

# Drugs Research in Scotland

## Scoping Review

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## Background

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This scoping exercise was commissioned in March 2016 by the Substance Misuse Unit<sup>1</sup>, Scottish Government, to capture information about current research and service evaluations in drugs use/misuse in Scotland. The aim was to provide an overview of current (up until May 2016), recently completed (post 2014) and, in a small number of cases, soon to start projects. There is a focus on drugs – not alcohol – and the scope is inclusive of research on Blood-Borne Viruses (BBV).

## Approach

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The definition of research was broad and aimed to capture PhD, MSc, and formally commissioned work. The work was carried out by Dr Tessa Parkes and supported by Dawn Mahal, Faculty of Health Sciences and Sport, University of Stirling. It was desk-based and involved contacting people in organisations that undertake research, such as NHS Health Boards and Scottish Drugs Forum, as well as universities and independent research companies.

Projects have not been designated as either research or service evaluations as the aim was to be inclusive of all relevant work taking place. Projects have been grouped by themes reflecting the new Drugs Advisory Landscape, and an additional theme relating to drug policy:

- [Improving the quality of services for substance misuse](#)
- [Reducing drug death and harm](#)
- [Building recovery-centred communities and reducing stigma](#)
- [Drug policy](#)

Where the projects address the themes of prevention, harms, recovery and families, which are set out in the Scottish National Research Framework for Problem Drug Use and Recovery<sup>2</sup>, this has also been indicated. Some projects are labelled with more than one theme.

## Updates

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Reflecting on-going changes in the research field, this document can only provide a snapshot of current work at a specific point in time (in this case, up to May 2016). Those undertaking research or service evaluation in drugs use/misuse in Scotland are encouraged to provide updates on any new projects by contacting: [isla.wallace@gov.scot](mailto:isla.wallace@gov.scot)

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<sup>1</sup> Previously the Drugs Policy Unit

<sup>2</sup> Scottish Government (2015) Scottish National Research Framework for Problem Drug Use and Recovery, available at: <http://www.gov.scot/Resource/0048/00487035.pdf>

## Improving the quality of services for substance misuse

Theme and sub-theme	Title	Purpose	Methods	Who by	Start date /status	Funding	More info available & contact
<b>Quality of services</b>  <b>Recovery</b>	Community pharmacy-based opiate substitution treatment (OST) and related health services: a study of 508 patients and 111 pharmacies	Aim of study was to obtain OST patients' views of the services they received in community pharmacies and to use the findings to monitor and improve services	Patient completed semi-structured questionnaire and pharmacists provided summary statistics relating to OST provision	Addiction Services, NHS GGC, Researcher Dr Carole Hunter	Started 11/10  Completed 11/15	NHS Greater Glasgow and Clyde	Laird, A., Hunter, C., Sardar, C. M., Fitzgerald, N. M., and Lowrie, R. (2016) Community pharmacy-based opiate substitution treatment and related health services: a study of 508 patients and 111 pharmacies. <i>Journal of Public Health</i> , 24(3), pp. 193-207. <a href="http://link.springer.com/article/10.1007%2Fs10389-016-0714-y">http://link.springer.com/article/10.1007%2Fs10389-016-0714-y</a> (not open access)  Email Dr Hunter for copy:  <a href="mailto:carole.hunter@ggc.scot.nhs.uk">carole.hunter@ggc.scot.nhs.uk</a>
<b>Quality of services</b>  <b>Recovery</b>	Community pharmacy services for drug misusers in Scotland over two decades	National data on community pharmacy involvement	Cross sectional population survey  Comparison with three previous surveys	Aberdeen University, Dr Catriona Matheson, Prof Christine Bond	Completed April 2015	Chief Scientist Office	Contact:  <a href="mailto:cmathesonbusiness@gmail.com">cmathesonbusiness@gmail.com</a>
<b>Quality of services</b>  <b>Recovery</b>	Study of depot buprenorphine product	1 year prospective study of patients previously stabilised on	Cohort study	Dundee University, Researcher Dr Brian Kidd	Started 01/16  Ongoing, completion due 01/17	Braeburn Pharmaceuticals	Contact:  <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>

