UCR and Ambulance Referral Blueprint

Examples of 999 and Urgent Community Response (UCR) pathways

Version 1.2



Overview

How to use this document and current status of UCR and 999 collaboration



Purpose of blueprint and how to use it

Purpose of referral blueprint

- Referral pathways from ambulance providers into Urgent Community Response services are in place in many areas of the country, but there is variation in approach.
- Although there has been continued growth from 999 into UCR over the last 12 months, there are still opportunities to increase referral activity, supporting individuals in need of rapid support as well as system pressures.
- This document outlines:
 - A variety of referral models between 999 and UCR services, and associated benefits/limitations
 - **Pathways and case studies** to illustrate what the different models look like 'on the ground'.
- The different types of referral models described are:



- Portal transfer (with or without automated referral)
- Interoperability Toolkit (ITK) transfer
- C Telephone transfer



How to use this document

- This document can support places / ICBs to:
 - Implement referral pathways from 999 into UCR, where these are not already in place
 - Review existing arrangements, and support pathway transformation where needed to ensure optimal management of ambulance referrals across a system.
- When reading through this document, it can be helpful to reflect on the below indicators for testing the maturity of any pathway in place:
 - 1. Ambulance providers are identifying appropriate caseload to pass to UCR services.
 - 2. UCR services accept all appropriate referrals, and where capacity allows, proactively identify caseload.
 - 3. UCR services have the digital capability to communicate with and accept referrals from ambulance providers.
 - 4. Audits on both rejected referrals and missed opportunities to refer into UCR are carried out, and identified issues are resolved.
 - 5. Evaluations occur to understand the impact the pathway is having and to actively target priority population groups (e.g., those experiencing health inequalities).

UCR and 999: the current picture

Overview

- 11 ambulance services (including Isle of Wight) operate in England, receiving ~12-14m calls annually.
- Not all these incidents will require an emergency response. Through developing pathways between ambulance providers and other community-based services, it's expected that:
 - People will still receive timely, safe clinical care in their homes.

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- Systems will be able to maximise their limited resource, deploying 999 crews only when needed.
- These ambitions are supported by the 2023 <u>Delivery plan for recovering urgent and emergency care services</u>, with systems/providers asked to transfer patients who do not need a face-to-face 999 response into services that more appropriately meet their needs, including UCR.
- In May 2023, 4,430 UCR referrals (8.4%) were from ambulance services, ~56% more referrals than May 2022. There is a national average of approximately 400 referrals per month* by ambulance trusts across England.
- Ambulance services are currently the 4th highest referrer into UCR services, behind self-referral, GPs and other community services.

150 Day Challenge

- Part of the reason for a 48% increase in referrals from ambulance services to UCR over the period from October 2021 to March 2022 was due to the 150 Day Challenge (see slides 12 and 13 <u>here</u>), which encouraged ambulance and UCR services to work together to:
 - Help manage ambulance demand and where clinically appropriate, have UCR take on Category 3&4 calls
 - o Build networks and enable collaboration between UCR services and ambulance trusts

Percentage of total UCR referrals from Ambulance by ICB (Jan-Apr 2023)

≤ 5 5-10 10-15 15-20 20-25 25-30 ≥ 30



This map shows the percentage of total UCR referrals from ambulance providers from January to April 2023, by Integrated Care Board (ICB).

Referral models

An overview of referral models, and where this is occurring

Overview of referral process

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Who should refer

- UCR services can accept 999 activity via:
 - Ambulance Control rooms, also known as Emergency Operations Centres (EOC)
 - 999 crews on scene, who can refer via telephone, or through Directory of Services (DoS)/MiDoS (versatile and widely used service finding app in the NHS)
 - SPoA/Clinical Assessment Service (CAS), where a range of 999 incidents (not just UCR appropriate) are passed and validated for onward referral; or a 999 clinician (in the SPoA) is 'pulling' incidents for referral
- UCR services should accept non-clinician to clinician referrals, where this is supported by the NHS Pathways algorithm/clinical decision support system. This could be supported by the agreement of 'pre-determined code sets' (see more information on slide 16).

