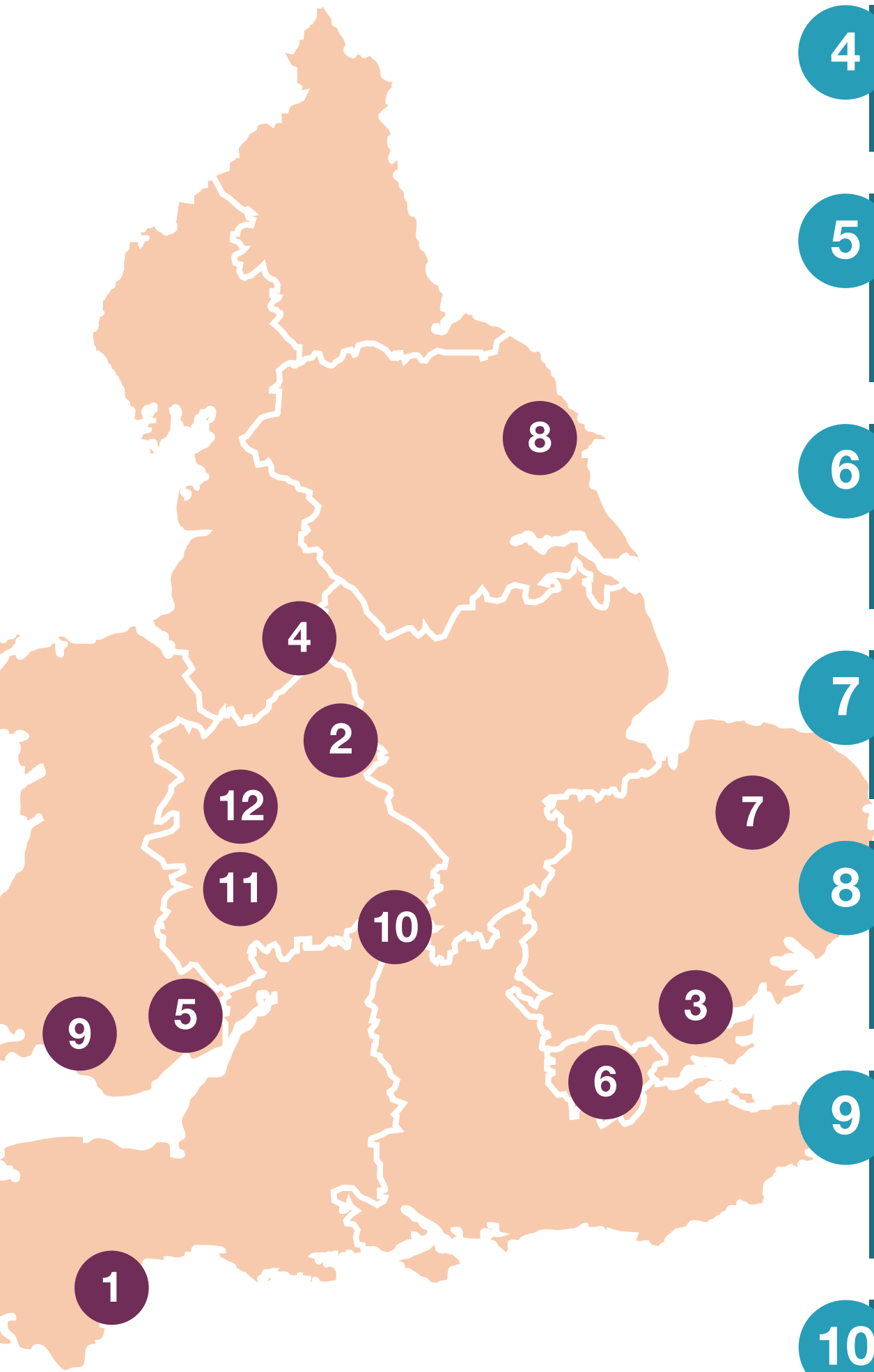


Geographical Overview of XR use by Police in England and Wales

First RespondXR is a SPRITE+-funded project which aims to map the social, ethical, technical, and legal vulnerabilities associated with the use of Extended Reality (XR) technology for police training.



4 Greater Manchester Police (GMP)
Introduced a VR training pilot to help officers understand and empathise with hate crime victims⁴

5 Gwent Police
Used a 280 degree screen to create fully immersive training for police officers on how to deal with domestic abuse cases⁵

6 Metropolitan Police Service
Use VR training for domestic violence response,⁶ terrorism awareness, investigative skills, racial bias awareness and drone familiarisation⁷

7 Norfolk Fire and Rescue
Created a 360-degree “simulated car crash experience” to educate drivers about road safety⁸

8 Northumbria Police
Developed VR games using head-mounted displays to assist the public in identifying vulnerable people in different contexts¹⁰

9 South Wales Police
Developed several VR scenarios to familiarise officers with different contexts (custody, house entry and tactical pursuits)¹⁰

10 Warwickshire Police
Launched a project using individual headsets to show a 360 degree film with young people to discuss around underage drinking and personal safety¹¹

11 West Mercia
Developed a VR mobile application for 17-25 year olds on road safety and peer pressure¹²

12 West Midlands Police
Developed a house simulation, interactive carpark and VR film to education the public on crime prevention¹³