		buprenorphine or starting on buprenorphine OST					
<b>Quality of services</b> <b>Recovery</b>	Changes in substance use and risk behaviours four years after treatment	To measure the changes in outcomes of a cohort of patients admitted to the Lothians and Edinburgh Abstinence Programme in 2009. Capturing changes in substance use, health and social wellbeing, the relationships between employment, voluntary work and mutual aid in recovery	Longitudinal cohort study	McMillan Rome Ltd. Researcher Andrew Rome	Started 2009  Completed 2014	Scottish Government and NHS Lothian	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	A review of short term respite, rehabilitation and detox services for people with substance	To provide evidence to support the redesign of a range of services that require a residential	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started and completed 06/2016	NHS Lothian	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>

	misuse and BBV problems in Lothian	aspect for people with substance misuse and BBV problems in Lothian					
<b>Quality of services</b> <b>Recovery</b>	The development of an integrated approach to the delivery of substance misuse services in Fife	An exploration of the role of treatment within a Recovery Oriented Systems of Care (ROSC) and identify liaison needs	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started 12/15  Completed 03/16	Fife Alcohol and Drugs Partnership	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	Needs assessment of drug and alcohol problems in Forth Valley	To support the future planning and provision of services for people affected by substance misuse	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started 11/15  Completed 02/16	Forth Valley Alcohol and Drugs Partnership	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	Evaluation of the Portland Street Recovery House	To observe and report on the dynamic relationships between residents and support staff within the context of an 'Oxford House' model	Observational study	McMillan Rome Ltd. Researcher Andrew Rome	Started 10/13  Completed 04/16	NHS Lothian	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>

<b>Quality of services</b> <b>Recovery</b>	Review of young people's substance misuse services in Stirling and Clackmannanshire	Independent review of the substance misuse service provision for young people across Stirling and Clackmannanshire as well as an assessment of need	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started 05/15  Completed 02/16	Stirling & Clackmannanshire Alcohol & Drugs Partnerships	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	Needs assessment of drug and alcohol problems in Dumfries & Galloway	An assessment of current specialist drug/alcohol services and a health needs assessment of local needs/gaps	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started 04/15  Completed 08/15	Dumfries & Galloway Alcohol & Drugs Partnership	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	Argyll & Bute Alcohol and Drug Partnership - addictions consultancy: service user involvement strategy	The ADP are required to develop & support independent & geographically focused service user groups independent of services	Mixed methods	Figure 8 Consulting	Nov 2015  Ongoing, completion due Nov 2016	Argyll & Bute Alcohol and Drug Partnership	Contact:  <a href="mailto:donna@f8c.co.uk">donna@f8c.co.uk</a>

<b>Quality of services</b> <b>Recovery</b>	West Dunbartonshire alcohol and drugs needs assessment and gap analysis	Work will be used to inform future procurement of the treatment and recovery system	Mixed methods	Figure 8 Consulting	Mar 2016  Ongoing, completion due Dec 2016	West Dunbartonshire Alcohol and Drug Partnership	Contact:  <a href="mailto:donna@f8c.co.uk">donna@f8c.co.uk</a>
<b>Quality of services</b> <b>Recovery</b>	Evaluation of Stakeholder Views (primary, secondary and staff) of Addiction Services (NHS and Local Authority) in North Ayrshire	To collate and analyse the views of partners, commissioners and staff to inform service redesign in the move towards an integrated addiction service.	Mixed methods	North Ayrshire Health and Social Care Partnership Change and Improvement Team	Started Sept 2015  Completed Mar 2016	North Ayrshire Health and Social Care Partnership	Contact:  <a href="mailto:JohnBurns@north-ayrshire.gcsx.gov.uk">JohnBurns@north-ayrshire.gcsx.gov.uk</a>
<b>Quality of Services</b> <b>Recovery</b>	The Recovery Capital Questionnaire (RCQ): An Exploration of the Reliability and Validity of a Measure of Addiction Recovery Capital	To provide a validated and reliable assessment tool to facilitate the assessment of recovery capital	Development of assessment tool	John Burns, PhD Student, University of Stirling  Supervisor: Rowdy Yates	Started 2014 as part-time PhD.  Ongoing, completion due 2017/18	North Ayrshire Council	Burns, J and Marks, D,. (2013) Can Recovery Capital Predict Addiction Problem Severity, Alcohol Treatment Quarterly, 31 (3), 303-320. Available at: <a href="http://www.tandfonline.com/doi/abs/10.1080/07347324.2013.800430?journalCo">http://www.tandfonline.com/doi/abs/10.1080/07347324.2013.800430?journalCo</a> (not open access).  Contact <a href="mailto:John.burns@stir.ac.uk">John.burns@stir.ac.uk</a>

