2015	Minor clarification updates
2.0	18 <sup>th</sup> Dec 2018	<p>CP-NHS001 - Note added to requirement. Reason: As batch-tracing for a verified NHS Number isn't appropriate for CP-IS this is made clear to suppliers by the addition of the Note.</p> <p>CP-NHS002 - Note added to requirement. Reason: To overcome the issues observed in the 111 Service the triggering of the CP-IS query can optionally be configured by the site to first clinical contact instead of when the verified NHS number is first identified.</p> <p>CP-NHS003 - Note 1 added to requirement. Reason: It is often felt more useful for the ASN displayed to the LA to display the details of the Child Safeguarding Lead rather than the end user who triggered the query. This change was discussed and agreed between the CP-IS Programme and the Information Governance team. Note 2 added to requirement. Reason: To improve the usefulness of the ASN to the LA when it is received from the 111 Service. Previously the details were often unrecognisable or not helpful to the LA as they were the details associated with the call centre.</p> <p>CP-NHS004 - Requirement amended to reflect the current agreement between CP-IS Programme and live suppliers. This is because most Spine compliant systems use a combination of Spine RBAC and local access controls.</p> <p>CP-NHS005 - Removed the text "is required" as it reads better.</p> <p>CP-NHS007 - This requirement was removed in v1.1 (maternity requirement changes). Due to the change to CP-NHS008 UCPP's can now be identified by any user with access to CP-IS, via RBAC (B0107) or local access controls. It is important that all users with RBAC activity B0107 are able to identify UCPPs, not only users with a Midwife role.</p> <p>CP-NHS008 - The CP-IS Programme have extended the age range of CP-IS searches for potentially pregnant women so that they match those currently carried out within the SCRa solution. This revision has been reviewed by a working Group of NHS Midwives, the CP-IS Clinical Safety Leads and approved by the CP-IS Programme Board, Chaired by the Head of Safeguarding for NHS England.</p> <p>CP-NHS010 - Removed ambiguity by also stating which dataset items must be displayed as this requirement has led to many queries from suppliers and defects in their solutions.</p> <p>CP-NHS011 - Re-worded to make the requirement clearer</p> <p>CP-NHS014 - Amended to also include error messages. This functionality</p>

has historically been verbally agreed with suppliers but it hasn't been part of the written requirements.

CP-NHS015 - Amended to also include date & time and the role of the healthcare worker as we expect this to be displayed also however it was missing from the requirement. We have seen a supplier develop their system and not display the role.

CP-NHS016 - Amended to remove ambiguity. Suppliers often mis-interpreted this requirement.

CP-NHS017 - REMOVED in 2.0 - not needed.

CP-NHS019 - Removed "be" to make better sense.

CP-NHS020 - Updated in line with the maternity changes in CP-NHS008.

CP-NHS021 - NEW requirement. During discussions between the CP-IS Programme and the IG team it was felt that if a report was provided to the Child Safeguarding Lead it would close a gap.

CP-NHS022 - NEW requirement. Until now this requirement has been verbally agreed with all suppliers.

CP-NHS023 - NEW requirement. Needed for auditing purposes.

General update - The text "If an integrated solution to view CPP/LAC has been decided upon locally;" was removed from all requirements where the requirement applies not only to integrated systems but any NHS system.

General update - The term CPP/LAC information was changed to CP-IS information throughout the requirements. This is because it infers ONLY CPP/LAC and not UCPP when it actually refers to all three. Additionally CP-IS information also includes the access event history which should also be encompassed.

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## Glossary of Terms

Term / Abbreviation	What it stands for
CP	Child protection
CP-IS	Child Protection – Information Sharing service
CPP	Child Protection Plan
CPR	Child Protection Register
CSCS	Children's Social Care System
CPP/ LAC	Generic term for all child protection plan (including Unborn babies) and Looked After Child information
DfE	Department for Education
DH	Department of Health
Full Care Order	<i>Under Section 31 (of the Children's Act 1989):</i> It allows the Local Authority to share Parental Responsibility for a Child and determine (after consultation) important issues affecting a child. This would include where a child should live and with whom.
HSCIC	Health and Social Care Information Centre (new name for NHS Connecting for Health as from April 1st 2013)
Interim Care Order	<i>Under Section 38 (of the Children's Act 1989):</i> The Court can make an Interim (temporary) Care Order until it has time to consider the case fully and until sufficient evidence has been compiled.

	A first interim Care Order can last for 8 weeks, and thereafter it can be renewed by the Court every 28 days.
LAs	Local Authority(s)
LAC	Looked After Children For the purposes of the CP-IS project, this will specifically be those children that are subject to a Full, Interim or Voluntary Care Orders.
ODS	Organisation Data Service
PDS	Personal Demographic Service
SCRa	Summary Care Record application
SFT	Secure File Transfer
The 'Service'	The CP-IS central core component
UCPP	Unborn Child Protection Plan
Validated NHS number	Correctly formed NHS number, e.g. 3 3 4 format, check digit validated
Verified NHS number	Associated to a specific patient
Voluntary Care Order	Under Section 20 (of the Children's Act 1989): Children and Young people can be accommodated with the consent of those with parental responsibility

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# 1 About this Document

## 1.1 Purpose

The purpose of this document is to specify the functional requirements for NHS systems to support the implementation strategy for the Child Protection Information Sharing Service (CP-IS) in England, delivered by the CP-IS Project Team within the Health & Social Care Information Centre.

It is intended to inform suppliers of NHS systems of the required functionality to enable a system to query and retrieve Child Protection Plan and Looked After Children information (CP-IS Information) indicator information.

This document should be read in conjunction with the following specifications (*links in Appendix*) in order to deliver the NHS system functionality;

- CP-IS Requirements Matrix and Supporting Information NHS: v1.2
- CP-IS Domain Message Specification: (*Release Candidate 1 [RC1] currently available, but Final RC2 expected mid Aug 2013*)
- CP-IS Requirements Specification: v1.4
- CP-IS SCRa Screenshots Document: (*unavailable at time of writing*)
- CP-IS Information Governance: v1.0

The following documents will also be available to support end to end, CP-IS service functionality;

- CP-IS Service System Specification: v1.0
- CP-IS Local Authority System Specification: v1.0

Additionally there the following documents available on request, which are the collated catalogues of the various tables and diagrams outlined within this document;

- CP-IS Use Case Overview: v1.0
- CP-IS Message Descriptions: v1.0
- CP-IS Message Performance: v1.0

## 1.2 Content

This document comprises the following sections / topics.

- Background
- CP-IS Objectives
- Requirements and Matrix, specific to the NHS
- Use Cases and Scenarios
- System and Message functionality

Within this document, the requirements are explicitly listed within tables. Within the Requirements Matrix, the previous CP-IS Requirements Specification v1.4

references are also included. Additional documentation and guidance are contained within each section.

The following use of terminology should be interpreted as such;

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- Where the term **MUST** is used the requirement is mandatory
- Where the term **SHOULD** is used the requirement is optional but recommended
- Where the term **MAY** is used the requirement is optional.

## 2 CP-IS Objectives

### 2.1 Objectives

The primary objectives of the CP-IS service are outlined below;

Make CP-IS information held in social care systems available across England to unscheduled healthcare professionals to support child protection decision making.

- Ensure availability and processing of CP-IS information is delivered in a uniform and secure manner across all unscheduled care in England.
- Improve timeliness, efficiency of delivery and quality of CP-IS information available to clinicians
- To inform Local Authorities and NHS healthcare workers as to whom, when and where within NHS organisations, the child's status had been seen viewed. By default, this will imply that the child had previously been seen within an NHS unscheduled care setting
- Automate the distribution of information from children's social care teams to unscheduled care setting organisations within the NHS.

### 2.2 Scope

The full scope of the work to support the child protection solution includes the development of all the following functionality, as outlined below;

1. Children's Social Care Systems:
  - Collation of CP-IS information and submitting this to the CP-IS Service
  - Management of file validation responses, access history event information and inactive NHS number notifications provided to children's social care systems
2. CP-IS Service:
  - Core CPP (including unborn babies) and LAC information (receipt, process, store, display)
  - Creation of file validation responses, and inactive NHS number notifications provided to children's social care systems
  - Creation of access history event information provided to NHS healthcare workers and to the Local Authority
  - Provision of a mechanism to allow CP-IS information to be transmitted between CP-IS and children's social care systems
  - Provision of functionality to support NHS healthcare workers access the CP-IS information from within unscheduled care settings
3. Unscheduled Care Setting System:
  - Provision of the mechanism to enable the query of what, if any CP-IS information may exist

## 2.3 Future Requirements

Although not included as requirements, and therefore out of scope for this immediate programme of work, design for the future should be considered, including;

- the development of the CP-IS service to support the storage of episodes of care and the capture of reasons for child protection concern from a clinical perspective
- provision of access to the CP-IS service by other NHS systems in other care settings
- remote access of and to the CP-IS, e.g. health visitors
- additional reporting functionality
- Safeguarding Leads contact details to be returned to Local Authorities in the access history

# 3 Background

## 3.1 Introduction

The Coalition Programme for Government states that "we need to... take action to protect children". The Government reinforced its commitment to child protection on 10 June 2010 in announcing an independent review to be conducted by Professor Eileen Munro. A key focus of that review will be on improving the interaction between professionals dealing with children in different sectors, including health.

All NHS organisations have a statutory duty under section 11 of the Children Act 2004 to make arrangements to safeguard and promote the welfare of children. As a provider of both universal and targeted services, the role of the NHS in child protection is to identify children at risk of or actually being abused, and to refer them to children's social care. Sharing information is a key part of effectively protecting children.

Currently, the NHS is failing to deliver a high enough level of protection to children who present in unscheduled care settings. The primary cause for this is lack of information on which to form a clear assessment of the child's risk of abuse or neglect.

One of the key findings in past serious case reviews is that abusive and neglectful parents tend to mask this through moving around between different healthcare services. 50% of children in such cases were known to social services at the time of their injury or death, including 29% with a current or previous Child Protection Plan (CPP). More detailed analysis of 40 cases from 2005-07<sup>1</sup> showed that 45% had previously attended Emergency Departments (ED), and 45% had had frequent house moves for which geographically varied unscheduled encounters would be a marker. Yet most information on child protection is held locally and is not shared between providers or nationally.

Since 1 April 2008, Child Protection Registers have been replaced by the children's social care systems, implemented by each Local Authority (LA) in line with a national specification issued by the previously named Department of Children Schools and Families (DCSF). These include functionality to create and maintain a CPP for those children assessed as being at particular risk. Anecdotally there are various methods by which this is achieved: some LAs provide a list on CD or paper on a weekly basis, while some ED contact LAs if a child presents and they have concerns.

It is important to note that an ED team will not be presented automatically with information about CPPs – they will have to make an active decision to check a list or register or to contact the LA. There is not a one-to-one relationship between ED and LAs, so a given ED

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<sup>1</sup> *Understanding Serious Case Reviews and their Impact – A Biennial Analysis of Serious Case Reviews 2005-07, DCSF, June 2009*

could expect to check CPP information from several LAs (and even then could not guarantee to find a child.)

It is not clear whether any ED have direct access to Children's Social Care systems and are able to see children with CPPs. DH was advised by DSCF that such access would not be permitted, although the reasons for this were not clear. Even if access was allowed, each ED would potentially have to check more than one system to find the relevant child.

## 3.2 Assumptions

The following assumptions about the CP-IS service end to end solution are outlined below;

<b>CP-IS Assumptions</b>	
<b>Children's Social Care Services and Systems</b>	
1	Children's social care systems will not require PDS or Spine integration, although some integration testing will be needed to ensure files are correctly accepted
2	Local Authorities will have access to the N3 network either directly, via GCSx or via the Public Network Service
3	All Local Authorities will be identifiable by their Organisational Data Service (ODS) code.
4	Children's social care systems will be able to receive and manage the workflow of acknowledgement and validation responses and also Access to the Service responses.
5	Children's social care systems will be able to supply all the necessary CP-IS information as required.
6	The CP-IS information that is shared will only be Start Date/ End Date information to indicate that a CPP exists, and/ or, that the child is a Looked After Child, and not the full details of either of these pieces of information.
7	Local Authorities will use the NHS number as the key identifier when sharing information with the NHS.
8	Only the Local Authority will be able to update the child protection information status within the CP-IS service.
9	CPP information for unborn babies will be stored on the mother's record.
10	Only children up to the age of 18years & 365 days will be included within the scope of CP-IS.
<b>Spine Service Management</b>	
11	All existing Spine service management agreements will be maintained and continued. Programme & Project Management, Testing and Acceptance, Implementation Services, Design & Development, Business Change Management & Change Control, Operational Support, Architecture and Technical Requirements, Business Continuity/ Disaster Recovery, Helpdesk, Standards, Audit, Data Quality and Data Quality Management.
12	With regards to Spine Service Level Agreements, these will be subject to existing arrangements.
13	Whilst it will be a target for the CP-IS provider to meet the existing Spine Service SLAs, there will be no penalties with regards to breaches of these SLAs. In return it is expected that weekly and monthly performance reporting of the CP-IS service will be made available to the Service Management teams within HSCIC.
<b>Access to the Service</b>	
14	Access to the CPIS service will be available to NHS healthcare workers (decided locally) via the SCRa.
15	Continual development of SCRa 1-Click functionality will look to address how access to CP-IS can be supported via this mechanism
16	Access to the CPIS service will be available to NHS healthcare workers (decided locally) via integrated messaging
17	NHS systems will provide a verified NHS number to query the CP-IS service
<b>Child Protection - Information Sharing Service</b>	
18	Where Subject Access Requests following the merge of a record are received, the information requested would only be pertinent for the single NHS Number requested, and there will be no requirement on the CP-IS service to link NHS Numbers.
19	Merged records will be handled by the NHS National Back Office, but not to directly update CP-IS.

## 4 Functional Requirements

### 4.1 Overview

The sharing of CP-IS information through a national system would offer practitioners in unscheduled care settings prompt and easy access to relevant information for a child that may help in the decision making processes to identify and act on risks in a timely way.

With the CP-IS service, capturing details about whom, when and where the CP-IS service had been accessed would also imply;

- clinical encounter had taken place;

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The viewing of the CP-IS would indicate that those persons with CP-IS information had been seen within a clinical setting

The intention for the CP-IS Project is to help shape how a national child protection information sharing service will support and improve child protection and safeguarding for these specific group of vulnerable children in unscheduled healthcare settings, by increasing the essential information available to health professionals.

It is expected that the CP-IS service will utilise the Summary Care Record application (SCRa) as one of the means to display the child protection information. In addition however, the CP-IS service will also be available to have the information made directly available from within unscheduled care setting systems.

It will be a decision at a local level within each unscheduled care setting as to who will be able to access the CP-IS information and via what mechanism.

## 4.2 Overarching Principles and Requirements

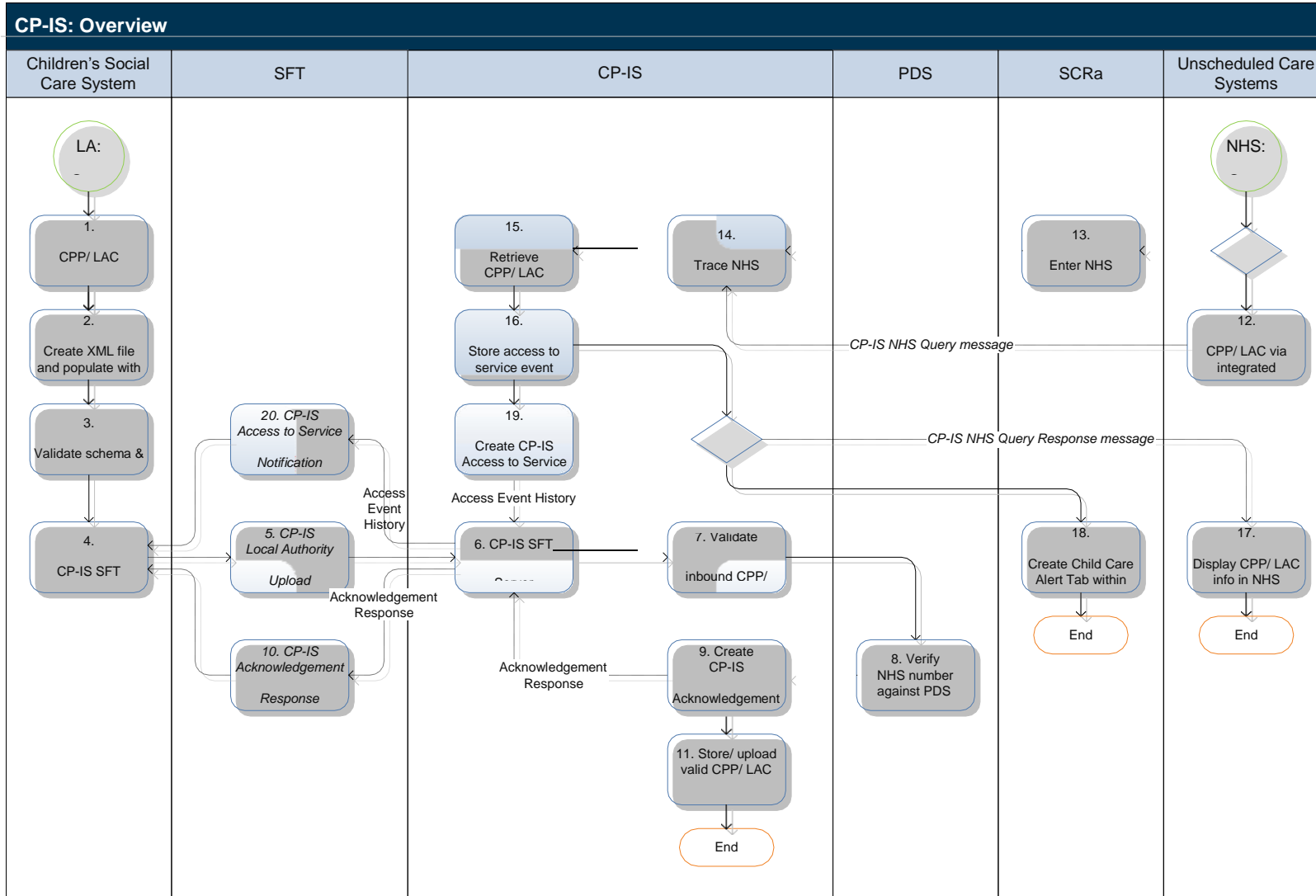
The high level principles outlined below, support the CP-IS service development and should be considered the starting place for what the service will help to support and deliver;

Ref	Overarching Principles
CPHP001	The Service must support the sharing of the CP-IS dataset <sup>2</sup> between Local Authorities and NHS systems and be available from across the whole of England.
CPHP002	When a child or pregnant patient presents to an Unscheduled Care setting there must be appropriate systems in place so that staff can easily tell if the child or unborn child is, or was, the subject of a Child Protection Plan
CPHP003	When a child presents to an Unscheduled Care setting there must be appropriate systems in place so that staff can easily tell if the child is, or was, a Looked After Child
CPHP004	The Service must enable the holding of information against the mother's record if her unborn child has a CPP.
CPHP005	The Service must not substantially increase an NHS healthcare worker's workload nor disrupt operation of clinical practice and should be as efficient as or more so than the existing process.
CPHP006	Anyone within Unscheduled Care, authorised to care for a child, should have access to all data defined in these requirements.
CPHP007	The Service must not allow non NHS staff access to the information contained in the CP-IS dataset unless they are providing NHS services through NHS contracts to third parties that involve care of the child. This will be on the assumption that access controls have been properly implemented by the NHS.
CPHP008	<p>The Service must support access to the CP-IS information from Unscheduled Care Settings;</p> <ul style="list-style-type: none"> <li>• Accident and Emergency</li> <li>• Urgent care in general practices</li> <li>• GP Out of hours care</li> <li>• Minor injuries units</li> <li>• Walk in centres</li> <li>• Ambulances Services (inc. Isle of Wight PCT)</li> <li>• Direct ward admittance</li> <li>• Maternity</li> <li>• The list outlined above is not exhaustive and the service will have to be available to any Unscheduled Care setting.</li> </ul> <p>This will also be dependent on HSCIC roll out and access authorisation</p>
CPHP009	Access to the CP-IS service is to be locally determined in conjunction with, CPHP006 - Anyone within Unscheduled Care, caring for a child requiring access.
CPHP010	The service should be available 24 hours a day, 365 days a year, operating at 99.90% availability.
CPHP011	<p>The keywords Must, Should and May are to be interpreted as described:</p> <ul style="list-style-type: none"> <li>• <b>MUST:</b> The definition is an absolute requirement of the specification.</li> <li>• <b>SHOULD:</b> The definition means that although the requirement should be met, it is acknowledged that it does not have to be, and may indeed be an optional service enhancement.</li> <li>• <b>MAY:</b> The definition means that the requirement is truly optional</li> </ul>

<sup>2</sup> See CP-IS Requirements & Supporting Information\_3.CP-IS Dataset

### 4.3 CP-IS Overview

This high level process provides an overview of how the process of information will flow between systems.