1 Devon and Cornwall Police
Investigating CSI training application¹

2 Derbyshire Constabulary
Trialled a taser training application²

3 Essex Police
Trialled a VR system for firearms training, including through a free-roam exercise³

1 Open Innovation Team, 'Virtual Reality in Police Training: Rapid Review', 2022.
2 BBC Click, AVRT BBC Click Episode, YouTube, 2021
<https://www.youtube.com/watch?v=59B5Z0rTBDU&ab_channel=AVRTTraining>; Mark Dugdale, 'AVRT Platform Takes Training to a Whole New Level', Virtual Reality World Tech, 19 August 2020
<<https://vrworldtech.com/2020/08/19/avrt-platform-takes-training-to-a-whole-new-level/>>; Derbyshire Constabulary, 'Derbyshire Police Trialling Cutting Edge Virtual Reality Training Tool' (Derbyshire Constabulary, 2020)
<<https://www.derbyshire.police.uk/news/derbyshire/news/news/forcewide/2020/august/derbyshire-police-trialling-cutting-edge-virtual-reality-training-tool/>>.
3 'AVRT Set up Possibly the Largest Free-Roam VR Training System in the UK' (AVRT, 2021)
<<https://avrt.training/avrt-set-up-possibly-the-largest-free-roam-vr-training-system-in-the-uk/>>.
4 Josie Le Vay, 'We Tried on the VR Goggles Manchester Police Are Using to Train 2,000 Officers in Tackling Hate Crime', Manchester Evening News, 18 August 2021
<<https://www.manchestereveningnews.co.uk/news/greater-manchester-news/tried-vr-goggles-manchester-police-21335451>>; 'Greater Manchester Police Officers given Virtual Reality Training around Hate Crime', ITV News, 18 August 2021
<<https://www.itv.com/news/granada/2021-08-18/gmp-officers-to-virtual-reality-training-around-hate-crime>>.
5 'Police Use Virtual Reality to Help Tackle Domestic Abuse', BBC News, 19 February 2018
<<https://www.bbc.co.uk/news/av/uk-wales-43121253>>; 'UK Police Force Launches The First Virtual Reality Training Program' (AR Post, 2018)
<<https://web.archive.org/web/20210505211618/https://arpost.co/2018/03/08/uk-police-force-launches-first-virtual-reality-training-program/>>.
6 Antser, 'Antser Partners with Met Police to Increase Responsiveness to Domestic Abuse Incidents through the Use of Innovative VR Technology', 2021
<<https://www.antser.com/antser-partners-with-met-police-to-increase-responsiveness-to-domestic-abuse-incidents-through-the-use-of-innovative-vr-technology/>>; Paul Jacques, 'Virtual Insight into Domestic Abuse', Police Professional, 16 December 2021
<<https://www.policeprofessional.com/feature/virtual-insight-into-domestic-abuse/>>.
7 Open Innovation Team.
8 Paul Jacques, 'Virtual Reality Drives Home Crash Consequences', Police Professional, 12 July 2017
<<https://www.policeprofessional.com/news/virtual-reality-drives-home-%C2%91crash-consequences%C2%92-2/>>.
9 'Force to Use State-of-the-Art Technology to Teach Public about Vulnerability' (Northumbria Police, 2019)
<<https://beta.northumbria.police.uk/latest-news/2019/august/force-to-use-state-of-the-art-technology-to-teach-public-about-vulnerability/>>; 'It Could Be Important' (Pocket Sized Hands, 2019)
<<https://pocketsizedhands.com/our-work/itcouldbeimportant/>>.
10 Open Innovation Team.
11 Warwickshire Police, 'New Virtual Reality Headsets Launched to Help Young People Understand Issues Affecting Them' (Warwickshire Police, 2020)
<<https://www.warwickshire.police.uk/news/warwickshire/news/2020/march/new-virtual-reality-headsets-launched-to-help-young-people-understand-issues-affecting-them/>>.
12 'Green Light Safety App (Drive VR)' (The Road Safety Trust)
<<https://www.roadsafetytrust.org.uk/projects-option-2/west-mercias-police>>; 'DriveVR', DriveVR
<<https://drivevr.co.uk/>>.
13 Mark Dugdale, 'VR Proves Impactful in Educating Young People about Dangers of Knife Crime', Virtual Reality World Tech, 19 July 2021
<<https://vrworldtech.com/2021/07/19/vr-proves-impactful-in-educating-young-people-about-dangers-of-knife-crime/>>; Taylor Rooke, 'West Midlands Police Using Virtual Reality to Tackle Gang Violence', Birmingham Updates, 21 September 2020
<<https://www.birminghamupdates.com/west-midlands-police-using-virtual-reality-to-tackle-gang-violence/>>; 'Interactive Car Park Helps Combat Vehicle Crime' (West Midlands Police, 2021)
<<https://west-midlands.police.uk/news/interactive-car-park-helps-combat-vehicle-crime>>; 'House Discloses Crime Prevention Tips as Part of West Midlands Police Anti-Burglary Campaign' (Secured By Design, 2019)
<<https://www.securedbydesign.com/about-us/news/house-discloses-crime-prevention-tips-as-part-of-west-midlands-police-anti-burglary-campaign>>; Kelly Harris, 'Virtual Reality Crime Scene Launched to Help Residents Beat Burglars', Dudley News, 1 October 2018
<<https://www.dudleynews.co.uk/news/16952737.virtual-reality-crime-scene-launched-help-residents-beat-burglars/>>.