<b>Quality of services</b> <b>Families</b>	Behavioural Couples Therapy (BCT) as an adjunct to opioid substitution therapy for drug dependent patients	Feasibility study to test BCT for drug dependent parents and their children	Mixed methods	Multiple Scottish, English and USA universities (lead Edinburgh Napier University /ENU, Dr Anne Whittaker)	Started Mar 2016  Ongoing, completion due 12/17	Chief Scientist Office (CSO)	Contact:  <a href="mailto:a.whittaker@napier.ac.uk">a.whittaker@napier.ac.uk</a>
<b>Quality of services</b> <b>Families</b>	Improving outcomes for children and families affected by paternal substance misuse: A feasibility study of the Parents Under Pressure (PuP) Programme for Fathers	Feasibility study to test PuP for drug dependent parents and their children	Mixed methods	Multiple Scottish, English and Australian Universities (lead ENU, Dr Anne Whittaker)	Proposed start date January 2017 with completion Jan 2019	Waiting to hear about funding – NIHR proposal	Contact:  <a href="mailto:a.whittaker@napier.ac.uk">a.whittaker@napier.ac.uk</a>
<b>Quality of services</b> <b>Families</b>	Intervention to support breastfeeding for substance-dependent women	How effective are, and what is the level of maternal satisfaction with, interventions supporting	Feasibility mixed methods study	Robert Gordon University, PhD researcher Sonya MacVicar, Lead	Started 11/12  Ongoing, completion due 08/16	NHS Grampian	MacVicar, S & Wilcock, S. (2014). The effectiveness and maternal satisfaction of interventions supporting the establishment of breast-feeding for women from disadvantaged groups: a comprehensive systematic review protocol. <i>JBIC Database of</i>



		breast-feeding		supervisor Prof Tracy Humphrey, ENU			<i>Systematic Reviews and Impl. Reports</i> 11.8, 48-63. Available at <a href="https://www.researchgate.net/publication/270742398">https://www.researchgate.net/publication/270742398</a> <u>The effectiveness and maternal satisfaction of breast-feeding support for women from disadvantaged groups A comprehensive systematic review</u> (open access full text)  Contact: <a href="mailto:s.macvicar@rgu.ac.uk">s.macvicar@rgu.ac.uk</a>
<b>Quality of services</b> <b>Families</b>	Needs assessment for children and young people affected by substance misuse across Dumfries & Galloway	To inform the future commissioning of services to support children and young people affected by substance misuse	Mixed methods	McMillan Rome Ltd. Researcher Andrew Rome	Started 03/16  Ongoing, completion due 08/16	Dumfries & Galloway Alcohol & Drugs Partnership	Contact:  <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Quality of services</b> <b>Families</b>	Attitude and impact assessment and mapping of specialist services for young people affected by alcohol and drug misuse across Aberdeenshire	Part of a wider project to inform future investment priorities to the Alcohol, Drug and BBV Fora in Aberdeenshire	Mixed methods	Figure 8 Consulting	Nov 2013  Completed Dec 2015	Aberdeenshire Alcohol, Drug and BBV Fora	Contact:  <a href="mailto:donna@f8c.co.uk">donna@f8c.co.uk</a>

<b>Quality of services</b> <b>Families</b>	Substance misuse staff perspectives on implementing family involvement in the treatment of people with drug & alcohol problems	Exploratory, Student project (MSc)	Mixed methods – questionnaires and focus groups	NHS Lothian Substance Misuse Directorate, MSc researcher Michael Chitehwe (Glasgow University, STRADA)	Started Sept 2014  Completed Sept 2015	Part-funded by the Society for the Study of Addiction and NHS Lothian	Contact:  <a href="mailto:Michael.Chitehwe@nhslothian.scot.nhs.uk">Michael.Chitehwe@nhslothian.scot.nhs.uk</a>
<b>Quality of services</b> <b>Recovery</b> <b>Prevention</b>	Defining and improving prevention and recovery through better substance misuse outcomes	Improving outcomes  Part of a wider programme to provide support to define & improve prevention and recovery through better substance misuse outcomes in Dundee	Mixed methods	Figure 8 Consulting	April 2015  Completed Dec 2015	Dundee Alcohol and Drug Partnership	Contact:  <a href="mailto:donna@f8c.co.uk">donna@f8c.co.uk</a>
<b>Quality of services</b>	Benzo-diazepines and Z-drugs prescribing pattern over the time	To examine the prescribing pattern of benzo-diazepines and z-drugs over	Longitudinal cohort study using mixed methods, largely quantitative	Academic Primary Care, Aberdeen University, PhD	Started 01/16	PhD studentship	Contact:  Hadah Alkhalidi <a href="mailto:R01hma16@abdn.ac.uk">R01hma16@abdn.ac.uk</a>