 Some 999 incidents on the EOC incident stack can be considered for alternative response by the ambulance service and, where appropriate, referred onto UCR by one of the below models:



c Telephone transfer



- $\circ~$ 999 to SPoA, or;
- SPoA 'pull' from 999 (via a 999 approved clinician e.g. paramedic working in a MDT)

How to refer

- Although distinct, the referral models can be linked solutions. Data shows that ICBs with one consistent referral model into UCR have a higher number of ambulance referrals on average than areas utilising a mix of models.
- Appropriate 999 incidents can also be referred from 'at scene' by a clinician. This can happen via various routes:
 - o Telephone referral into UCR
 - o Referral into SPoA
 - Referral via DoS/MiDoS
- It is imperative that strong clinical governance surrounds any transfer of care between 999 and UCR. Key features include: the selection of appropriate incidents to refer; patient safety netting (i.e. ensuring timeliness of response is not compromised, and that escalation back to 999 is available if needed); consideration of cyber/ information governance principles; and conducting regular audits.
- In line with the <u>Delivery plan for recovering urgent and</u> <u>emergency care services</u>, NHS England encourages the use of electronic referral methods that enable the quick transfer of appropriate incidents into community services.

Referral models for consideration

While each model has benefits and limitations, engagement across the country suggests model A is best for ensuring a high volume of appropriate referrals into UCR

	Model	Key Features	Benefits	Limitations
A	Portal transfer (with or without automated referral)	 The portal is a web-based platform that can be accessed by alternative providers, who can go into the portal and select appropriate 999 cases to manage. The portal is external to the computer-aided dispatch (CAD) system, which is the software used within EOC to triage calls and deploy ambulance resources. If an incident is rejected in the portal by an alternative provider, then the original position of the case in the 999 incident queue is retained. 	 The portal enables a streamlined referral route across an area. It supports a system-led, collaborative approach by ensuring all partners have an opportunity to 'pick up' referrals. It shows potential to maximise referral numbers (i.e. two of the top three regions with the most referrals are using portals). The portal facilitates improved data monitoring and auditing as a portal system provides the functionality to accept/reject referrals and outline reasons for referral status. Pre-determined code sets can enable patient information to be moved across seamlessly. 	 The portal is unavailable to frontline 999 crews. It requires large scale, system wide buy-in and collaboration to maximise benefits.
В	ITK transfer	 ITK is a set of national standards, frameworks and implementation guides to support interoperability within local organisations. Appropriate incidents are identified/validated by navigators or clinicians in an EOC who can make a referral via ITK messaging. 	 An ITK transfer involves a trusted assessor model, as in 'trusted' of assessment of patient, and 'decision' of what is the best treatment and place as outcome of the assessment. The ITK transfer process can be made more efficient with the use of administration staff, given the manual elements that are involved. 	 The ITK transfer is a manual process. There is variation in who receives the referral and their confidence in accepting referrals, which can be difficult to navigate for the referrer.
С	Telephone transfer	 A telephone transfer requires having a dedicated number for a specific UCR team or going through the DoS to access a UCR service. Clinicians/navigators in EOC (or 999 crews on scene) can directly contact a UCR team and make a patient referral. 	 A telephone transfer can facilitate clinician-to-clinician discussions, if the pathway is designed with this in mind. The process can be made more efficient with the use of administration staff, given the manual elements that are involved. 	 This is a manual process, risking different interpretations of inclusion/exclusion criteria. There is also a lack of an audit trail. A telephone transfer will not always allow for clinician-to-clinician discussions.
D	Referral via a SPoA or similar	 A SPoA coordinates care more effectively by maximising the use of non-ED pathways. Appropriate incidents are identified by clinicians/ navigators in EOC (or by 999 crews on scene), who can utilise a dedicated number to call a SPoA and refer an incident or can access the SPoA via the DoS. 	 A SPoA reduces the complexity caused by multiple referral points and criteria, enabling a streamlined referral route. It incorporates co-location and MDT working – UCR is available as 'one of many' services, providing ease of access to wider care options. It maximises referral numbers (e.g. several ICBs report greater numbers of referrals when a SPoA model is used). 	 There can be multiple SPoA's – with different criteria and operating hours, resulting in confusion. It requires large scale, system wide buy-in and collaboration to maximise benefits.

Case study: WMAS Integrated Referral Portal, enabling the transfer of patients to alternative providers



NHS

West Midlands Ambulance Servic



Case study: Cleric Digital Portal at EEAST, enabling transfer of patients to alternative providers





Detailed guidance: 999 Cat 3-5 calls to UCR 'external stack'

'Cleric Digital Portal at EEAST' project – 999 call demand management



For more details, see here.