## 12 4.3.1 CP-IS Overview

The following process description detail the steps taken with the process overview as outlined in the previous page.

Step	Process Description
1.	CP-IS information will be recorded locally. The NHS number should be captured from the NHS healthcare worker involved with the child.
2.	The children's social care system identifies the CP-IS dataset items within the child's local record and creates the CP-IS Local Authority Upload message. Periodically a batch file containing these XML messages will be created
3.	The CP-IS Local Authority Upload message should be validated against the message schema defined for this message type
4.	The children's social care system submits the message to the SFT Client.
5.	The CP-IS Local Authority Upload message batch file is sent via the SFT Client to the SFT server. Go to step 6.
6.	From step 5: CP-IS Local Authority Upload message batch file retrieved by CP-IS SFT Server. Go to Step 7. From step 9: CP-IS Acknowledgement Response message batch file submitted by CP-IS SFT Server. Go to Step 10. From step 20: CP-IS Access to Service Notification message batch file submitted by CP-IS SFT Server and then retrieved by the SFT client within the children's social care system
7.	Validate CP-IS Local Authority Upload message.
8.	Verify NHS number(s) against PDS using NHS number(s), Family and Given Name and Date of Birth.
9.	Outcome of validation and NHS number verification, to be captured in CP-IS Acknowledgement Response message, detailing successful and unsuccessful uploads to CP-IS. Go to step 6
10.	CP-IS Acknowledgement Response message batch file submitted via SFT server and available for retrieval by SFT client, within the relevant children's social care system.
11.	Successful uploads to result in CP-IS information uploaded to CP-IS and available for retrieval by NHS systems. Process Ends.
12.	CP-IS NHS Query message may be submitted directly or via Mini ITK Service to CP-IS, once NHS number has been found locally.
13.	SCRa may be used, to trace patient, retrieving the relevant patient's's NHS number.
14.	A trace of CP-IS is undertaken on receipt of CP-IS NHS Query message or via SCRa where relevant activity code is provided.
15.	CP-IS will retrieve CP-IS information.
16.	Access event details will be captured (NHS healthcare worker, NHS organisation, date/ time), when a successful trace of CP-IS is undertaken.
17.	A CP-IS Query Response message will be returned to the relevant NHS system confirming CP-IS information where this exists, including any access event history.
18.	SCRa will create a Child Care Alert tab, displaying any CP-IS information including any access event history.
19.	Access event details will be captured within the CP-IS Access to Service Notification message.
20.	CP-IS Access to Service Notification batched messages submitted via SFT server and available for retrieval by SFT client, within the relevant children's social care system.

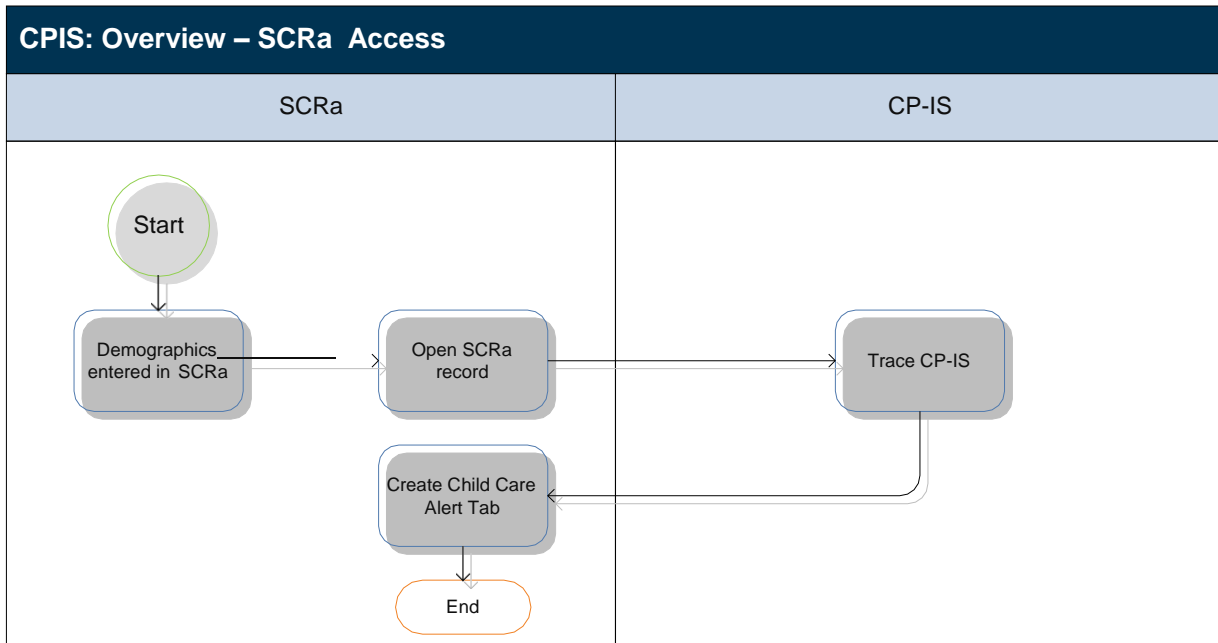




## Summary Care Record Application

Existing criteria will need to be met around accessing SCRa, including smartcard use and application of the relevant activity code, but where CP-IS information exists, a new Child Care Alert tab will be presented to the NHS healthcare worker upon entry and identification of a unique NHS number.

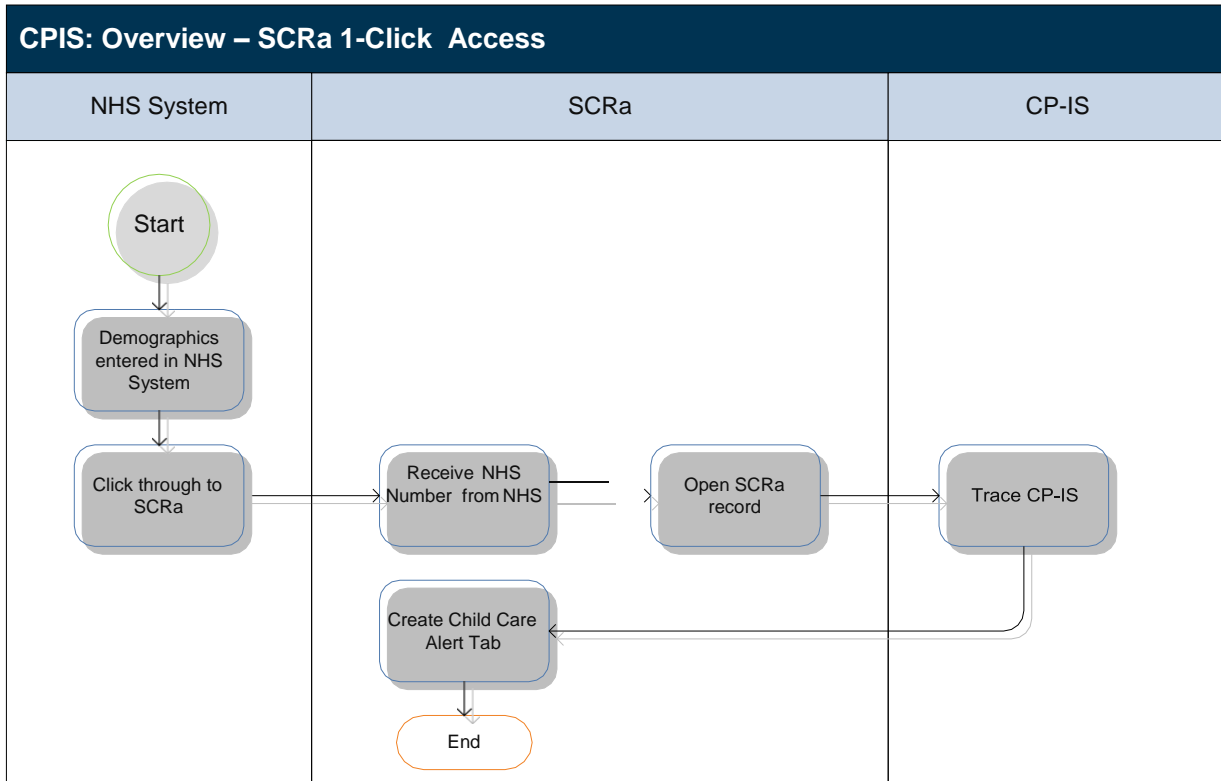
The high level diagram below outlines the access to CP-IS information via the SCRa.



## Summary Care Record application One Click

Expanding on the SCRa functionality, it is possible to 'click through' to the SCRa from within a local NHS system.

The high level diagram below outlines access to CP-IS information via the SCRa 1 click functionality.



## 5.2 Accessing CP-IS Service

To access CP-IS, the unique patient identifier will be the NHS number. How this is obtained will be a local decision, but where existing NHS systems are NHS spine compliant, CP-IS can support the receipt of messages via NHS Spine Transaction Messaging Service (TMS). Further to this however, is that the CP-IS service will also support the use of Interoperability Toolkit (ITK) messages and use of spine mini services (to trace the NHS number and) to trace the CP-IS service

Req Id	Description	Type	Priority
CP-NHS018	Only authorised NHS end-points must be permitted to connect to the service. The mechanism for doing so may vary between systems that access SCRa and those that support integrated messages as per the CP-IS Domain Message Specification RC5	CP-IS IG	MUST
CP-NHS019	Access to the CP-IS service by NHS unscheduled care systems that do not use Spine based RBAC must be controlled by the local systems access controls. Role access could be for example, clinician only access, administrative staff, e.g. receptionists, or a combination of both.	CP-IS IG	MUST

### 5.2.1 Message Interactions

Interactions between NHS systems and the CP-IS service consists of a basic query and response interaction:

- Query: Generated by an NHS system or SCRa, and will be sent to CP-IS on the Spine and will contain the NHS number of the patient
- Response: Generated by CP-IS. Outlining any CP-IS information on CP-IS, details of the Local Authority that is responsible for the child. It will also contain a list of recent previous access events for the child on the Spine (limited to displaying the last 25 entries).

Queries to CP-IS can be generated via three routes:

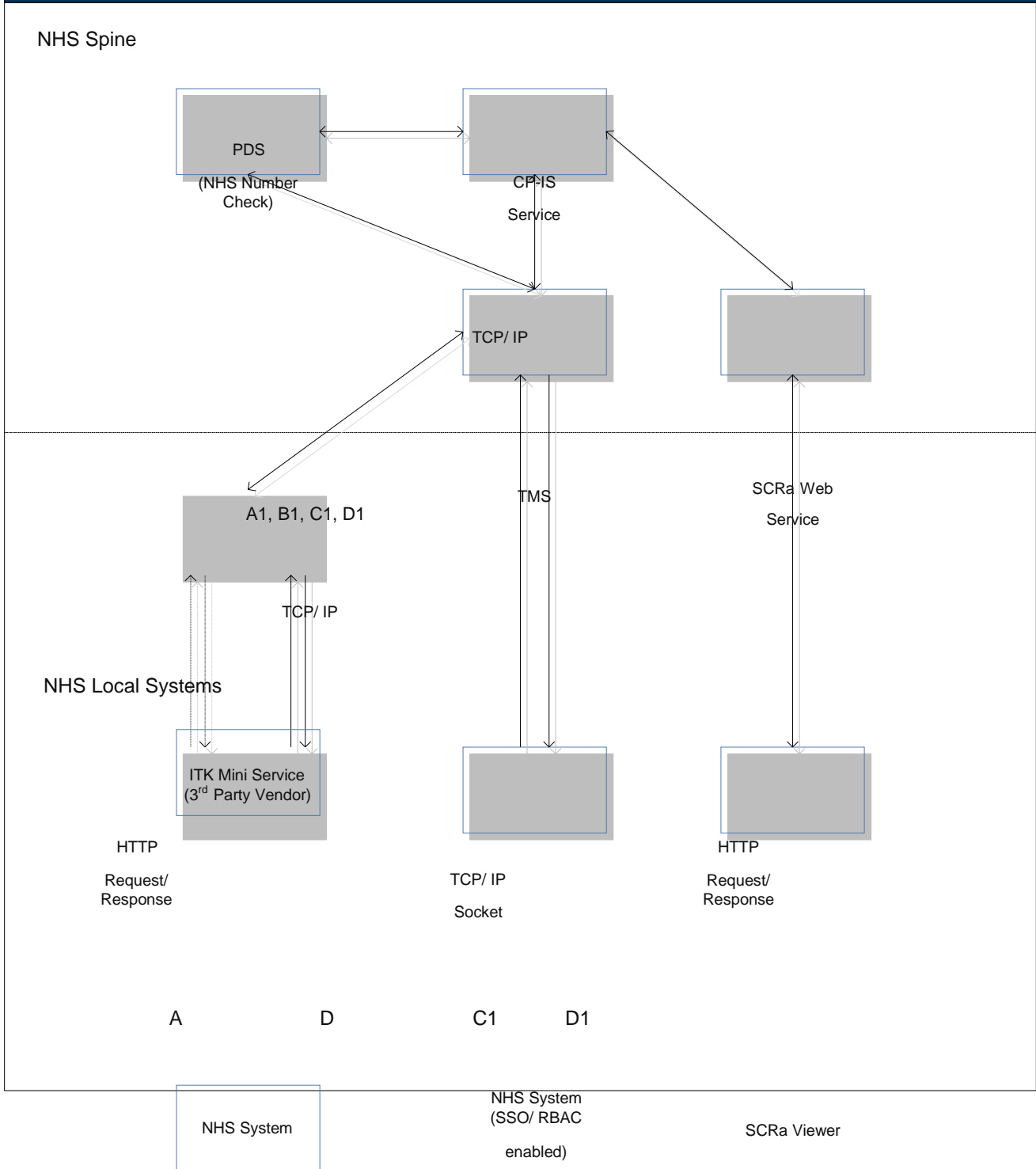
1. SCRa: The current version SCRa will be modified to check whether CP-IS information exists on CP-IS and will displays details of the Local Authority responsible for the child, together with access history, (limited to displaying the last 25 entries), on a separate tab in the application browser
2. Direct access to CP-IS: From endpoint systems that already have access to Spine services, are smartcard enabled and are capable of generating compliant ITK messages (e.g. Cerner Millennium, RIO). These systems will use the following messages that have already been defined (in candidate form) on (Technology Reference data Update Distribution website) TRUD:
  - QUPC\_MT000006GB01 Real time query message from endpoint system to CP-IS via TMS message service
  - REPC\_MT000007GB01 Real time response message from CP-IS to endpoint system via TMS message service
3. Access to CP-IS via the ITK simple message service: In this scenario the endpoint system will generate a mini toolkit compliant message which will be sent to an Third Party Mini service provider who will generate the full ITK message and interact with the CP-IS service using the two messages listed above.

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*(The message definitions for the mini toolkit implementation have not been defined at the time of writing this document, but expected Aug 2013)*

The diagram below outlines the different messaging interactions to support access to CP-IS.

### 1.1.1.1.1 CP-IS Health Service Message Interactions



NHS Number Validation

CP-IS Query/ Response

A: PDS Query (Mini Service envelope)

B: PDS Response (Mini Service envelope)

A1: PDS Query (TMS envelope) B1: PDS Query (TMS envelope)

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C: CPISQUPC\_MT000006GB01  
(Mini Service envelope) D:  
CPISQUPC\_MT000007GB01  
(Mini Service envelope)

C1:  
CPISQUPC\_MT000006GB01  
(TMS envelope) D1:  
CPISQUPC\_MT000007GB01  
(TMS envelope)

## 5 NHS Query Requirements

The requirements to support the query, or tracing, of CP-IS information within the CP-IS service must include details of who has submitted the query, when it was sent, and where the query was submitted from.

Prior to submission to the CP-IS service it will be a pre-requisite that the unscheduled care system has access to verified NHS numbers in order to successfully trace CP-IS information from the CP-IS service.