	among the children of the nineteen fifties cohort	the time for the same population in line with the current guidelines, and to examine the association with early life, social mobility, socio-economic and health status	with some qualitative interviews planned	researcher Hadah Alkhaldi, Supervisors Dr Lisa Iversen, Professor Corri Black, Dr Catriona Matheson			
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## Reducing drug death and harm

Theme and sub-theme	Title	Purpose	Methods	Who by	Start date / status	Funding	More info available & contact
<b>Harms</b>	Analytical research on the effectiveness of services to prevent, diagnose and treat BBV in Scotland	Use data collected as part of the Scottish Government's Sexual Health and BBV Framework	Quantitative	Glasgow Caledonian University, Researcher Prof Sharon Hutchinson	Started 2015  Ongoing, completion due 2020	Funded by Health Protection Scotland, 2015-2020	Contact:  <a href="mailto:Sharon.Hutchinson@gcu.ac.uk">Sharon.Hutchinson@gcu.ac.uk</a>
<b>Harms</b>	Needle Exchange Surveillance Initiative (NESI)	Aims to measure and monitor the prevalence of the Hepatitis C virus and injecting risk behaviours among people who inject drugs in Scotland	Quantitative	UWS / Health Protection Scotland	Started 2008  Ongoing	Scottish Government	Contact:  <a href="mailto:Avril.Taylor@uws.ac.uk">Avril.Taylor@uws.ac.uk</a> <a href="mailto:Sharon.Hutchinson@gcu.ac.uk">Sharon.Hutchinson@gcu.ac.uk</a> <a href="mailto:David.goldberg2@nhs.net">David.goldberg2@nhs.net</a>
<b>Harms</b>	Assessing the impact and cost-effectiveness of needle/ syringe provision on Hep C transmission among people who inject drugs	Drug injecting and Hep C	Quantitative analysis of pooled datasets and economic modelling	GCU, Lead Researcher Dr Lucy Platt from London School of Hygiene and Tropical Medicine with Prof Sharon Hutchinson	2013  Ongoing, completion due 2016	NIHR	Contact:  <a href="mailto:Sharon.Hutchinson@gcu.ac.uk">Sharon.Hutchinson@gcu.ac.uk</a>

<b>Harms</b>	An exploration of the ethical paradigm and effect of knowledge of Hepatitis C Virus infection status on risk behaviour in injecting drug users, Shetland: a qualitative study	To explore the ethical dimension and effect of knowledge of Hepatitis C Virus status on risk taking behaviour in Injecting (heroin) drug users in the Shetland Islands	Qualitative exploration	NHS Shetland/ Aberdeen University, PhD researcher Wendy Hatrick	November 2015	NHS Shetland	Contact: <a href="mailto:Wendy.hatrick@nhs.net">Wendy.hatrick@nhs.net</a>
<b>Harms</b>	A review and investigation of international responses to street injecting	To conduct a rapid review of international literature on responses to the problems associated with public injecting in other cities around the world	Literature review	McMillan Rome Ltd. Researcher Andrew Rome	Started 03/15 Completed 05/15	Glasgow City Alcohol & Drugs Partnership	Contact: <a href="mailto:andrew@mcmillanrome.co.uk">andrew@mcmillanrome.co.uk</a>
<b>Harms</b>	Leg ulceration in young people who inject drugs	To determine prevalence of leg ulceration within young drug users	Sequential explanatory mixed methods	Stirling University, PhD researcher Alison Coull	Started 2006  Completed 2016	Smith and Nephew Foundation / Stirling University	Coull, A. (2015) The role of intravenous drug use in venous leg ulceration. <i>British Journal of Nursing</i> , Tissue Viability Suppl, 24 November S1.  Coull, A.F. Atherton, I. Taylor, A and Watterson, A.E. (2014) Prevalence of skin problems and