East of England



For more details, see here.

*Any CAD requiring clinical upgrade is phoned back into the Clinical Control Desk via a dedicated line

Case study: YAS UCR model for Category 3&4

Overview	The aim of the pilot was to have quick and easy access to UCR services across the region for the three unplanned care services lines within Yorkshire Ambulance Service (YAS): ambulance crews, EOC and Integrated Urgent Care (IUC).		
Situation	 YAS receives ~3500 calls per day and covers a population of 5 million over 6,000 square miles. There are three ICSs and 15 UCR providers – with varying service models and access routes – across the YAS footprint. This results in barriers for YAS when managing the ~2,000 Category 3&4 incidents per month that are received and appropriate for UCR. 		
Action	 It was agreed that YAS would work in collaboration with a GP-led 'out of hours care provider' to act as a SPoA for UCR referrals across one ICS area. As a result, a SPoA/UCR triage hub' was established via Local Care Direct, who serve as the access and navigation point between YAS and UCR providers. The hub is staffed by senior clinicians who review calls passed to them by EOC and navigate patients to an appropriate local service. They are also accessible via 111 and provide an advice and referral line for ambulance crews at scene. Three out of five places in West Yorkshire were a part of the pilot, along with Kirklees, Calderdale and Wakefield UCR teams. The following were in place to ensure a successful SPoA for UCR teams: Infrastructure, networks and staffing – required a hub with strong networks and relationships with local services and the ability to review cases passed to them in a timely manner Approach to clinical risk – required experienced clinicians and a supportive clinical governance structure Clear responsibilities – required understanding of each other's roles and careful design of clinical handover Guidang principles for the pilot included: Right care for the patient (not just focusing on volume) Collaborative working (dependent on strong professional relationships, trust and respect among teams) Adding value to the patient journey (ensuring patient needs are met as early as possible, not just shifting demand) Patient safety and reducing risk (calls are kept under clinical oversight at each stage and there is a clear transfer of responsibility between agencies and a mechanism for transferring calls back if required) 		
Results	 As a result, the model is showing acceptance rates of 75% when incidents are passed from 999 into the SPoA across West Yorkshire, with onward acceptance rates of between 55-70% for the three UCR teams using this model. The average acceptance rates for other UCR services in the YAS footprint are between 10-45%. Additionally, there is a steady increase in referral numbers into the three UCR teams – over 20 per month in November 2021 compared to over 140 per month in February 2023. 		

Detailed guidance: 999 to UCR pathway (telephone/ ITK)

YAS: UCR model for Category 3&4



Additional information

An overview of challenges, solutions and principles areas should be aware of



Pre-determined code sets and automation

What is it?

- Pre-determined code sets refers to a list of codes (agreed locally among services) that can be sent from 999 to UCR by ambulance control room staff, without full clinical validation. Calls go through initial telephone triage and call coding (AMPDS or NHS Pathways) but are then quickly identified to staff for onward referral.
- Automation refers to the automatic referral of appropriate incidents (based on the pre-determined code set) without the need for staff to manually complete the referral. Currently, the EOE via the 'Cleric Digital Portal at EEAST' project are set to trial this concept in September 2023.

How is it beneficial?

• Pre-determined code sets and automation aim to improve referral efficiency due to fewer touch points, and ensure patients get to the right point of care quickly.

What needs to happen to make it a reality?

- A joint memorandum of understanding (MoU), operational policy or similar, should be developed and signed off by all parties involved in the 999 to UCR referral pathway. This should include governance and detail on patient safety netting arrangements within the pathway. The MoU could include a pre-determined code set.
- Cross-system engagement is key to maintaining patient safety and should include regular meetings. Setting up communication channels for daily touch-points Microsoft Teams Chat, Cleric Portal Chat (EEAST & WMAS) – is also recommended.
- Regular monitoring, auditing and sharing of referral data (i.e. referral numbers, acceptance rates, reasons for rejections and timeliness of referrals) should occur. This could involve reviewing recent data, missed opportunities, DATIX incidents and patient safety incidents:
 - EoE conducted 'Learning Lab' audits which investigated missed opportunities for UCR to accept calls that had been rejected. This was done in partnership across the region, with both UCR and ambulance providers in attendance. For more detail see <u>here</u>.
- Accurate and timely reporting should occur this will support audits, analysis and monitoring.