Req Id	Description	Type	Priority
CP-NHS002	<p>The NHS system must be able to send a CP-IS NHS Query message automatically and without any additional input by the NHS healthcare worker, to trace CP-IS information from within the CP-IS service, once a verified NHS number has been identified locally.</p> <p>Note: If access to CP-IS information is via a distributed system (see definition in Glossary &amp; Terminology), e.g. the 111 Service, then in addition to the above the system should be configurable so that an option exists to send the CP-IS NHS Query message upon first clinical contact with the patient; i.e. when the end user is a clinician</p>	Send to CP-IS	MUST
CP-NHS003	<p>The NHS system must include the following when submitting a CP-IS NHS Query message to CP-IS;</p> <ul style="list-style-type: none"> <li>- event date/ time of the query submission</li> <li>- the job role profile and name of the NHS healthcare worker</li> <li>- the NHS organisation code, and name, from where the query came from</li> </ul> <p>This information, as outlined within the CP-IS NHS Query message, will ensure that the access to service history information is available for capture and displayed to any subsequent NHS user, querying the CP-IS service and also the Local Authority who will receive a CP-IS Access to Service Notification message</p> <p>Note 1: In some circumstances it may be appropriate to substitute the Job role and name of the NHS healthcare worker with those of the Child Safeguarding Lead. This should be discussed with NHS Digital</p> <p>Note 2: If access to CP-IS information is via a distributed system (see definition in Glossary &amp; Terminology), e.g. the 111 Service and the end user is a Call Handler, then in addition to the above the information in the CP-IS NHS Query message must, where possible;</p> <ol style="list-style-type: none"> <li>a. Indicate the geographical/physical location of the patient</li> <li>b. Include the job role profile and name of the nominated Safeguarding Lead who is in the same geographical/physical location as the patient</li> </ol>	Send to CP-IS	MUST

CP-NHS004	<p>If an integrated solution to view CP-IS information has been decided upon locally and where the NHS system is NHS Spine compliant and using smartcards;</p> <p>The NHS system must use Spine RBAC or if not available local access controls to determine whether the user is allowed to access CP-IS.</p> <p>The activity code to view the CP-IS service will be B0107 View Child Protection Plan information.</p>	Send to CP-IS	MUST
CP-NHS005	<p>If access to CP-IS information is via the Summary Care Record application is required,</p> <p>the NHS healthcare worker must have the activity code B0107 View Child Protection Plan information assigned to their smartcard, in conjunction with the existing activity codes to view SCRa, B0264 Access CSA</p>	Send to CP-IS	MUST
CP-NHS006	<p>If an integrated solution to view CP-IS information has been decided upon locally, and the NHS system:</p> <ol style="list-style-type: none"> <li>1. will use Spine mini services to access CP-IS, and</li> <li>2. does not support Spine RBAC using smartcards</li> </ol> <p>Then the NHS system must use local role based access controls to manage user access to the CP-IS service.</p>	Send to CP-IS	MUST

## 5.3 NHS Number

Req Id	Description	Type	Priority
CP-NHS001	The NHS system must use a verified NHS number as the unique identifier to request CP-IS information from CP-IS.  Note: PDS must be used to verify NHS Numbers	Send to CP-IS	MUST

The NHS number will be used as the main identifier for each child where CP-IS information is to be traced from the service. It will be necessary for NHS systems to provide a verified NHS number when tracing CP-IS information.

## 5.4 Dataset

The CP-IS dataset will be the core information retrieved by the NHS system. The following table outlines the full CP-IS dataset as per the CP-IS NHS Query Response message. This information will be displayed to the end users, and will be the NHS system supplier's to define to their customer's how this information will be displayed locally;

Data Item	Format
NHS Number	3 3 4 format (Numerical )
Local Authority Child Identity Number	Text
Given Name	Text
Family Name	Text
Date of Birth	DD/MM/YYYY
Source Organisation Name	Text
Source Organisation Code	Alpha Numeric
Source Organisation Telephone No.	Numerical
CPP Start Date	DD/MM/YYYY
CPP End Date	DD/MM/YYYY
CPP Delete Date	DD/MM/YYYY
Looked After Child Start Date	DD/MM/YYYY
Looked After Child End Date	DD/MM/YYYY
Looked After Child Delete Date	DD/MM/YYYY
Unborn Child CPP Start Date	DD/MM/YYYY
Unborn Child CPP End Date	DD/MM/YYYY
Unborn Child CPP Delete Date	DD/MM/YYYY

The exceptions to what will be sent to the NHS systems (from the CP-IS dataset) within the CP-IS NHS Query Response message are outlined below;

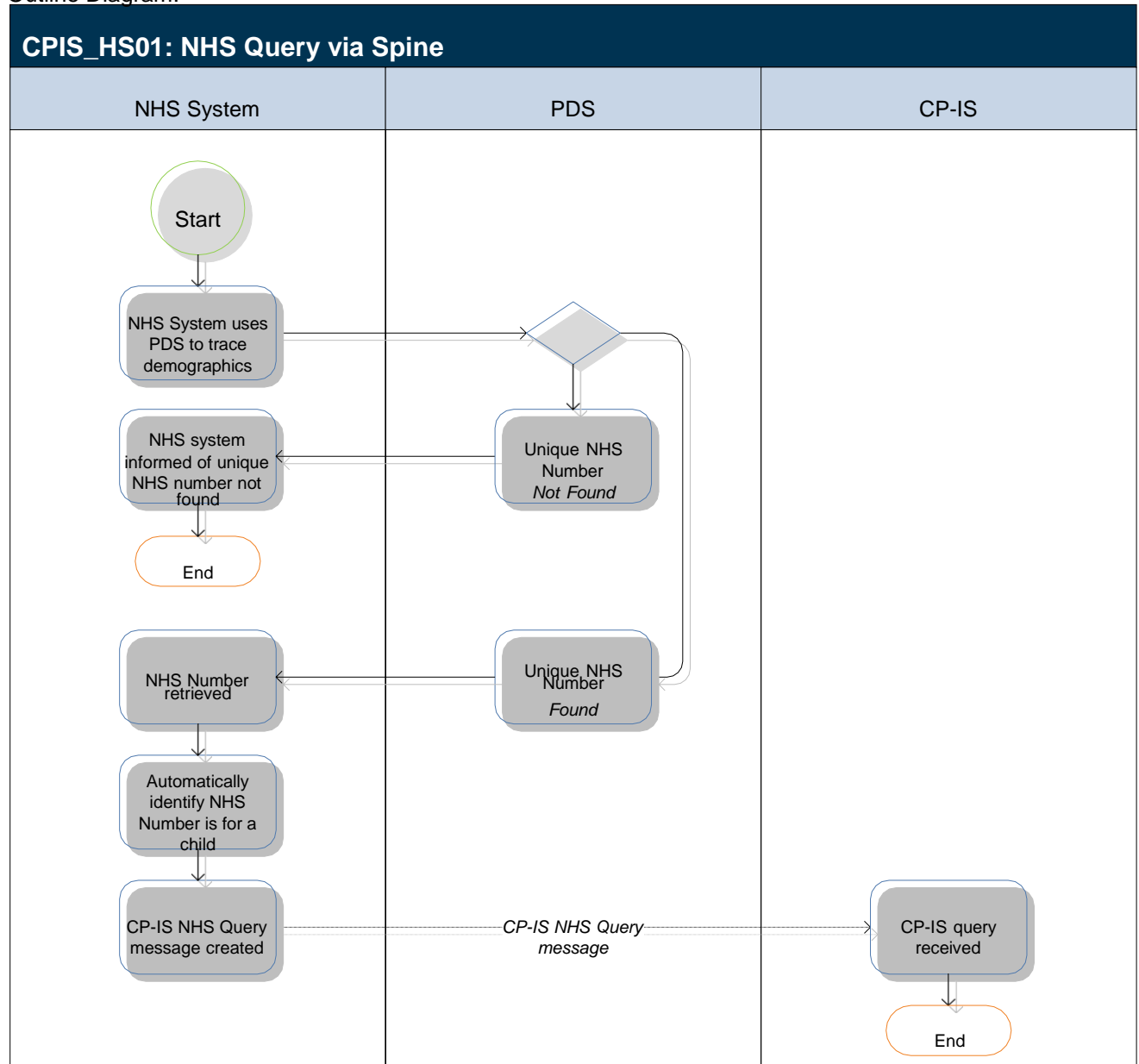
- Local Authority Child Identity Number (*this will only be seen by the LA in messages sent by CP-IS to the children's social care system, if this had been initially provided*)
- Given Name (*will only be used to validate the child's NHS number against PDS*)
- Family Name (*will only be used to validate the child's NHS number against PDS*)

- 
- Date of Birth (*will only be used to validate the child's NHS number against PDS*)
  - Delete Date (*will only be used by the CP-IS service to completely remove the CP-IS data item from retrieval*)

## 5.5 Use Case HS01: NHS Query via Spine

Ref:	CPIS_HS01
Name:	NHS Query via Spine
Description:	This use case outlines the overview of NHS system's submission to the CP-IS service (using PDS to identify the NHS Number).

Outline Diagram:



Actors:	<ul style="list-style-type: none"> <li>• NHS System</li> <li>• PDS</li> <li>• CP-IS Service</li> </ul>
Pre-conditions:	<ul style="list-style-type: none"> <li>• NHS system is spine enabled and can trace PDS to verify patient's NHS number</li> <li>• Unique NHS number is identified via the demographics entered</li> <li>• NHS system users are using smartcards to access PDS</li> </ul>
Post-conditions:	<ul style="list-style-type: none"> <li>• NHS system will be displayed with all CP-IS information held within CP-IS</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. NHS system uses demographic information to trace patient as part of a routine demographic search of the patient's details</li> </ol>

	<p>1.1 PDS returns trace results including verified NHS number where applicable</p> <p>2. NHS system will need to identify patient is eligible based on the date of birth and gender provided</p> <p>2.1 Where the patient is eligible, the verified NHS number is used to populate the CP-IS NHS Query message and submitted to the CP-IS service automatically.</p>
Associated Use Cases	<ul style="list-style-type: none"> <li>• CPIS_HS03: NHS Query Response via PDS</li> </ul>

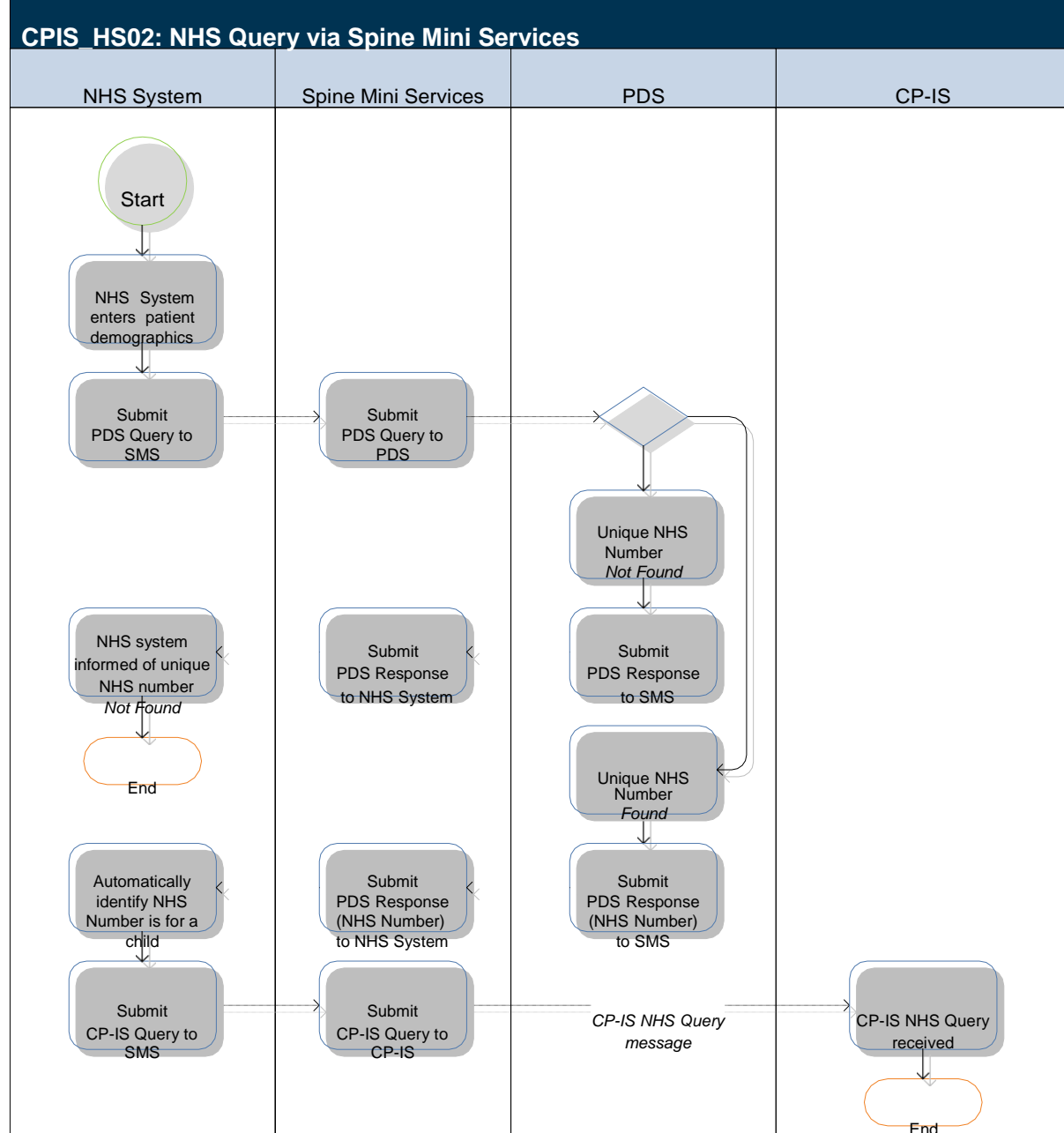
The following use case will be used by those NHS systems with access to PDS, (where the capability exists to update PDS or to trace PDS).

As a requirement to support the CP-IS service, a verified NHS number must be used to undertake a trace against the CP-IS.

## 5.6 Use Case HS02: NHS Query via Spine Mini Services

Ref:	CPIS_HS02
Name:	NHS Query via SMS
Description:	This use case outlines the overview of NHS system's submission to the CP-IS service (using Spine Mini Services to identify the NHS Number).

Outline Diagram:



Actors:	<ul style="list-style-type: none"> <li>NHS System</li> <li>Spine Mini Services</li> <li>Patient Demographic Service</li> <li>CP-IS Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>NHS system uses Spine Mini Services to obtain an NHS number via PDS</li> <li>Unique NHS number is identified via the demographics entered</li> <li>NHS system users have access to a spine enabled Spine Mini Service</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>NHS system will be displayed with all CP-IS information held within CP-IS</li> </ul>

Basic Flows:	<ol style="list-style-type: none"> <li>1. NHS system uses demographic information to trace patient as part of a routine demographic search of the patient's details <ol style="list-style-type: none"> <li>1.1 Spine mini service is used to submit an initial trace to PDS to identify NHS number</li> <li>1.2 PDS returns a PDS Query Response to the SMS including the verified NHS number</li> <li>1.3 SMS returns the PDS Query Response to the NHS system</li> </ol> </li> <li>2. NHS system uses the NHS number received to identify that the patient is a child. <ol style="list-style-type: none"> <li>2.1 Where the patient is not a child the use case ends and the NHS number is displayed to the end user</li> <li>2.2 Where the patient is a child a CP-IS NHS Query message is submitted to SMS</li> <li>2.3 SMS submits the CP-IS NHS Query to the CP-IS service</li> </ol> </li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_HS04: NHS Query Response via SMS</li> </ul>

This use case will be used by those NHS systems using a 3<sup>rd</sup> party Spine mini service provider to query the CP-IS service, on the NHS system's behalf.

## 5.7 CP-IS Query Message Description

Outlined below is the message description of the CP-IS NHS Query message in relation to querying the CP-IS information held within CP-IS service.

CP-IS NHS Query	
Sent From	NHS Systems
Sent To	CP-IS
Content	<ul style="list-style-type: none"> <li>• Details of the NHS number</li> <li>• Name of NHS healthcare worker</li> <li>• NHS organisation where message was sent from</li> <li>• Date and Time</li> </ul>
Frequency	Following an NHS number trace using the patient demographics and that it has been identified that the patient is eligible, the CP-IS NHS Query must be submitted to the CP-IS service immediately
Behaviour	<p>To be used to query the CP-IS service to identify CP-IS information within the CP-IS service.</p> <p>This will be dependent on;</p> <ul style="list-style-type: none"> <li>• An NHS number being verified for a patient from within an NHS unscheduled care setting, identifying an eligible patient</li> </ul>
Expected Response	CP-IS NHS Query Response message

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## 5.8 CP-IS Query Message Performance

Outlined in the table below are the expected performance levels for the querying and processing of the CP-IS NHS Query message. The timings outlined below indicate the maximum timescales that the processing of messages should take.

CP-IS NHS Query			
Step	Description	Responsibility	Performance
23	Send <i>CP-IS NHS Query message</i>	NHS System	Immediately submitted to CP-IS upon identification of; <ul style="list-style-type: none"><li>• Verified NHS number</li><li>• Verified NHS number is for an eligible patient</li></ul>
24	Transmit via TMS	NHS Spine	To match existing spine service transmission performance levels
25	Transmit via Spine Mini Service Provider	Spine Mini Service Provider	To match existing spine service transmission levels for PDS Query/ Response messages

## 6 NHS Query Response Requirements

The query response requirements to support the retrieval of the CP-IS information from CP-IS service include details of who is submitting the request, when it is sent, and where the query is submitted from.

Prior to implementation it will be a pre-requisite that the unscheduled care system has access to verified NHS numbers in order to successfully trace CP-IS information from the CP-IS service.

Req Id	Description	Type	Priority
CP-NHS010	<p>The NHS system must be able to receive the information contained within a CP-IS NHS Query Response message either directly or via a mini service. How the CP-IS information will be displayed to the end user will need to be locally determined, but this must include the following items from the CP-IS dataset;</p> <ul style="list-style-type: none"> <li>- Start Dates</li> <li>- End dates</li> <li>- Organisation Name</li> <li>- Organisation Office Hours Telephone Number</li> <li>- Organisation Emergency Duty Telephone Number</li> <li>- NHS Number</li> </ul> <p>with only the following exceptions from the dataset, not required for inclusion;</p> <ul style="list-style-type: none"> <li>- Local Authority Child Identifier number (only used in return responses for the children's social care system)</li> <li>- Delete Dates (although they can be assigned to a CP-IS record, the actual delete information will not be displayed to the end user.</li> <li>- Child's Given Name and Family Name (these are only used by the children's social care system and CP-IS to verify the child's NHS Number, it will not be stored for retrieval or display               <ul style="list-style-type: none"> <li>- Child's Date of Birth (this will only be used by the children's social care system and CP-IS to verify the child's NHS Number, it will not be stored for retrieval or display</li> </ul> </li> </ul>	CP-IS Display	MUST
CP-NHS012	The presentation of any date & times associated with CP-IS information must be in a standardised format, e.g. DD/MM/YYYY and HH/MM/SS.	CP-IS Display	MUST
CP-NHS013	The NHS system must be able to display the CP-IS dataset items within the correct patient's local record ensuring that there can be no confusion as to which patient the CP-IS information is associated.	CP-IS Display	MUST
CP-NHS014	<p>The NHS system should only display positive traces of CP-IS to the NHS healthcare worker, displaying the CP-IS information. Where there is no CP-IS information this should not be displayed to the NHS healthcare worker.</p> <p>If the CP-IS query fails, the user should be informed via a user-friendly error message. The system should log the details of the error e.g. date/time, error type, application, user, message details (query &amp; response) if there is one.</p>	CP-IS Display	SHOULD

<p>CP-NHS015</p>	<p>The NHS system must ensure that on receipt of a CP-IS NHS Query Response message, the end user is displayed with the human readable form of the following;</p> <ul style="list-style-type: none"> <li>- the Local Authority that initially provided the CP-IS information to CP-IS;</li> </ul> <p>and as part of the access event information;</p> <ul style="list-style-type: none"> <li>- the date &amp; time that the access took place (where/ if this is applicable)</li> <li>- the NHS organisation where CP-IS had been previously been accessed from (where/ if this is applicable)</li> <li>- the name of the NHS healthcare worker who has previously accessed CP-IS (where/ if this is applicable)</li> <li>- the role of the NHS healthcare worker who has previously accessed CP-IS (where/ if this is applicable)</li> </ul>	<p>CP-IS Display</p>	<p>MUST</p>
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CP-NHS016	- An NHS system may store the status of CP-IS information locally for longer term retrieval including the access to service information, but it is strongly recommended however, that the date and time of when the CP-IS information was traced should also be included.	CP-IS Display	MAY

## 5.9 ODS Codes

Req Id	Description	Type	Priority
CP-NHS009	The NHS system must display all names of NHS healthcare workers and NHS organisations in human readable text.	CP-IS Display	MUST

Although Local Authorities will be submitting Organisation Data Service codes, which will be used by the CP-IS service, the NHS systems must display to the NHS user, in a human readable format of the following;

- The name of the Local Authority who had initially submitted CP-IS information to CP-IS
- The name of the NHS Healthcare worker(s) who had previously accessed the CP-IS service
- The name of the NHS organisation where(s) from where the CP-IS service may have been viewed from previously

## 5.10 Unborn Child Protection Plans

In addition to the CP-IS service supporting children's CP-IS information, it will also be possible to support the sharing of Unborn Child Protection Plans too. Where children's social care teams create child protection plans for unborn babies, in order to send this information to the CP-IS service, the mother's NHS number and demographics will be required in order to support the sharing of the Unborn CPP information.