							leg ulceration in a sample of young injecting drug users. <i>Harm Reduction Journal</i> , 11:22, available at: <a href="http://harmreductionjournal.biomedcentral.com/articles/10.1186/1477-7517-11-22">http://harmreductionjournal.biomedcentral.com/articles/10.1186/1477-7517-11-22</a>  Contact: <a href="mailto:alison.coull@stir.ac.uk">alison.coull@stir.ac.uk</a>
<b>Harms</b>	Foil provision and route transition Interventions	Supplying foil to reduce injecting, incidence, prevalence & health related risks	Service evaluation Patient interviews	Glasgow University, MSc researcher MaryClare Madden	Started 2016  Ongoing	NHS Greater Glasgow and Clyde Addiction Services	Contact:  <a href="mailto:Maryclare.madden@ggc.scot.nhs.uk">Maryclare.madden@ggc.scot.nhs.uk</a>
<b>Harms</b>	Understanding the prevalence, motives and harms of New Psychoactive Substance (NPS) use in Scotland	Increase understanding of NPS use amongst vulnerable groups	Mixed methods-qualitative interviews and survey of NPS users and staff	Scottish Drugs Forum (Katy MacLeod) and Glasgow University (Lucy Pickering/ Maria Gannon)	Started 6/2015  Ongoing, completion due Sept 2016	Scottish Government	Contact:  <a href="mailto:enquiries@sdf.org.uk">enquiries@sdf.org.uk</a> <a href="mailto:katy@sdf.org.uk">katy@sdf.org.uk</a> <a href="mailto:Lucy.Pickering@glasgow.ac.uk">Lucy.Pickering@glasgow.ac.uk</a>
<b>Harms</b>	Use of Novel Psychoactive Substances (NPS) by inpatients on general psychiatric wards	NPS use mentioned in discharge letters – primary outcome measure	Cross-sectional survey	NHS Lothian, Jack Stanley, Daniel Mogford, Rebecca Lawrence and Stephen	Completed	No specific grant	Available at: <a href="http://bmjopen.bmj.com/content/6/5/e009430.full.pdf+html">http://bmjopen.bmj.com/content/6/5/e009430.full.pdf+html</a> (open access)  Contact: <a href="mailto:Rebecca.Lawrence@nhslothian">Rebecca.Lawrence@nhslothian</a>

		All adult inpatients (18-65) discharged from general psychiatric wards between 1 <sup>st</sup> July and 31 <sup>st</sup> December 2014		Lawrie			<a href="http://scot.nhs.uk">scot.nhs.uk</a>
<b>Harms</b>	Test for change - New Psychoactive Substances	To gather information on NPS use and injecting patterns in Lothian in response to an increase in the injection of ethylphenidate	Survey	NHS Lothian, Researcher Alison Coull Specialist Nurse (Wound Care)	Started 06/15 Completed 11/15	NHS Lothian	Smith, L. Lafferty, C. Coull, A. and Shanley J. (2015) <i>The experience of an increase in the injection of ethyphenidate in Lothian</i> , April 2014 – March 2015. Report to SMD NHS Lothian. May 2015  Lafferty, C. Smith, L. Coull, A. and Shanley J. (2016) The experience of an increase in the injection of ethyphenidate in Lothian, April 2014 – March 2015. <i>Scottish Medical Journal</i> May 16, 2016, available at: <a href="http://scm.sagepub.com/content/early/2016/05/12/0036933016649871.full">http://scm.sagepub.com/content/early/2016/05/12/0036933016649871.full</a> (not open access)  Contact:  <a href="mailto:alison.coull@stir.ac.uk">alison.coull@stir.ac.uk</a>
<b>Harms</b>	The prevalence and harms of New	Determine the prevalence of psychoactive	Literature review, analysis of	SGSSS Internship, Researcher	Started 08/14	Scottish Government	Gillies, Allan, with contributions from Wallace, Isla, (2015) <i>Closing Evidence Gaps on the</i>