What are some good practice examples?

• Several ambulance services are already using locally agreed code sets. For more information, or to set up a call with a service who has agreed pre-determined code sets, please contact <u>england.ambulance@nhs.net</u> or <u>england.communitycare@nhs.net</u>.

Key challenges and principles for developing solutions

Challenge	Description	Principles
Data	 Inaccurate Community Services Data Set (CSDS) submissions impact data quality. There is a lack of standardisation across systems and teams (e.g. what constitutes a 2-hour UCR response, variance in capture of out of hospital activity, etc.). There are challenges regarding identifying all 999 activity as some activity is diverted to falls providers outside of an organisation or a specific UCR team. 	 Data sharing agreements must be in place between ambulance services and relevant teams, with the responsibility for arranging these shared across all partners (including the ICB). ICBs should work with their regional Urgent and Emergency Care/Digital teams to identify data quality issues and resolve them. This could include improving data recording and reporting to incorporate capture of UCR referrals from 999 separately to general CAS referrals. Where possible, insight on UCR referrals should be captured regarding learning from time of day/day of week, rejected referrals, key reasons for referral, and where referral was not possible due to service constraints/lack of specific service provision.
Inconsistency of offer for UCR teams within a system	 There are different referral acceptance times within a system. There are varying levels of skills (e.g. Advanced Clinical Practitioner training/availability, capability to respond to falls) and capacity among UCR teams. There is inconsistency among UCR teams regarding accepting referrals without GP/medical triage or C2C conversation. There is varied care home engagement for reducing 999 calls. 	 Have regular service to service conversations and enable the sharing of learning, good practice and discussions challenges and solutions through regional/local learning events (webinars, workshops, community of practice, etc.). See the following examples: 1) North West – <u>Learning Hours</u> and 2) East of England – <u>Learning Labs - missed opportunity audits</u> (from rejected 999 to UCR referrals). Work with NHSE Improvement and ambulance service colleagues to develop data requirements around rejected cases from 999. Share good practice regarding care home support for alternatives to 999 pathways.

Key challenges and principles for developing solutions

Challenge	Description	Principles
Ambulance reporting requirements	 Ambulance services are required to report on various standards, indicators and measures as part of Ambulance Quality Indicator (AQI) reporting. An issue was raised to NHSE regarding the recording of referrals sent through to alternative care providers via 999 without clinical validation taking place in the ambulance control room – how should this activity be recorded and does it meet the definition of a 999 hear & treat (H&T)? 	 Ambulance control centre advice does not need to be clinical, it can be as a result of triage only that closes a call or refers to another service is counted as H&T. H&T is counted as 'A17: non face to face' (i.e. H&T) divided by total incident count (A7). If the case is picked up by a UCR team from either a direct referral or via a 'portal', it counts as H&T. If a case sits on the portal and either is 'not accepted' or 'times out', it is returned to the EOC stack for one of the following: EOC clinical validation, and/ or referral to another service (counts as H&T) Ambulance response (which could either count as See and Treat or See and Convey)
Communication/ lack of awareness of UCR service	 There is varying confidence from primary care providers regarding the ability of UCR teams to defer/manage a 999 call. There are different levels of knowledge of UCR by crews on the scene, including the speed and ability for UCR teams to respond to a need. Awareness of UCR services by pathway partners (e.g. SDEC, ED, Urgent Treatment Centres) varies. 	 Support systems to communicate their UCR offer. Ensure cross-organisational education occurs across services. Engage with wider teams on the pathway. Have shared oversight of community urgent caseload. Establish links with clinical leads at ambulance services. Define a UCR and 999 strategy that aligns to relevant regional and national strategies as well as the wider strategy for alternative pathways to ED.
Variability of Single Point of Access (SPOA)	 There is a lack of a standardised pathway to access UCR. There are varying levels of SPoA maturity and clinical oversight. There are multiple SPoA opportunities (e.g. CAS/Care Co-ordination Centre, etc.) 	 Support systems through critical challenge to ensure the use of one SPoA for accessing community services. Define what good looks like for a SPoA.



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