The CP-IS service will support the receipt, storage and display of this information in the following circumstances involving maternity service and unscheduled care settings;

- An adult woman is pregnant and there is an Unborn CPP for the expected baby

- A child is pregnant and there is an Unborn CPP for the expected baby
- A child is pregnant and there is a CPP for her, and an Unborn CPP for the expected baby
- A child has a LAC status, is pregnant and there is an Unborn CPP Plan for the expected baby

The children’s social care system must provide details of the expected due date for the baby in order for CP-IS to hold this information. This due date (captured as an End Date for the Unborn Child Protection Plan information will be used as the trigger to remove the CPP information from the mother’s record.

As part of the wider maternity services process, once the baby has been born the maternity services, upon identification of CPP information for an unborn baby, will ensure that the new NHS number for the baby is provided to the relevant Local Authority. Upon receipt of the new NHS number which will typically be within 48hrs from birth, there will need to be a new submission to CP-IS using this new NHS number.

## 5.11 Access to Service Information

Included within the CP-IS NHS Query response will be the details of the access history, displayed to the NHS healthcare worker, following a query of the CP-IS service. This will outline the previous access history to the service by previous NHS healthcare workers.

In addition to the NHS healthcare worker being provided with the access event information, there will also be a daily feed provided to each relevant Local Authority outlining any access events, and therefore, every time an NHS healthcare worker accesses the CP-IS information, CP-IS service will return details to the Local Authority within 24hrs.

Req Id	Description	Type	Priority
CP-NHS011	The NHS system must display the 25 most recent CP-IS access to service notification events as contained in the CP-IS response message	CP-IS Display	MUST

Whenever access to the CP-IS service has been undertaken, the following information will be included, and this must be displayed to the NHS healthcare worker;

- Which child’s record within the CP-IS service was accessed
- Which NHS healthcare worker accessed the child’s record (in human readable format)
- When the CP-IS service was accessed
- Where the CP-IS service was accessed from (in human readable

format) To clarify, ‘Access to the Service’ will specifically be when the following occurs;

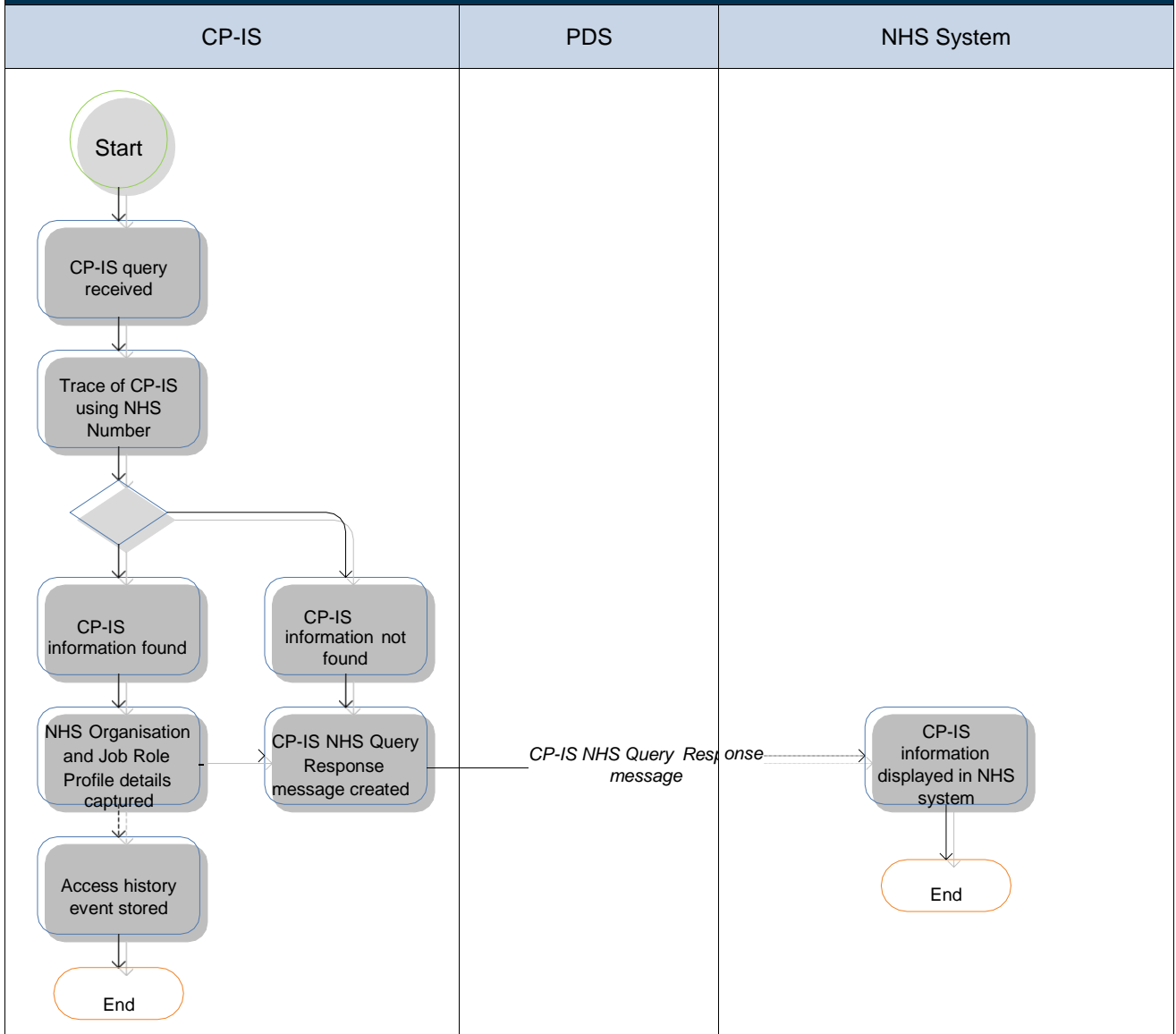
- When the Child Care Alert tab within SCRa had been accessed;
  - an NHS user opens Summary Care Record application
  - a demographic trace occurs

- the NHS user has the relevant activity code assigned to their smartcard
- the Child Care Alert tab is visible to the NHS user (indicating CP-IS information is available)
- upon clicking the Child Care Alert tab (Start and End Date information will be displayed, including details of the Local Authority), and this 'click' will be the trigger to capture the access history by CP-IS
- When an NHS Query Response message has been returned to a previous NHS User;
  - a trace against CP-IS occurs
  - CP-IS information is successfully found in CP-IS
  - the access event will be time stamped at the point where CP-IS information is successfully found by CP-IS
  - an NHS Query Response is returned to the NHS system including the CP-IS info
  - If CP-IS information is not found, *no access event history* will be recorded

## 5.12 Use Case HS03: NHS Query Response via Spine

Ref:	CPIS_HS03
Name:	NHS Query Response via Spine
Description:	This use case outlines the overview of the response from CP-IS following the submission of an initial query where PDS has been used to identify the NHS number
Outline Diagram:	

## CPIS\_HS03: NHS Query Response via Spine



Actors:	<ul style="list-style-type: none"> <li>• NHS System</li> <li>• PDS</li> <li>• CP-IS Service</li> </ul>
Pre-conditions:	<ul style="list-style-type: none"> <li>• NHS system is spine enabled and can trace PDS to verify patient's NHS number</li> <li>• Unique NHS number is identified via the demographics entered</li> <li>• NHS system users are using smartcards to access PDS</li> </ul>
Post-conditions:	<ul style="list-style-type: none"> <li>• NHS system will be displayed with all CP-IS information held within CP-IS</li> <li>• Access event history will be recorded by CP-IS</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. CP-IS service undertakes a trace for CP-IS information using the verified NHS number             <ol style="list-style-type: none"> <li>1.1 Where CP-IS information exists, a CP-IS Query Response message is returned back to the NHS system including the CP-IS dataset</li> <li>1.2 Where CP-IS is found, the following information will be captured by CP-IS;                 <ul style="list-style-type: none"> <li>- Job Role Profile of NHS Healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> </ol> </li> </ol>

	<p>1.3 Where CP-IS information does not exist, a CP-IS Query Response message is returned back to the NHS system outlining that no CP-IS information was found</p> <p>2. The NHS system retrieves the CP-IS information and displays this to the NHS healthcare worker</p>
Associated Use Cases	<ul style="list-style-type: none"> <li>• CPIS_HS01: NHS Query via PDS</li> <li>• CPIS_SC03: CP-IS Access Notification</li> </ul> <p><i>(Reference subject to change during document development phase)</i></p>

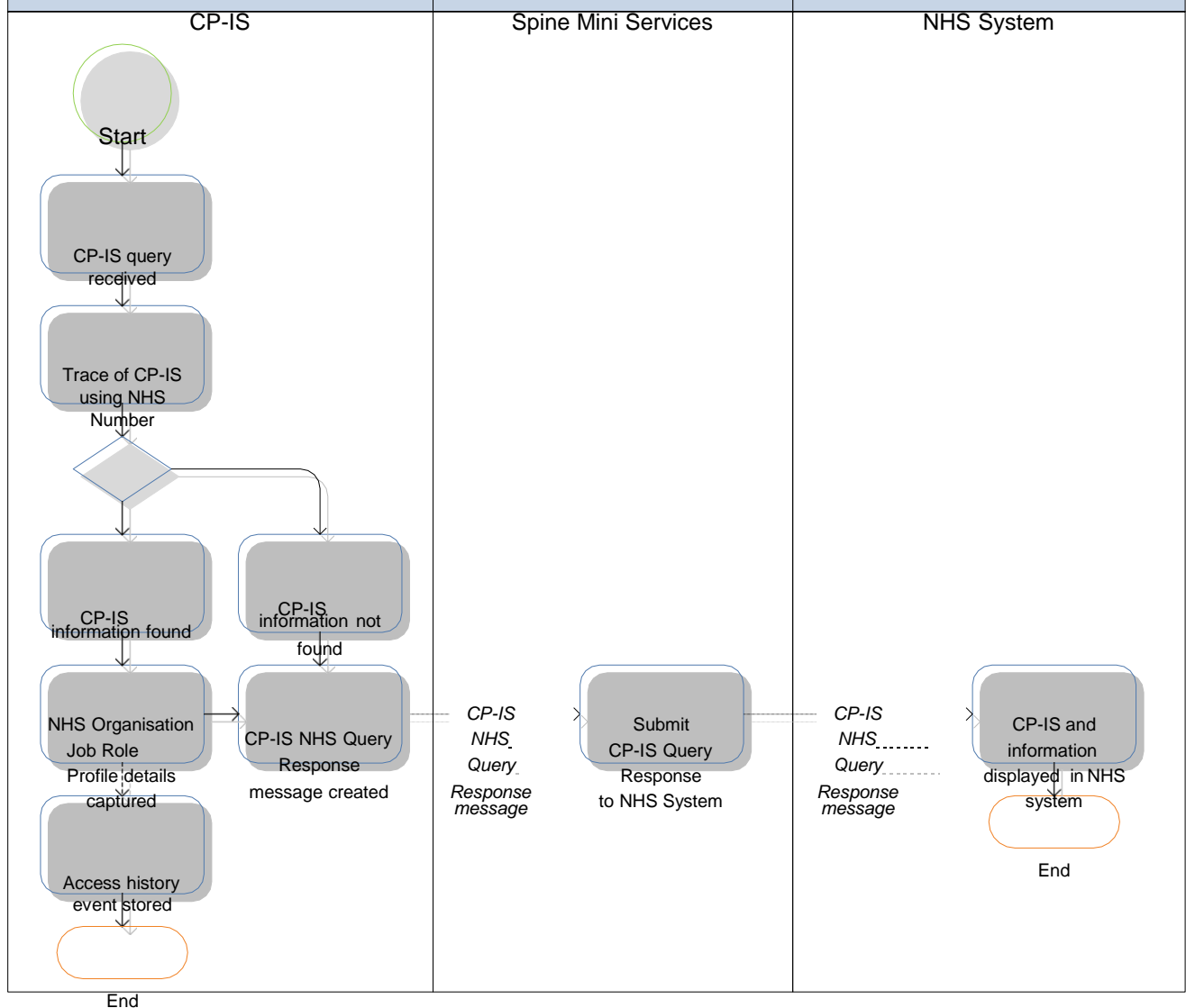
This use case will be used by those NHS systems which are NHS spine compliant.

## 5.13 Use Case HS04: NHS Query Response via SMS

Ref:	CPIS_HS04
Name:	NHS Query Response via SMS
Description:	This use case outlines the overview of the response from CP-IS following the submission of an initial query where Spine Mini Services has been used to trace the NHS number and submit the initial query of the CP-IS service.

### Outline Diagram:

#### CPIS\_HS04: NHS Query Response via Spine Mini Services



Actors:	<ul style="list-style-type: none"> <li>NHS System</li> <li>Spine Mini Services</li> <li>Patient Demographic Service</li> <li>CP-IS Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>NHS system uses Spine Mini Services to obtain an NHS number via PDS</li> <li>Unique NHS number is identified via the demographics entered</li> <li>NHS system users have access to a spine enabled Spine Mini Service</li> </ul>

Post conditions:	<ul style="list-style-type: none"> <li>NHS system will be displayed with all CP-IS information held within CP-IS</li> <li>Access event history will be recorded by CP-IS</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>CP-IS service undertakes a trace for CP-IS information using the verified NHS number <ol style="list-style-type: none"> <li>Where CP-IS information exists, a CP-IS Query Response message is returned back to Spine Mini Service which is routed back to the NHS system</li> <li>Where CP-IS is found, the following information will be captured by CP-IS <ul style="list-style-type: none"> <li>Job Role Profile of NHS Healthcare worker</li> <li>ODS Code from where the NHS CP-IS Query message originated</li> <li>Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> <li>Where CP-IS information does not exist, a CP-IS Query Response message is returned back to the NHS system outlining that no CP-IS information was found</li> </ol> </li> <li>The NHS system retrieves the CP-IS information and displays this to the NHS healthcare worker</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>CPIS_HS02: NHS Query via SMS</li> <li>CPIS_SC03: CP-IS Access Notification</li> </ul> <p><i>(Reference subject to change during document development phase)</i></p>

This use case will be used by those NHS systems using a 3<sup>rd</sup> party Spine mini service provider to retrieve CP-IS information from the CP-IS service, on the NHS system's behalf.

## 5.14 CP-IS Query Response Message Description

Outlined below is the message description of the CP-IS NHS Query Response message in relation to responding to the CP-IS Query message, confirming what, if any, CP-IS information exists for a child, and also any of the associated access history information, defining who, from where and when the CP-IS service had been accessed

CP-IS NHS Query Response	
Sent From	CP-IS
Sent To	NHS Systems
Content	<ul style="list-style-type: none"> <li>Details of the NHS number</li> <li>CP-IS information response following a trace of the CP-IS service</li> <li>Name of NHS healthcare worker</li> <li>NHS organisation where message was sent from</li> <li>Date and Time</li> </ul>
Frequency	It will be expected that upon receipt of a CP-IS NHS Query message the CP-IS service will adopt existing performance levels to process the request, similar to that of existing PDS Query Responses levels within existing NHS Spine infrastructure.
Behaviour	<p>Upon receipt of a CP-IS NHS Query message, the following will be undertaken;</p> <ul style="list-style-type: none"> <li>a trace of the CP-IS information held within CP-IS service, using the NHS number as the unique identifier</li> <li>population of the access event history, including which healthcare worker viewed the information, from which NHS organisation and when this information was accessed</li> <li>returning the created message back to the NHS system</li> </ul>
Expected Response	N/a

## 5.15 CP-IS Query Response Message Performance

Outlined in the table below are the expected performance levels for the processing and submission of the CP-IS NHS Query Response message back to the relevant NHS system. The timings outlined below indicate the maximum timescales that the processing of messages should take.

CP-IS NHS Query Response			
Step	Description	Responsibility	Performance
26	Trace CP-IS	CP-IS	To match existing spine service transmission levels for PDS Query/ Response messages
27	Create CP-IS NHS Query Response message	CP-IS	To match existing NHS Spine service transmission levels for PDS Query/ Response messages
28	Transmit via TMS	NHS Spine	To match existing spine service transmission performance levels
29	Transmit via Spine Mini Service Provider	Spine Mini Service Provider	To match existing spine service transmission levels for PDS Query/ Response messages

## 5.16 Displaying CP-IS Information

Req Id	Description	Type	Priority
CP-NHS020	<p>When a child of any gender aged up to 18 years &amp; 365 days or an adult of any gender, except male, aged between 19 years and 56 years &amp; 365 days presents within an unscheduled care setting, the NHS system must display the demographics and NHS number to the end user following a CP-IS trace, presenting either;</p> <ul style="list-style-type: none"> <li>- the demographic information (and NHS number), with the CP-IS information</li> <li>- the demographic information (and NHS number) only.</li> </ul> <p>Following a trace of CP-IS if no CP-IS information was found</p>	CP-IS Display	MUST

When a demographic trace is performed either via Spine Mini Services or directly with PDS, the NHS system, should undertake a trace of CP-IS prior to displaying the NHS number, resulting in the display of both information items together (if there is CP-IS information to display).

As the NHS system will have to identify from an NHS number that a patient is eligible (*as per requirement CP-NHS008*) prior to submission of a CP-IS query;

- where the patient is not an eligible, the NHS system would not undertake a CP-IS query anyway, and simply perform a typical demographic trace, returning the NHS number for the patient
- where the patient is eligible, a CP-IS query would be undertaken, but if the patient had no CP-IS information, then upon return of the CP-IS Query Response message, the NHS number would then be displayed to the NHS healthcare worker, indicating to the user that all traces had concluded, with no CP-IS information found

- 
- where the patient is eligible, a CP-IS query would be undertaken, and where the patient did have CP-IS information, then upon return of the CP-IS Query Response message, the NHS number would then be displayed to the NHS healthcare worker in addition to the CP-IS information at the same time

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## 5.17 Accessing SCRa

For those organisations using the NHS Summary Care Record application to view the CP-IS information, current SCRa requirements to access this service must be met.