	Psychoactive Substances in Scotland	substances	survey data, interviews with key stakeholders	Allan Gillies	Completed 12/14		<p><i>Prevalence and Harms of New Psychoactive Substances in Scotland</i>, Justice Analytical Services, Scottish Government. Available at: <a href="http://www.gov.scot/Topics/Research/by-topic/crime-and-justice/publications/prevnewNPS">http://www.gov.scot/Topics/Research/by-topic/crime-and-justice/publications/prevnewNPS</a></p> <p>Gillies, Allan (2015), 'Mapping Current and Potential Sources of Routine Data Capture on New Psychoactive Substances in Scotland', Justice Analytical Services, Scottish Government Available at: <a href="http://www.gov.scot/Topics/Research/by-topic/crime-and-justice/publications/psysubmap">http://www.gov.scot/Topics/Research/by-topic/crime-and-justice/publications/psysubmap</a></p> <p>Contact: <a href="mailto:isla.wallace@gov.scot">isla.wallace@gov.scot</a></p>
<b>Harms</b>	Investigating the prevalence of New Psychoactive Substances use in the forensic psychiatry population of the West of Scotland	Expand knowledge in this area	Anonymised screening of urine samples	NHS GGC, Researcher Dr Richard Stevenson	2015 Ongoing, completion due 06/16	Scottish Government	Contact: <a href="mailto:richard.stevenson@nhs.net">richard.stevenson@nhs.net</a>
<b>Harms</b>	Prolonged or problematic iatrogenic opioid	Assessment of development of problematic	Cohort study	Dundee University, Dr Brian Kidd,	Started 12/15	Indivior	Contact: <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>



	use following surgery	opioid use and development of predictive model Surgical patients		Dr Keith Matthews & Dr Craig Heath (NHS Lanarkshire)	Ongoing, completion due end of 2017		
<b>Harms</b>	Non-prescription medicine (NPM) misuse, abuse and dependence in the UK	To determine the prevalence of non-prescription medicine misuse, abuse and dependence in the UK and identify the barriers and enablers to seeking, and providing, treatment for NPM dependence	Mixed methods	Aberdeen University, PhD researcher Niamh Fingleton	Started 01/10/12  Ongoing, completion due 30/06/16	Society for the Study of Addiction (PhD studentship)	Fingleton, N., Watson, MC., Duncan, EM. & Matheson, C. (2016). Non-prescription medicine misuse, abuse and dependence: a cross-sectional survey of the UK general population. Journal of Public Health DOI: 10.1093/PUBMED/FDV204 available at: <a href="http://jpubhealth.oxfordjournals.org/content/early/2016/01/19/pubmed.fdv204.long">http://jpubhealth.oxfordjournals.org/content/early/2016/01/19/pubmed.fdv204.long</a> (full text open access)  Contact:  <a href="mailto:n.fingleton@abdn.ac.uk">n.fingleton@abdn.ac.uk</a>
<b>Harms</b>	Prevalence of dependence on prescription opiate analgesics	To determine prevalence across the UK GP population and conduct an economic analysis	Quantitative	Independent Research Company, Researcher Dr Catriona Matheson	Started 06/16  Ongoing, 03/17	University of Sheffield and Indivior	Contact:  <a href="mailto:cmathesonbusiness@gmail.com">cmathesonbusiness@gmail.com</a>
<b>Harms</b>	Systematic review of tools to assess risk of analgesic misuse	Exploratory, Student project (MSc)	Systematic review	NHS Lothian Substance Misuse Directorate,	Current, completion date not known	N/A	Contact:  <a href="mailto:Rebecca.Lawrence@nhslothian.scot.nhs.uk">Rebecca.Lawrence@nhslothian.scot.nhs.uk</a>

				Researcher Dr Rebecca Lawrence, Supervisor Dr Lesley Colvin			
<b>Harms</b>	Anabolic steroid use – internet research project	MSc project	Mixed methods	NHS Lothian Substance Misuse Directorate, Researcher Dr Joe Tay with Glasgow University (STRADA)	Ongoing, completion due Sept 2016	N/A	Contact:  <a href="mailto:joe.tay@nhslothian.scot.nhs.uk">joe.tay@nhslothian.scot.nhs.uk</a>
<b>Harms</b>	Cardiac risk and methadone treatment	Using informatics to explore links between underlying cardiac risk and drug death and then screening patients in prospective cohort study	Prospective cohort study	Dundee University, Dr Brian Kidd, Dr Keith Matthews (with Profs. Chim Lang, Anna Choy and Alan Struthers)	About to start	Not yet in place	Contact:  <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>
<b>Harms</b>	Death in comorbid epilepsy and opiate dependence	Aim to clarify incidence of death & relative risk in Scottish cohort using informatics of deaths in patients	Population- based study	Dundee University, Dr Brian Kidd, Dr Craig Health, Dr Keith Matthews, NHS Tayside	Start date 5/16	TENOVUS	Contact:  <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>

		experiencing comorbid epilepsy/ opiate dependence					
<b>Harms</b>	Informatics-based study of death associated with hazardous activities: comparing three cohorts - suicides, drug deaths and others	Aim to determine feasibility of using existing data - from multiple sources - to predict death  Suicides, drug deaths and others	a. Systematic review of the literature b. Retrospective cohort study of three cohorts over 10 years. c. Predictive modelling using regression analyses	Dundee University, Dr Brian Kidd and Dr Keith Matthews	Started 11/14  Ongoing, completion due 11/17	Scottish Government Health Department and TENOVUS	Contact:  <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>
<b>Harms</b>	Informatics-based development of the study above	Compare clinical outcomes/cost effectiveness of buprenorphine/ methadone in Fife cohort over 2 years	Two year prospective cohort study comparing already identified cohorts (see above)	Dundee University, Dr Brian Kidd, Dr Alex Baldacchino, Dr Keith Matthews	Started 12/15  Ongoing, completion due end 2017	Indivior	Contact:  <a href="mailto:Brian.kidd@nhs.net">Brian.kidd@nhs.net</a>

<b>Harms</b>	Age-period-cohort (APC) analyses: drugs paper	Age-period-cohort analysis of Scottish deaths for specific causes, undertaken as part of testing of various hypotheses proposed to explain Scotland's 'excess' mortality. Drug-related deaths is one of the causes of deaths being looked at	Descriptive analyses, Shaded Contour Plots (lexis heatmaps), regression analysis, specifically intrinsic estimator APC analysis	NHS Health Scotland, Jane Parkinson with coauthors Jon Minton, Jim Lewsey and Janet Bouttell at Glasgow University and Gerry McCartney, NHS Health Scotland	April 2016	NHS Health Scotland core funding	Results will be written up for submission as a journal paper  Contact:  <a href="mailto:Jane.parkinson@nhs.net">Jane.parkinson@nhs.net</a>
<b>Harms</b>	Assessment of Northern European countries with high or increasing rates of drug-induced deaths	Relative assessment of drug-induced deaths  Comparison between countries	Comparative study	Health Protection Scotland, Researcher Andrew McAuley	Started 2016  Ongoing	EMCDDA	Contact:  <a href="mailto:Andrew.mcauley@nhs.net">Andrew.mcauley@nhs.net</a>
<b>Harms</b>	Investigating the role of benzodiazepines and z-hypnotics in drug-related mortality: A	Investigating role of specific substances in drug related mortality	Systematic review	NHS Health Scotland, Andrew McAuley (supervising PhD intern	Started 2015  Completed 2016	NHS Health Scotland	Report on ScotPHO website: <a href="http://www.scotpho.org.uk/publications/reports-and-papers/1803-investigating-the-role-of-benzodiazepines-in-drug-related-mortality">http://www.scotpho.org.uk/publications/reports-and-papers/1803-investigating-the-role-of-benzodiazepines-in-drug-related-mortality</a>

	systematic review			Christopher Johnson)			Contact: <a href="mailto:Andrew.mcauley@nhs.net">Andrew.mcauley@nhs.net</a>
<b>Harms</b>	A community approach to reducing drug-related deaths	Expand knowledge in this area	Action research	Stirling University, PhD researcher Andrew Rome	About to start	TBC	Contact: <a href="mailto:a.m.rome@stir.ac.uk">a.m.rome@stir.ac.uk</a>
<b>Harms</b>	The role of concurrent prescribing of opioids and benzodiazepines in drug-related death	Retrospective case-control study examining 12-month prescribing predictors of drug-related death	Informatics data linkage	Dundee University, Researcher Cassie Higgins	Ongoing – completion anticipated January 2011	TENOVUS	Contact: <a href="mailto:c.z.higgins@dundee.ac.uk">c.z.higgins@dundee.ac.uk</a>
<b>Harms</b>	Evaluating the impact of a national naloxone programme on ambulance attendance at overdose incidents: an interrupted time series analysis	Add to national naloxone programme	Quantitative	Health Protection Scotland, Researcher Andrew McAuley	Started 2016  Ongoing	NHS Health Scotland	Contact: <a href="mailto:Andrew.mcauley@nhs.net">Andrew.mcauley@nhs.net</a>
<b>Harms</b>	Lived experiences of take-home naloxone	Add to National naloxone programme	Interpretative Phenomenological Analysis	University of West of Scotland (UWS), PhD researcher Andrew McAuley	Started 2009  Ongoing, completion due 2016	UWS	Contact: <a href="mailto:Andrew.mcauley@nhs.net">Andrew.mcauley@nhs.net</a>