Within SCRa, existing trace mechanisms including advanced traces will still be possible as is currently, and upon identification of a unique NHS number that the new Child Care Alert tab will be associated.

It's acknowledged that the use of NHS SCRa as a means to access the CP-IS information may not be the best fit from a business process perspective, due to the SCRa requirements to log in to a separate system and use smartcard models to access the CP-IS information. However, as access to SCRa is currently available to NHS healthcare workers, this mechanism will immediately display the CP-IS information, via a new Child Care Alert tab within SCRa, where the relevant Activity Code has been applied to users of SCRa.

## 5.18 SCRa Display

To provide clarity on exactly what will be displayed within SCRa on accessing the CP-IS information, the following document outlines all the relevant screenshots, displaying the various screens from within SCRa;

SCRa Child Care Alert Tab Screenshots v0.1 (*unavailable at time of writing*)

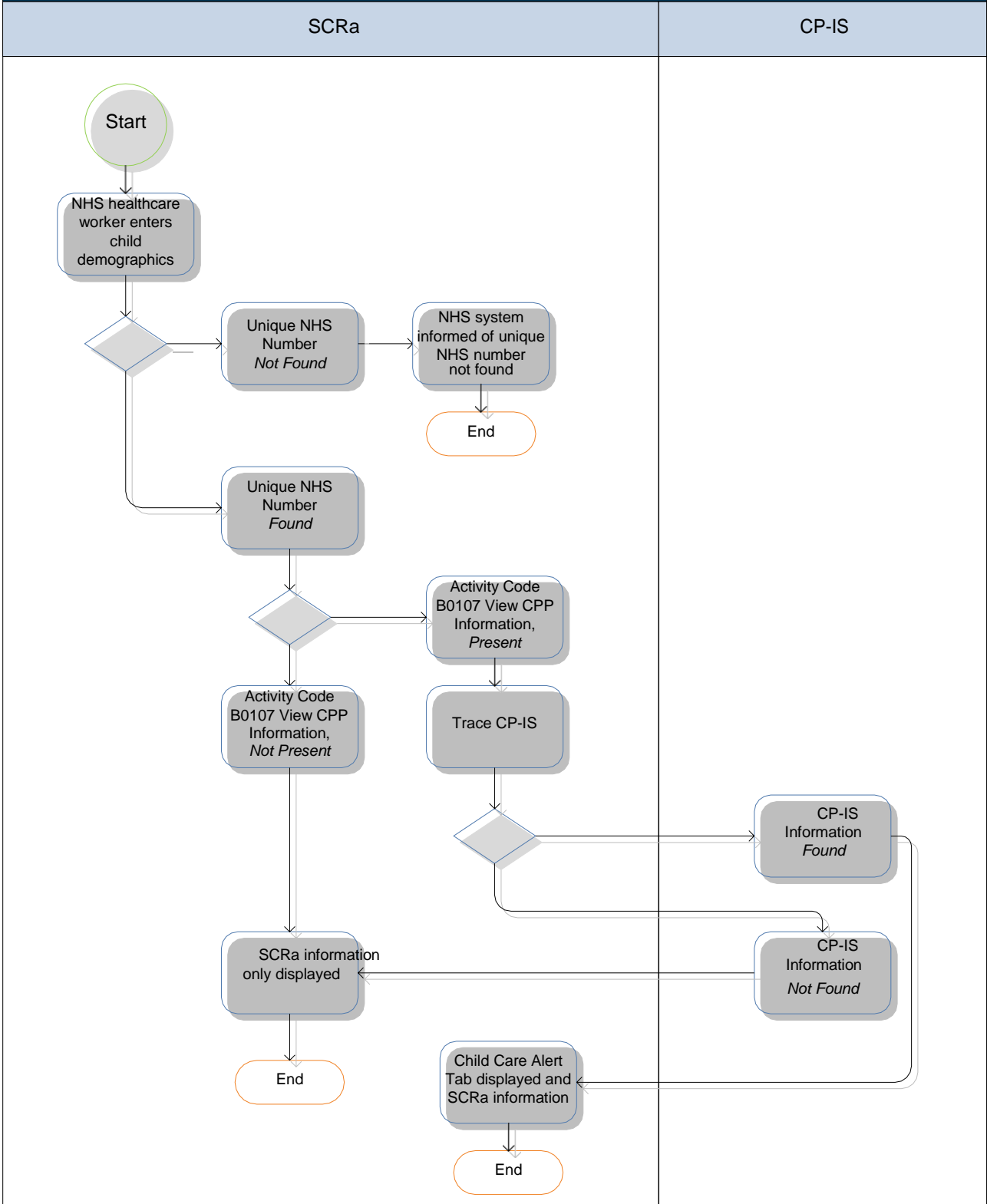
The CP-IS information within the Summary Care Record application will reside at the demographic level for the patient and not at the clinical level. This will mean that regardless of whether an NHS healthcare worker has the authority to view any clinical information, they will still be able to see CP-IS information.

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## 5.19 Use Case HS05: SCRa Access

Ref:	CPIS_HS05
Name:	Child Care Alert Create and Access
Description:	This use case outlines the creation of the Child Care Alert tab within Summary Care Record application and how this information is displayed to the NHS user.
Outline Diagram:	

# CPIS\_HS05: NHS SCRa Child Care Alert Create & Access



Actors:

- NHS Healthcare worker
- Summary Care Record application
- CP-IS Service

Preconditions:

- NHS Healthcare worker has access to Summary Care Record application
- NHS Healthcare worker has the Activity Code B0107 View Child Protection Plan assigned to their smartcard.
- Unique NHS number is identified via the demographics entered

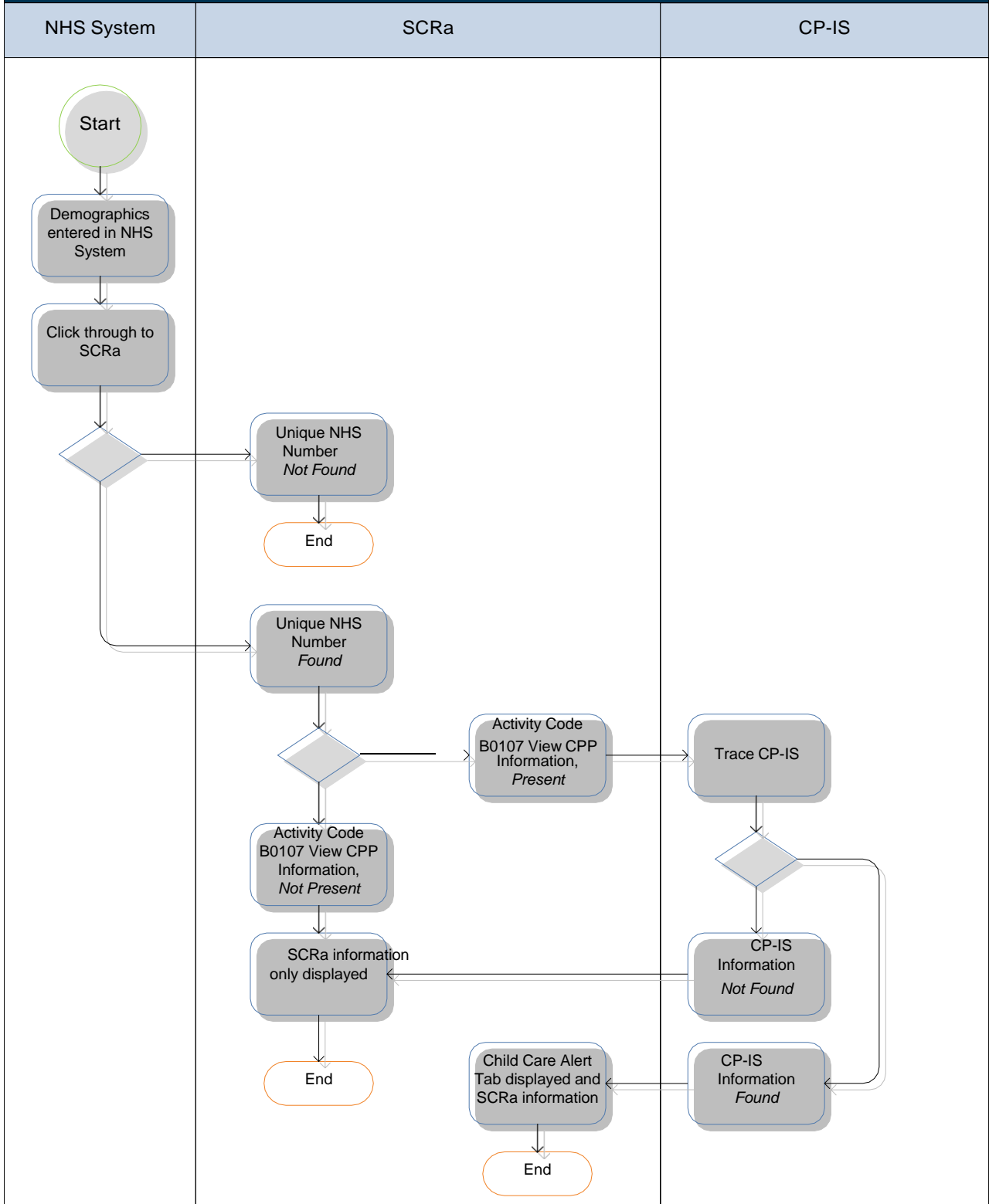
Post conditions:	<ul style="list-style-type: none"> <li>• The NHS healthcare worker will be displayed with the CP-IS information from within the SCRa.</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. The NHS healthcare worker, using their smartcard accesses SCRa</li> <li>2. The patient's demographic information is entered into SCRa</li> <li>3. Unique NHS number for the patient is identified and; <ol style="list-style-type: none"> <li>3.1 If the NHS healthcare worker has the activity code B0107 assigned to their card, then; <ol style="list-style-type: none"> <li>3.1.1 If CP-IS information exists, CP-IS will automatically display the Child Care Alert CP-IS information</li> <li>3.1.2 If CP-IS information does not exist, CP-IS will automatically display the existing SCRa demographic information</li> </ol> </li> <li>3.2 If the NHS healthcare worker does not have the activity code B0107 assigned to their card, then regardless of their being CP-IS information or not, the NHS healthcare worker will not be able to see it and they will just see the existing SCRa display with no Child Care tab present</li> </ol> </li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification (<i>Reference subject to change during document development phase</i>)</li> </ul>

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## 5.20 Use Case HS06: SCRa 1-Click Access

Ref:	CPIS_HS06
Name:	Child Care Alert Create and Access via 1-Click
Description:	This use case outlines the creation of the Child Care Alert tab within Summary Care Record application accessed from local NHS systems via one click functionality.
Outline Diagram:	

# CPIS\_HS06: NHS SCRa One Click Access



**Actors:**

- › NHS Healthcare worker
- › Summary Care Record application
- › CP-IS Service

**Preconditions:**

- › NHS Healthcare worker has access to Summary Care Record application
- › NHS system supports existing one click functionality
- › NHS Healthcare worker has the Activity Code B0107 View Child Protection Plan assigned to their smartcard.

	<ul style="list-style-type: none"> <li>• Unique NHS number is identified via the demographics entered</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The NHS healthcare worker will be displayed with the CP-IS information from within the SCRa.</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. Patient demographic information is entered into local system</li> <li>2. The NHS healthcare worker clicks through to SCRa to access the demographic information and NHS number.</li> <li>3. The patient's demographic is automatically entered into SCRa</li> <li>4. A unique NHS number for the patient is identified and SCRa <ol style="list-style-type: none"> <li>4.3 If the NHS healthcare worker has the activity code B0107 assigned to their card, then; <ol style="list-style-type: none"> <li>4.3.1 If CP-IS information exists, CP-IS will automatically display the Child Care Alert CP-IS information</li> <li>4.3.2 If CP-IS information does not exist, CP-IS will automatically display the existing SCRa demographic information</li> </ol> </li> <li>4.4 If the NHS healthcare worker does not have the activity code B0107 assigned to their card, then regardless of their being CP-IS information or not, the NHS healthcare worker will not be able to see it and they will just see the existing SCRa display with no Child Care tab present</li> </ol> </li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification (Reference subject to change during document development phase)</li> </ul>

Further to the use of the Summary Care Record application there is the intention to develop the capability to view the CP-IS information, via SCRa 1-Click functionality.

# 7 CP-IS Common Requirements

## 5.21 End Date and Delete Dates

Any CP-IS information will be available to view 365 days after the End Date for CP-IS information. After this time, the CP-IS information item will be automatically and logically deleted by CP-IS, as per the rules highlighted in the table below, and no longer available to be retrieved either via the CP-IS NHS Query Response message, or displayed via SCRa.

Further to the above, following the 365 days after the End Date provided, no access event information will be captured once it has been deleted from the CP-IS service.

The exceptions to the general rule above with regards to how CP-IS will behave around End Dated CP-IS information include;

- The provision of Delete Dates which can remove the CP-IS information immediately and removes the capability for CP-IS information from being available for retrieval or displaying via SCRa.
- The provision of Unborn CPP End Date (which will be the expected Due Date of the baby) which will remove the CPP information from CP-IS and make it unavailable for retrieval after End Date+28 days.

The inclusion of the Delete Date is primarily to be used for data quality purposes when CP-IS information has been incorrectly submitted to the CP-IS service, and there is a subsequent need to delete this information from the CP-IS service record immediately.

In the circumstances where a child's record has been incorrectly uploaded to the CP-IS service, each CPP/ LAC item must receive an associated Delete Date where applicable. E.g. if the child has CPP *and* LAC information within CP-IS and both items require deleting, then an End Date will be required for both the CPP item and the LAC item.

On a child's 18<sup>th</sup> birthday the CP-IS information will automatically be End Dated by CP-IS. However, the CP-IS information will still be available for retrieval by NHS systems up to the child being 18 and 365 days old. During this time any access to the service event information will still be sent to the children's social care system.

The following table outlines the End Date and Delete Date behaviour undertaken by the CP-IS service based on the types of Dates received for each CP-IS information item;

CPP/ LAC	Date Types Submitted	CP-IS Service Behaviour
Child Protection Plan	Start	<ul style="list-style-type: none"> <li>- CPP information is retrievable from CP-IS until an End Date is received.</li> <li>- Access history stored and shared until End Date is received.</li> </ul>
	Start + End	<ul style="list-style-type: none"> <li>- CPP information is retrievable from CP-IS until the End Date +365 days.</li> <li>- CPP information is deleted from CP-IS after the End Date +365 days.</li> <li>- Access history is recorded and shared up to the End Date +365 days.</li> </ul>
	Start + Delete	<ul style="list-style-type: none"> <li>- CPP information is deleted from CP-IS on the Delete Date received. <i>(Immediate removal will be today's date or a historical date)</i></li> <li>- Access history is recorded and shared until the Delete Date.</li> </ul>

	Start + End + Delete	<ul style="list-style-type: none"> <li>- CPP information is retrievable from CP-IS until End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- CPP information is deleted from CP-IS on the End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- Access history is recorded and shared until the End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> </ul>
Unborn Child Protection	Start	<ul style="list-style-type: none"> <li>- Invalid request as there must always be an End Date included when Unborn CPP information is sent. <i>(the End Date will be the expected Due Date for the baby, held locally)</i></li> </ul>

Plan		<i>within the children's social care system)</i>
	Start + End	<ul style="list-style-type: none"> <li>- Unborn CPP information is retrievable from CP-IS (on the mother's NHS number) until End Date +28 days.</li> <li>- Unborn CPP information is deleted from CP-IS (on the mother's NHS number) after End Date +28 days.</li> <li>- Access history is stored and shared until End Date +28days.</li> </ul>
	Start + Delete	<ul style="list-style-type: none"> <li>- Invalid request as there must always be an End Date included when Unborn CPP information is sent.</li> </ul>
	Start + End + Delete	<ul style="list-style-type: none"> <li>- Unborn CPP information is retrievable from CP-IS (on the mother's NHS number) until End Date +28 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- Unborn CPP information is deleted from CP-IS (on the mother's NHS number) on the End Date +28 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- Access history is recorded and shared until the End Date +28 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> </ul>
Looked After Child	Start	<ul style="list-style-type: none"> <li>- LAC information is retrievable from CP-IS until an End Date is received.</li> <li>- Access history stored and shared until End Date is received.</li> </ul>
	Start + End	<ul style="list-style-type: none"> <li>- LAC information is retrievable from CP-IS until the End Date +365 days</li> <li>- LAC information is deleted from CP-IS after the End Date +365 days.</li> <li>- Access history is recorded and shared up to the End Date +365 days.</li> </ul>
	Start + Delete	<ul style="list-style-type: none"> <li>- LAC information is deleted from CP-IS on the Delete Date received.</li> <li>- Access history is recorded and shared until the Delete Date.</li> </ul>
	Start + End + Delete	<ul style="list-style-type: none"> <li>- LAC information is retrievable from CP-IS until End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- LAC information is deleted from CP-IS on the End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> <li>- Access history is recorded and shared until the End Date +365 days, <i>or</i>, the Delete Date received, whichever is the earlier date.</li> </ul>

## 5.22 Identified Children

CP-IS will support the recording and sharing of CP-IS information for the following group of children (defined as being younger than 17yrs and 365 days);

- are currently subject to having a Child Protection Plan
- are currently subject to having an Unborn Child Protection Plan
- are currently subject to being a Looked After Child, specifically however, only those children who are being cared for under the following sections of the Children's Act 1989;
  - Full Care Order (Section 31)
  - Interim Care Order (Section 38)
  - Voluntary Care Agreement (Section 20)

## 5.23 Updates to the CP-IS Service

Upon retrieval of the CP-IS information from CP-IS only the last record uploaded will be available for retrieval and display to the NHS user.

Where there is an update to a child's record from the children's social care system, this information will be used to replace what's stored within the CP-IS service and ultimately retrieved by the NHS system.

Only the children's social care system submitting uploads to the CP-IS service will have the capability to make any changes to the CP-IS dataset uploaded and ultimately displayed to

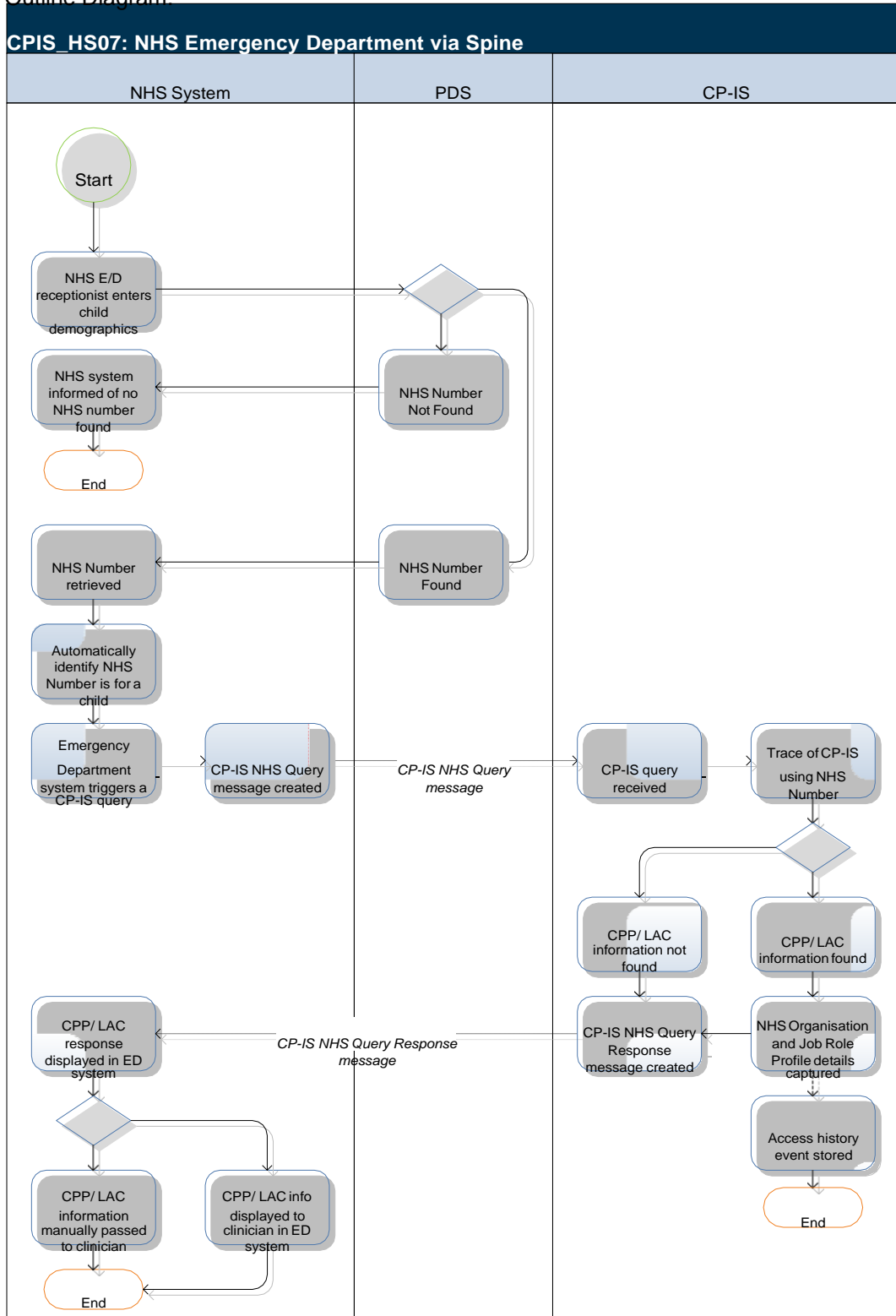
the NHS users. This will mean that any inaccuracies of the data submitted to the CP-IS service will require the children's social care system to provide new uploads to amend the CP-IS information stored.

# 8 Unscheduled Care Settings

## 5.24 Use Case HS07: Emergency Department via Spine

Ref:	CPIS_HS07
Name:	Emergency Department via Spine
Description:	This use case outlines how the CP-IS service will be used within the Emergency Department setting, using PDS to retrieve the NHS Number.

Outline Diagram:



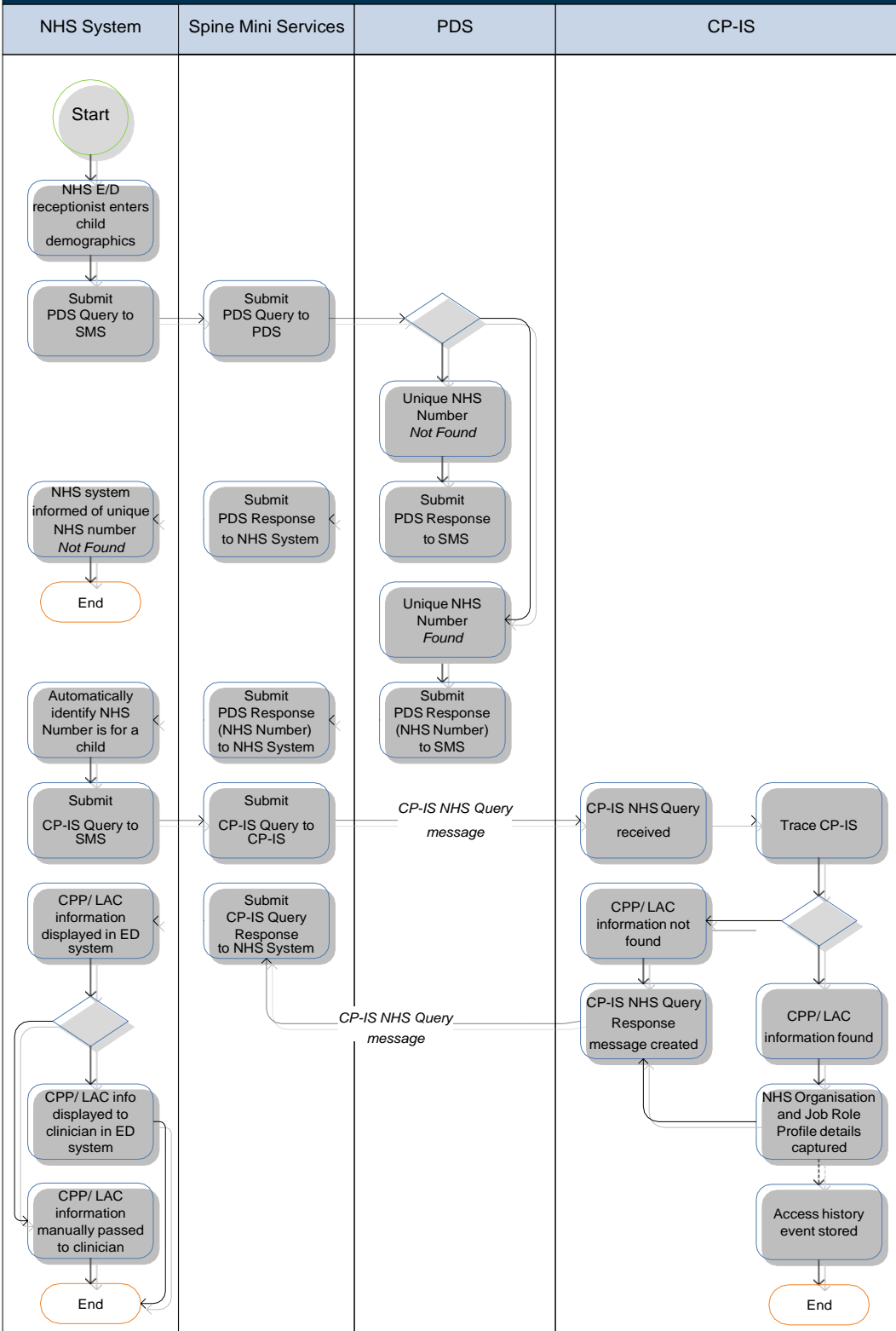
Actors:	<ul style="list-style-type: none"> <li>• NHS Healthcare workers</li> <li>• Emergency Department System</li> <li>• Personal Demographic Service (PDS)</li> <li>• CP-IS Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>• NHS system has access to, and uses PDS to trace demographics of patients</li> <li>• Unique NHS number is identified via the demographics entered</li> <li>• NHS Healthcare worker has the Activity Code B0107 View Child Protection Plan added to their smart card.</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The NHS healthcare worker will be displayed with the CP-IS information</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. NHS system uses demographic information to trace patient as part of a routine demographic search of the patient's details <ol style="list-style-type: none"> <li>1.1 PDS returns trace results including verified NHS number where applicable</li> </ol> </li> <li>2. NHS system will need to identify patient is a child based on the date of birth provided <ol style="list-style-type: none"> <li>2.1 Where the patient is a child, the verified NHS number is used to populate the CP-IS NHS Query message and submitted to the CP-IS service automatically.</li> </ol> </li> <li>3. CP-IS service undertakes a trace for CP-IS information using the verified NHS number <ol style="list-style-type: none"> <li>3.1 Where CP-IS information exists, a CP-IS Query Response message is returned back to the NHS system including the CP-IS dataset</li> <li>3.2 Where CP-IS information is found, the following information will be captured by CP-IS <ul style="list-style-type: none"> <li>- Job Role Profile of NHS Healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> <li>3.3 Where CP-IS information does not exist, a CP-IS Query Response message is returned back to the NHS system outlining that no CP-IS information was found</li> </ol> </li> <li>4. The NHS system retrieves the CP-IS information and displays this to the NHS healthcare worker</li> <li>5. The CP-IS information may be manually referred to the attending clinician, or updated against the patient record within the local system</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification (<i>Reference subject to change during document development phase</i>)</li> </ul>

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## 5.25 Use Case HS08: Emergency Department via SMS

Ref:	CPIS_HS08
Name:	Emergency Department via SMS
Description:	This use case outlines how the CP-IS service will be used within the Emergency Department setting using Spine Mini Services to retrieve the NHS number and the CP-IS information.
Outline Diagram:	

## CPIS\_HS08: NHS Emergency Department via Spine Mini Services



**Actors:**

- NHS Healthcare workers
- Emergency Department System (ED)
- Spine Mini Service (SMS)
- CP-IS Service

**Preconditions:**

- NHS system has access to, and uses SMS to trace demographics of patients
- Unique NHS number is identified via the demographics entered

**Post conditions:**

- The NHS healthcare worker will be displayed with the CP-IS information

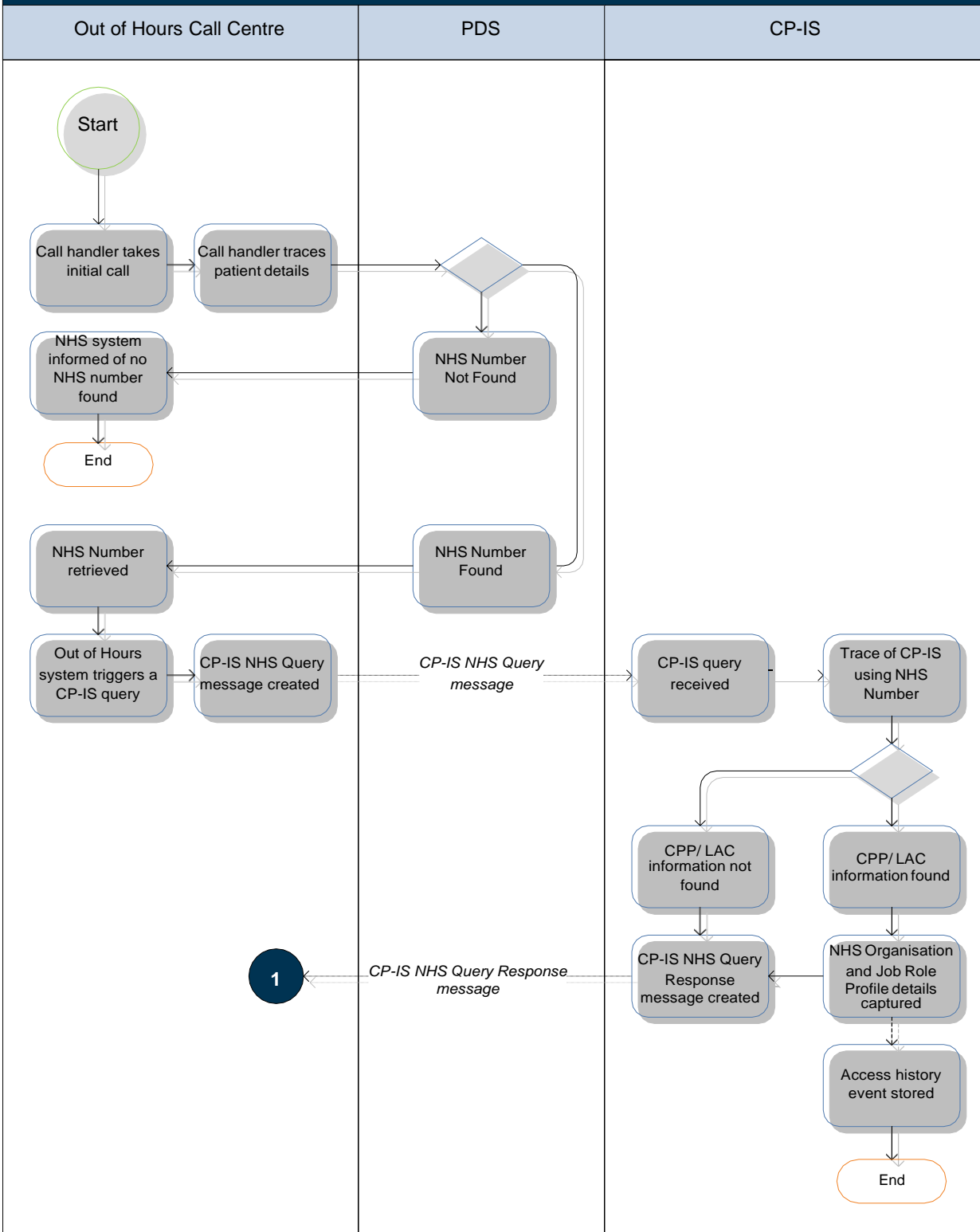
<p>Basic Flows:</p>	<ol style="list-style-type: none"> <li>1. ED system uses demographic information to trace patient as part of a routine demographic search of the patient's details <ol style="list-style-type: none"> <li>1.1 Spine mini service is used to submit an initial trace to PDS to identify NHS number</li> <li>1.2 PDS returns a PDS Query Response to the SMS including the verified NHS number</li> <li>1.3 SMS returns the PDS Query Response to the ED System</li> </ol> </li> <li>2. ED system uses the NHS number received to identify that the patient is a child. <ol style="list-style-type: none"> <li>2.1 Where the patient is not a child the use case ends and the NHS number is displayed to the end user</li> <li>2.2 Where the patient is a child a CP-IS NHS Query message is submitted to SMS</li> <li>2.3 SMS submits the CP-IS NHS Query to the CP-IS service</li> </ol> </li> <li>3. CP-IS service undertakes a trace for CP-IS information using the verified NHS number <ol style="list-style-type: none"> <li>3.1 Where CP-IS information exists, a CP-IS Query Response message is returned back to Spine Mini Service which is routed back to the NHS system</li> <li>3.2 Where CP-IS information is found, the following information will be captured by CP-IS <ul style="list-style-type: none"> <li>- Job Role Profile of NHS Healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> <li>3.3 Where CP-IS information does not exist, a CP-IS Query Response message is returned back to the ED system outlining that no CP-IS information was found</li> </ol> </li> <li>4. The ED system retrieves the CP-IS information and displays this to the NHS healthcare worker</li> <li>5. The CP-IS information may be manually referred to the attending clinician, or updated against the patient record within the local system</li> </ol>
<p>Associated Use Case</p>	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification <i>(Reference subject to change during document development phase)</i></li> </ul>

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## 5.26 Use Case HS09: Out of Hours: Initial Retrieval

Ref:	CPIS_HS09
Name:	Out of Hours: Initial Retrieval
Description:	This use case outlines how the CP-IS service will be used within Out of Hours settings, outlining the retrieval of the CP-IS information.
Outline Diagram:	

## CPIS\_HS09: NHS Out of Hours: Initial Retrieval



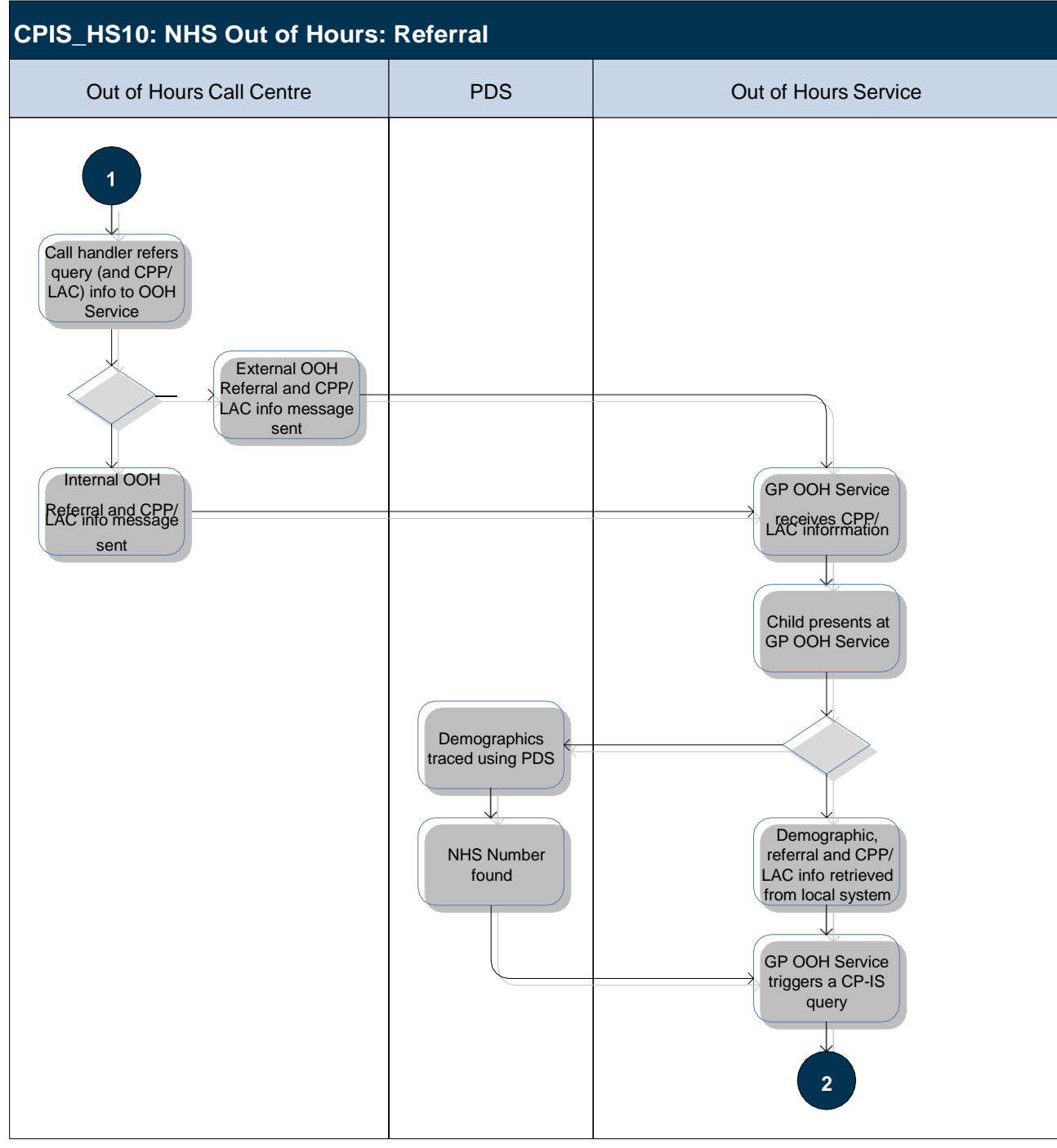
Actors:	<ul style="list-style-type: none"> <li>Out of Hours Call Centre</li> <li>Personal Demographic Service</li> <li>CP-IS Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>Out of Hours call centre has access to PDS</li> <li>Unique NHS number is identified via the demographics entered</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>The call centre handler, may have access to the CP-IS information</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>Out of hours call centre handler uses demographic information to trace patient as part</li> </ol>

	<p>of a routine demographic search of the patient's details on receipt of a call</p> <p>1.1 PDS returns trace results including verified NHS number where applicable</p> <p>2. Out of hours system will need to identify patient is a child based on the date of birth provided</p> <p>2.1 Where the patient is a child, the verified NHS number is used to populate the CP-IS NHS Query message and submitted to the CP-IS service automatically.</p> <p>3. CP-IS service undertakes a trace for CP-IS information using the verified NHS number</p> <p>3.1 Where CP-IS information exists, a CP-IS Query Response message is returned back to the out of hours system including the CP-IS dataset, but this is not displayed to the call centre handler</p> <p>3.2 Where CP-IS information is found, the following information will be captured by CP-IS</p> <ul style="list-style-type: none"> <li>- Job Role Profile of NHS Healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> <p>3.3 Where CP-IS information does not exist, a CP-IS Query Response message is returned back to the out of hours system outlining that no CP-IS information was found, again this may or may not be displayed to the out of hours call centre handler</p>
Associated Use Cases	<ul style="list-style-type: none"> <li>• HS010_Out of Hours: Referral</li> <li>• HS011_Out of Hours: Access History</li> <li>• CPIS_SC03: CP-IS Access Notification</li> </ul> <p><i>(Reference subject to change during document development phase)</i></p>

## 5.27 Use Case HS10: Out of Hours: Referral

Ref:	CPIS_HS10
Name:	Out of Hours: Referral
Description:	This use case outlines how the CP-IS service will be used within Out of Hours settings, outlining the referral of an out of hours call to an out of hours setting

Outline Diagram:



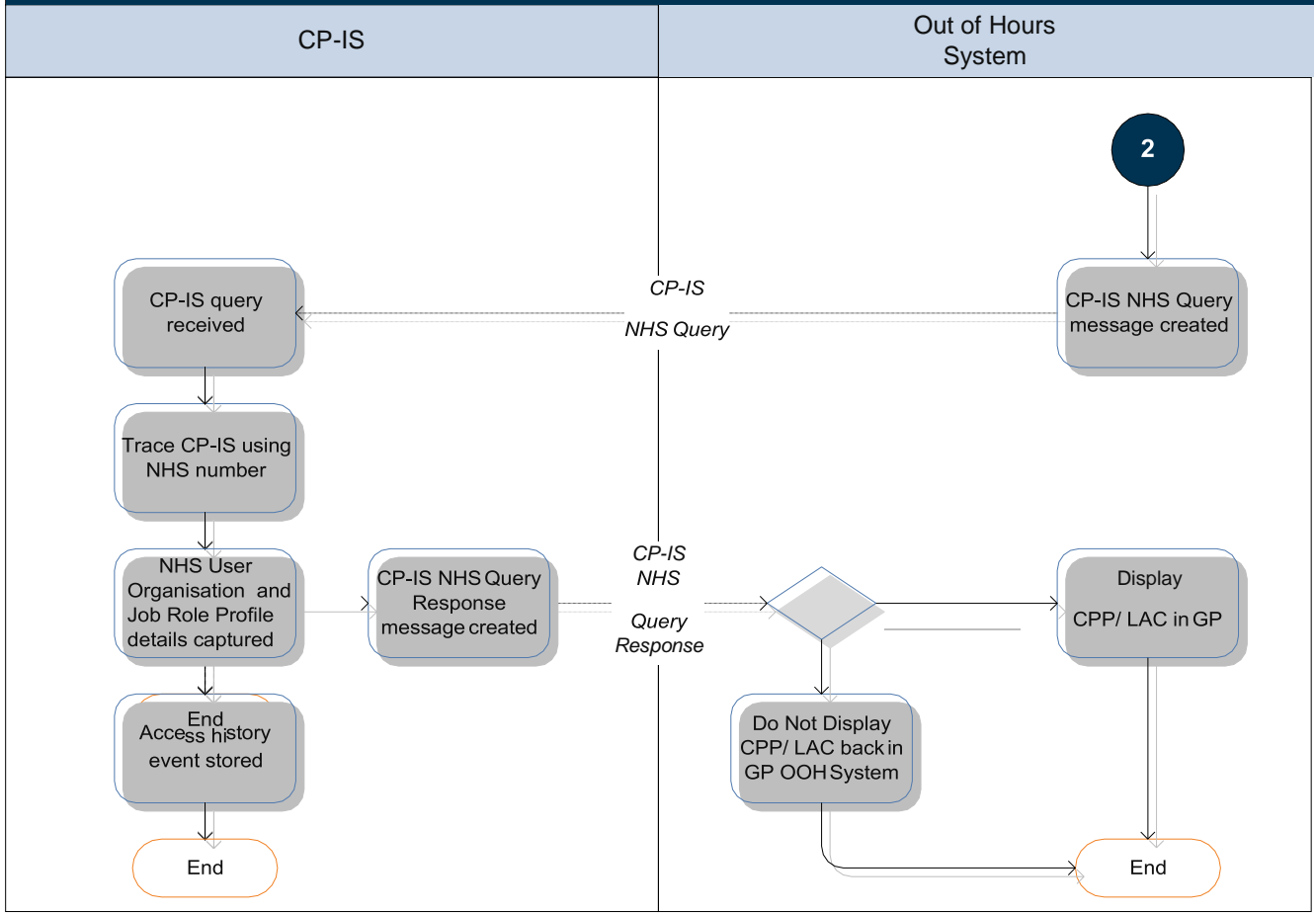
Actors:	<ul style="list-style-type: none"> <li>• Out of Hours Call Centre</li> <li>• Personal Demographic Service</li> <li>• Out of Hours Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>• Out of Hours call centre has access to PDS</li> <li>• Unique NHS number is identified via the demographics entered</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The call centre handler, may have access to the CP-IS information</li> <li>• The referral may or may not trigger a subsequent demographic search</li> </ul>
Basic Flows:	1. Following existing referral processes, the CP-IS information is also captured and referred to the out of hours service
Associated Use Cases	<ul style="list-style-type: none"> <li>• CPIS_HS09: Out of Hours: Initial Retrieval</li> <li>• CPIS_HS11: Out of Hours: Access History</li> <li>• CPIS_SC03: CP-IS Access Notification <i>(Reference subject to change during document development phase)</i></li> </ul>

## 5.28 Use Case HS11: Out of Hours: Access History

Ref:	CPIS_HS011
Name:	Out of Hours: Referral
Description:	This use case outlines how the CP-IS service will be used within Out of Hours settings, outlining how the access event to CP-IS can be captured

Outline Diagram:

### CPIS\_HS11: NHS Out of Hours: Access History



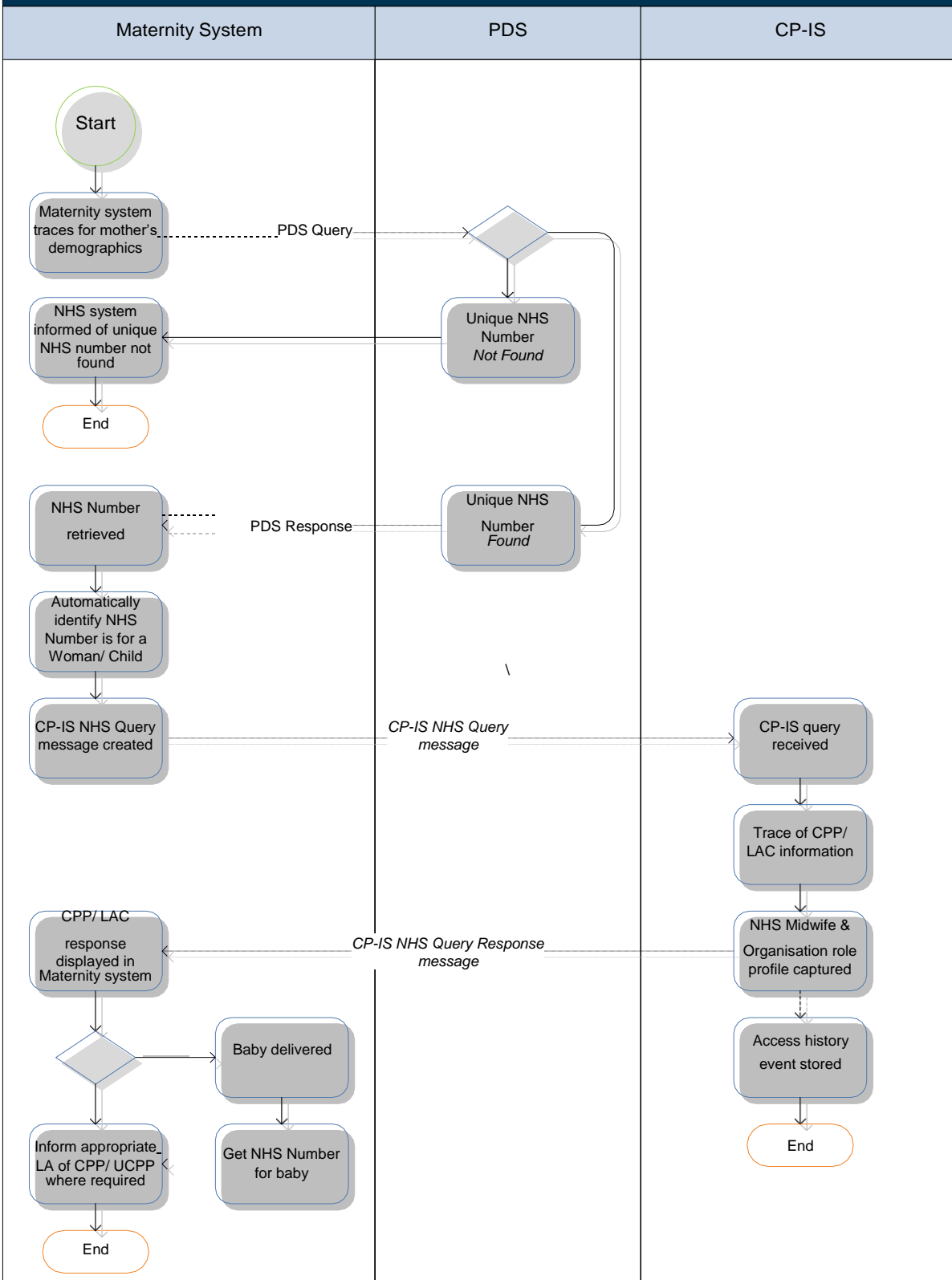
Actors:	<ul style="list-style-type: none"> <li>• CP-IS service</li> <li>• Out of Hours system</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>• A trace of the CP-IS service is undertaken</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The out of hours NHS healthcare workers access to the CP-IS service is captured</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. When the patient presents at the out of hours service a subsequent demographic search for the child, may or may not occur <ol style="list-style-type: none"> <li>1.1 Where there is a subsequent demographic search, CP-IS will be accessed for a second time and the information will be displayed to the retrieving NHS healthcare worker in addition to the existing referral information</li> <li>1.2 Where there is no subsequent demographic search, the NHS healthcare worker will have displayed the referral information, as per existing processes, and the CP-IS information. However, as there has been no subsequent trace of the patient, there will be no additional access event history captured.</li> <li>1.3 To ensure the capture of who has accessed the CP-IS service, when the referral is retrieved by the out of hours NHS healthcare worker, there should be background query of CP-IS, confirming the CP-IS information to the out of hours NHS healthcare worker. This will ensure that the access event history is captured by the NHS healthcare worker, not just the out of hours call centre handler</li> </ol> </li> </ol>
Associated Use Cases	<ul style="list-style-type: none"> <li>• CPIS_HS09: Out of Hours: Initial Retrieval</li> <li>• CPIS_HS10: Out of Hours: Referral</li> <li>• CPIS_SC03: CP-IS Access Notification</li> </ul> <p><i>(Reference subject to change during document development phase)</i></p>

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## 5.29 Use Case HS12: Maternity Services: Spine Access

Ref:	CPIS_HS12
Name:	Maternity Services: Spine Access
Description:	This use case outlines how the CP-IS service will be used within Maternity Services via direct Spine access
Outline Diagram:	

## CPIS\_HS12: NHS Maternity Services: Spine Access



**Actors:**

- Maternity Services
- Personal Demographic Service (PDS)
- NHS Healthcare worker
- CP-IS Service

**Preconditions:**

- Unique NHS number is identified via PDS

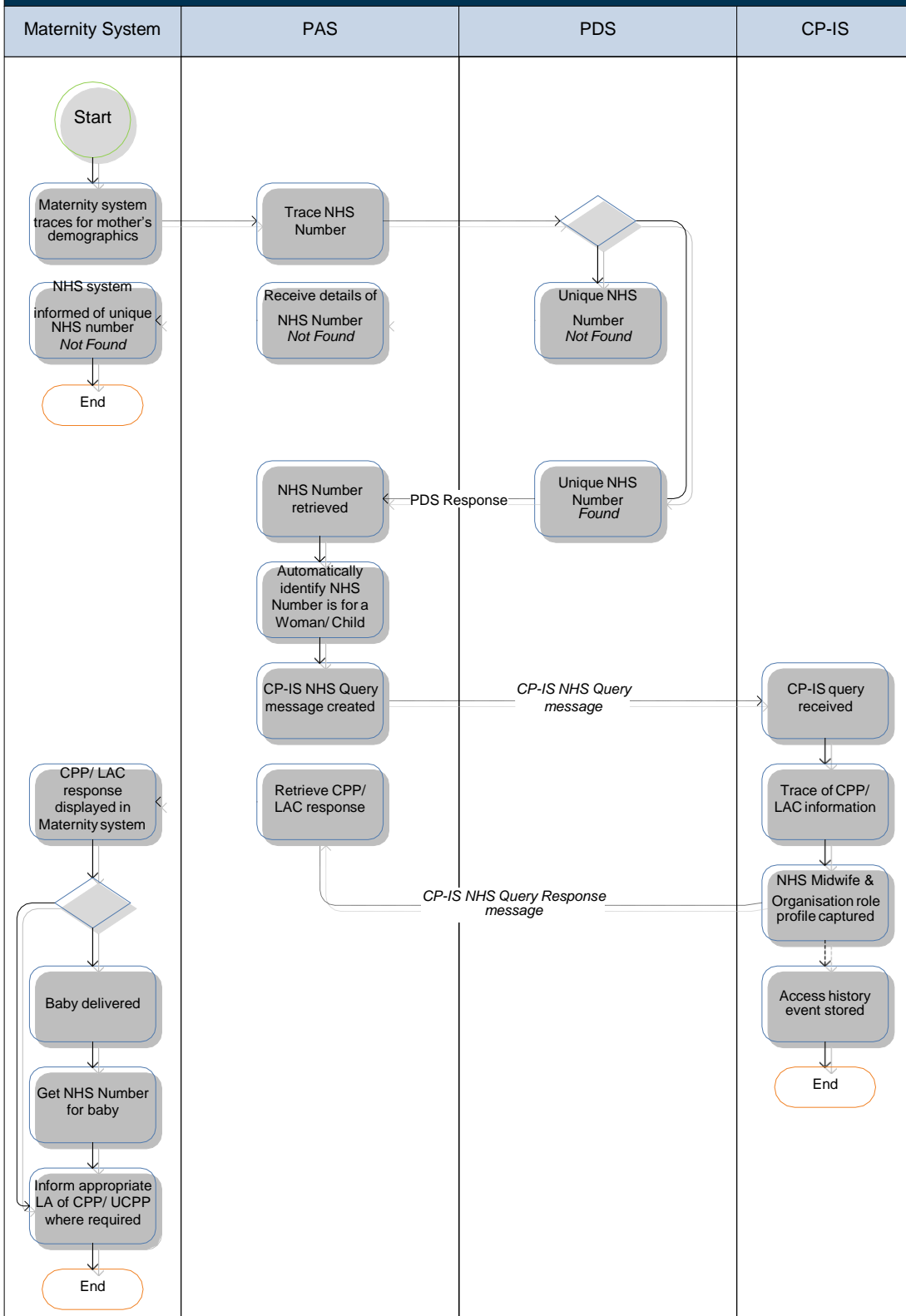
Post conditions:	<ul style="list-style-type: none"> <li>The healthcare worker will be displayed with CPP/ information</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>Healthcare worker uses mother's demographic information to trace patient as part of a routine demographic search of the patient's details             <ol style="list-style-type: none"> <li>PDS returns trace results including verified NHS number where applicable</li> </ol> </li> <li>Maternity system will need to use the NHS number to trace CP-IS             <ol style="list-style-type: none"> <li>The maternity system must identify that the verified NHS number is for an eligible patient; either a child of any gender aged up to 18 years &amp; 365 days or an adult of any gender, except male, aged between 19 years and 56 years &amp; 365 days which will act as the trigger to search CP-IS.</li> </ol> </li> <li>A CP-IS NHS Query message is submitted to CP-IS service</li> <li>CP-IS service undertakes a trace for CPP or UCPP information using the verified NHS number, returning a CP-IS NHS Query Response message to the maternity system             <ol style="list-style-type: none"> <li>Where a child patient's NHS number has been submitted, there may be a returned CPP/ LAC for the female child or even an UCPP for their unborn baby</li> <li>Where a non-male adult patient NHS number has been submitted, there may be a returned UCPP for their unborn baby</li> </ol> </li> <li>Where CPP/ LAC or UCPP information does not exist, a CP-IS Query Response message is still returned back to the maternity system outlining that no CPP/ LAC or UCPP information was found</li> <li>Where CPP/ LAC or UCPP information is found;             <ol style="list-style-type: none"> <li>This will need to be displayed to the healthcare worker within the maternity system.</li> <li>CP-IS service will capture the following information;                 <ul style="list-style-type: none"> <li>Job Role Profile of the healthcare worker</li> <li>ODS Code from where the NHS CP-IS Query message originated</li> <li>Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> </ol> </li> <li>As per existing processes, the healthcare worker should contact the Local Authority to discuss any safeguarding concerns upon identification of CPP/ LAC or UCPP information</li> <li>Where a baby has been born, the new NHS number for the baby should be confirmed as per existing processes, and the relevant Local Authority must be informed of the new NHS number, where UCPP had been identified.</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>CPIS_SC03: CP-IS Access Notification <i>(Reference subject to change during document development phase)</i></li> </ul>

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## 5.30 Use Case HS13: NHS Maternity: Spine Access via PAS

Ref:	CPIS_HS13
Name:	Maternity Services: Spine Access via PAS
Description:	This use case outlines how the CP-IS service will be used within Maternity Services where NHS numbers are accessed from PDS via the local PAS system
Outline Diagram:	

## CPIS\_HS13: NHS Maternity Services: Spine Access via PAS



**Actors:**

- Maternity Services
- Personal Demographic Service (PDS)
- Patient Administration System
- CP-IS Service

**Preconditions:**

- Maternity system has local integration to PAS system

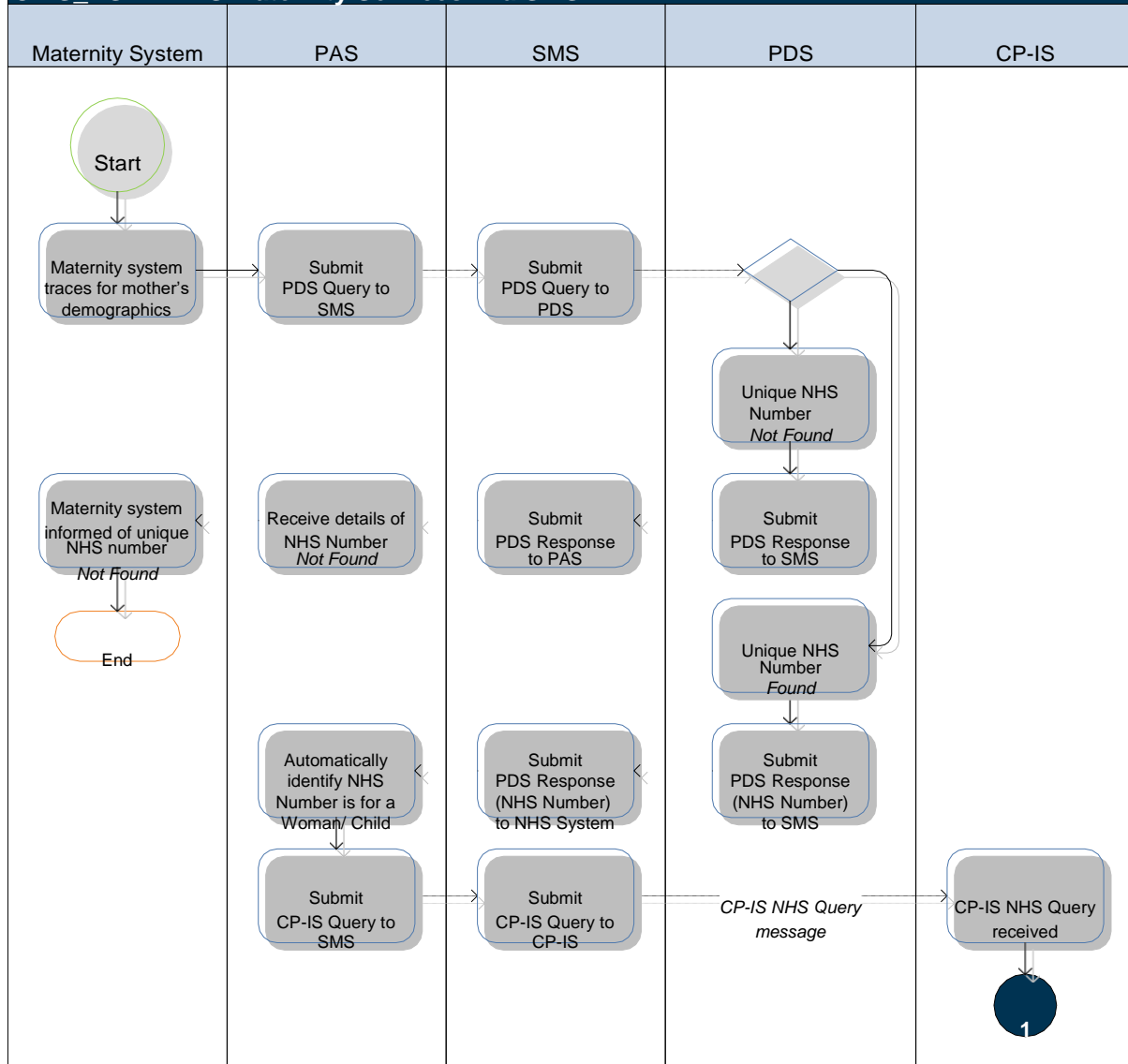
	<ul style="list-style-type: none"> <li>• PAS system has access to PDS</li> <li>• Unique NHS number is identified via PAS</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The healthcare worker will be displayed with CP-IS information</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. Healthcare worker uses mother's demographic information to trace patient as part of a routine demographic search of the patient's details <ol style="list-style-type: none"> <li>1.1 Maternity system is integrated to local PAS</li> <li>1.2 Local PAS is used to retrieve a verified NHS number from PDS</li> </ol> </li> <li>2. Local PAS system will need to use the NHS number to trace CP-IS <ol style="list-style-type: none"> <li>2.1 The PAS system must identify that the verified NHS number is for an eligible patient which will act as the trigger to search CP-IS.</li> </ol> </li> <li>3. A CP-IS NHS Query message is submitted to CP-IS service</li> <li>4. CP-IS service undertakes a trace for CP-IS information using the verified NHS number, returning a CP-IS NHS Query Response message to the PAS system <ol style="list-style-type: none"> <li>4.1 Where a child patient's NHS number has been submitted, there may be a returned CPP/ LAC for the young female or even an UCPP for their unborn baby</li> <li>4.2 Where a female adult patient NHS number has been submitted, there may be a returned UCPP for their unborn baby</li> </ol> </li> <li>5. Where CP-IS information does not exist, a CP-IS Query Response message is still returned back to the PAS system outlining that no CP-IS information was found</li> <li>6. Where CP-IS information is found; <ol style="list-style-type: none"> <li>6.1 This will need to be displayed to the healthcare worker from within the maternity system.</li> <li>6.2 CP-IS service will capture the following information; <ul style="list-style-type: none"> <li>- Job Role Profile of the healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> </ol> </li> <li>7. As per existing processes, the healthcare worker should contact the Local Authority to discuss any safeguarding concerns upon identification of CP-IS information</li> <li>8. Where a baby has been born, the new NHS number for the baby should be confirmed as per existing processes, and the relevant Local Authority must be informed of the new NHS number, where UCPP had been identified.</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification (Reference subject to change during document development phase)</li> </ul>

## 5.31 Use Case HS14: NHS Maternity Services via SMS

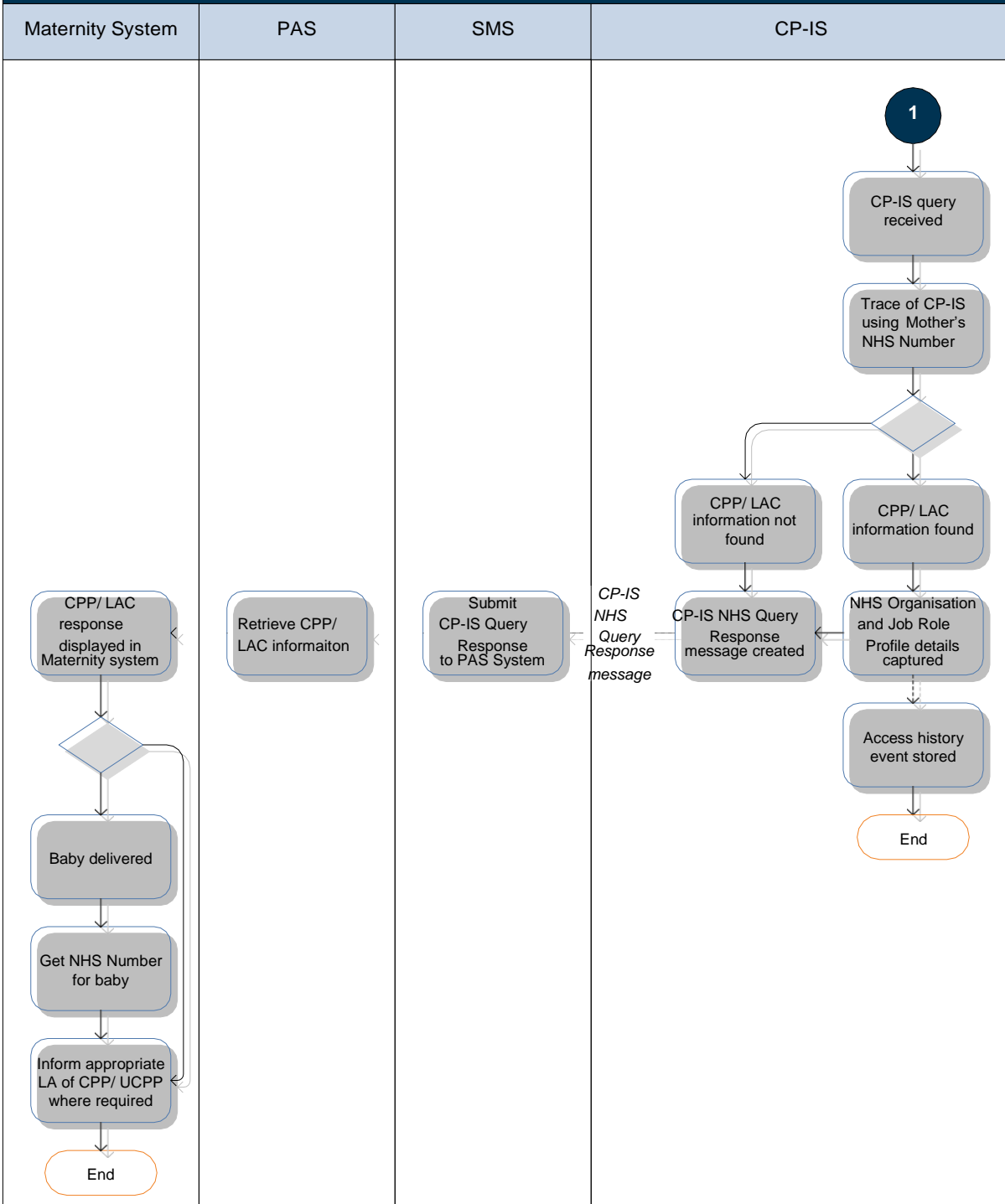
Ref:	CPIS_HS14
Name:	Maternity Services via Spine Mini Services
Description:	This use case outlines how the CP-IS service will be accessed via SMS

Outline Diagram:

### CPIS\_HS14: NHS Maternity Services: via SMS



# CPIS\_HS14: NHS Maternity Services: via SMS\_Continued



Actors:

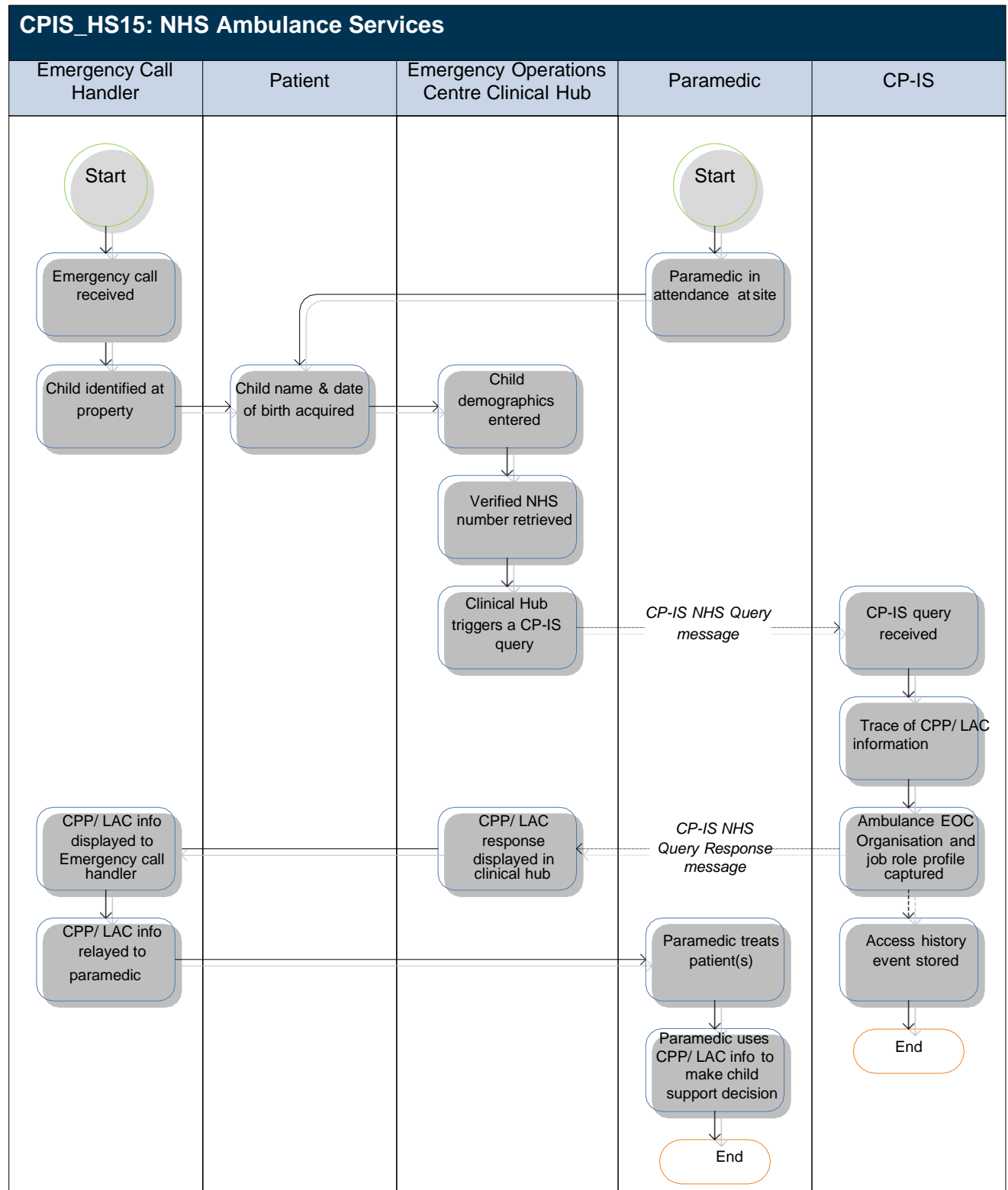
- Maternity Services
- Personal Demographic Service (PDS)
- Patient Administration System
- Spine Mini Service
- CP-IS Service

Preconditions:	<ul style="list-style-type: none"> <li>• Maternity system has local integration to PAS system</li> <li>• PAS system has access to Spine Mini Service</li> <li>• Unique NHS number is identified via PAS</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• The healthcare worker will be displayed with CP-IS information</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. Healthcare worker uses mother's demographic information to trace patient as part of a routine demographic search of the patient's details <ol style="list-style-type: none"> <li>1.1 Maternity system is integrated to local PAS</li> <li>1.2 Local PAS is used to retrieve a verified NHS number from PDS via Spine Mini Service</li> </ol> </li> <li>2. Maternity system will need to use the NHS number to trace CP-IS <ol style="list-style-type: none"> <li>2.1 The maternity system must identify that the verified NHS number is for an eligible patient which will act as the trigger to search CP-IS.</li> </ol> </li> <li>3. A CP-IS NHS Query message is submitted to CP-IS service via Spine Mini Service</li> <li>4. CP-IS service undertakes a trace for CPP or UCPP information using the verified NHS number, returning a CP-IS NHS Query Response message <ol style="list-style-type: none"> <li>4.1 Where a child patient's NHS number has been submitted, there may be a returned CPP/ LAC for the young female or even an UCPP for their unborn baby</li> <li>4.2 Where a female adult patient NHS number has been submitted, there may be a returned UCPP for their unborn baby</li> </ol> </li> <li>5. Where CP-IS information does not exist, a CP-IS Query Response message is still returned back to the PAS via the Spine Mini Service outlining that no CP-IS information was found</li> <li>6. Where CP-IS information is found; <ol style="list-style-type: none"> <li>6.1 This will need to be displayed to the healthcare worker from within the maternity system.</li> <li>6.2 CP-IS service will capture the following information; <ul style="list-style-type: none"> <li>- Job Role Profile of the healthcare worker</li> <li>- ODS Code from where the NHS CP-IS Query message originated</li> <li>- Date &amp; Time of the CP-IS Query Response message being created by CP-IS</li> </ul> </li> </ol> </li> <li>7. As per existing processes, the healthcare worker should contact the Local Authority to discuss any safeguarding concerns upon identification of CP-IS information</li> <li>8. Where a baby has been born, the new NHS number for the baby should be confirmed as per existing processes, and the relevant Local Authority must be informed of the new NHS number, where UCPP had been identified.</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification <i>(Reference subject to change during document development phase)</i></li> </ul>

## 5.32 Use Case HS15: Ambulance Service

Ref:	CPIS_HS15
Name:	Ambulance Services
Description:	This use case outlines how the CP-IS service will be used by Paramedics and/ or Emergency Call handlers

Outline Diagram:



Actors:	<ul style="list-style-type: none"> <li>• Paramedics</li> <li>• Emergency Operations Call handler</li> <li>• Emergency Operations Clinical hub</li> <li>• CP-IS Service</li> </ul>
Preconditions:	<ul style="list-style-type: none"> <li>• Child demographics and their unique NHS number can be identified</li> </ul>
Post conditions:	<ul style="list-style-type: none"> <li>• Paramedics will be informed of the CP-IS information for a child</li> <li>• Emergency call handler will be informed of CP-IS information for a child</li> </ul>
Basic Flows:	<ol style="list-style-type: none"> <li>1. Emergency call is received by the Emergency Call handler or Paramedic is in attendance at a call</li> <li>2. Where a child is identified at the property, there may be an opportunity to obtain demographic information for the child</li> <li>3. The EOC call handler undertakes a demographic trace and upon identification of a verified NHS number, a CP-IS NHS Query is submitted to CP-IS service</li> <li>4. Where there is CP-IS information found for the child, the access event history is recorded within CP-IS service</li> <li>5. The emergency call handler can inform the paramedic prior to the attendance if received early enough, or during the paramedics attendance on site</li> </ol>
Associated Use Case	<ul style="list-style-type: none"> <li>• CPIS_SC03: CP-IS Access Notification <i>(Reference subject to change during document development phase)</i></li> </ul>

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## 9 Service Management

To support NHS unscheduled care systems it is expected that the existing Helpdesk arrangements to support access to spine services e.g. PDS or SCRa that the existing arrangements to communicate service outage would be applicable.

Where access to the CP-IS service is unavailable then NHS users should initially contact their local service desks and subsequently their system supplier's to investigate further in the event where it may be identified that;

- Query messages and responses are not able to be submitted or received

Where further resolution is required, the National NHS Service Desk should then be contacted to provide additional support in trying to resolve the service failures.

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## 10 Appendix

### 5.33 CP-IS Requirements Matrix & Supporting Information



CPIS Requirements  
Matrix & Supporting I

### 5.34 CP-IS Domain Message Specification

<https://www.uktcregistration.nss.cfh.nhs.uk/trud3/user/guest/group/41/pack/22/subpack/96/releases>

*(RC2 unavailable at the time of writing)*



### 5.35 CP-IS Information Governance

CP-IS Information  
Governance Baseline

### 5.36 CP-IS SCRa Child Care Alert Tab Screenshots

*(Unavailable at the time of writing)*