<p><b>Harms</b></p>	<p>The chemical and physical characterisation of illicit tablets and development of a statistical model to identify populations within the illegal supply chain</p>	<p>Aims to provide drug intelligence information that could assist the police in determining links between different seizures. This will be attempted through the measurement of certain physical and chemical characteristics of illicit tablets and the extraction of information from the data set to identify different populations</p>	<p>Quantitative</p>	<p>Abertay University, PhD researcher Prof David Bremner</p>	<p>Started 1/2014  Ongoing, completion due 6/17</p>	<p>Abertay, R-Lincs Project  Involves collaboration with Police Scotland, The Crown Office and Robert Gordon University</p>	<p>S. Bibi, D. H. Bremner, M. Macdougall-Heasman, R. Reid, K. Simpson, A. Tough, S. Waddell, I. J. Stewart and K. H. Matthews. (2015). A preliminary investigation to group disparate batches of licit and illicit diazepam tablets using differential scanning calorimetry DOI:10.1039/C5AY01711D <i>Anal. Methods</i> 7, 8597-8604, available at: <a href="http://pubs.rsc.org/en/content/articlelanding/2015/ay/c5ay01711d#!divAbstract">http://pubs.rsc.org/en/content/articlelanding/2015/ay/c5ay01711d#!divAbstract</a> (open access)</p> <p>This work has been presented at the <i>Scottish Student Forensic Research Symposium</i>, the <i>European Academy of Forensic Science Conference</i> in Prague and <i>International Society of Addiction Medicine Congress</i> in 2015.</p> <p>Contact: <a href="mailto:D.Bremner@abertay.ac.uk">D.Bremner@abertay.ac.uk</a></p>
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## Building recovery-centred communities and reducing stigma

Theme and sub-theme	Title	Purpose	Methods	Who by	Start date / status	Funding	More info available & contact
<b>Community &amp; needs</b>	Hepatitis C and its treatment: qualitative insights into the contemporary lived experience	Treatment of Hepatitis C	Qualitative (patient interviews)	ENU, PhD researcher David Whiteley, Supervisor Dr Anne Whittaker	Started 2014  Ongoing, completion due Feb 2017	Clinical Academic Research Careers (CARC) Programme, (NHS Lothian, Edinburgh Napier University, University of Edinburgh)	Whiteley, D., Elliott, L., Cunningham-Burley, S., & Whittaker, A. (2015). Health-Related Quality of Life for individuals with hepatitis C: A narrative review. <i>Int Journal of Drug Policy</i> , 26(10), 936-949, available at: <a href="http://www.ijdp.org/article/S0955-3959(15)00130-9/abstract">http://www.ijdp.org/article/S0955-3959(15)00130-9/abstract</a> (not open access)  Contact:  <a href="mailto:david.whiteley@nhs.net">david.whiteley@nhs.net</a>
<b>Community &amp; needs</b>	What are the future service needs and aspirations of older drug users?	To fill gap in knowledge in this area	Mixed methods interviewing 100 older drug users across Scotland	Independent Researcher, Dr Catriona Matheson	Started 10/15  Complete	Scottish Government via Scottish Drugs Forum	Contact:  <a href="mailto:cmathesonbusiness@gmail.com">cmathesonbusiness@gmail.com</a>
<b>Community &amp; needs</b>	Extent and nature of stigma towards people with drug dependence and people in recovery in Scotland	To investigate the extent/nature of stigma among the Scottish general public towards people with drug dependence & people in	Survey - data from a representative sample of the adult general public in Scotland (around 1,000 respondents)	Progressive Partnership, Ruth Bryan	Complete	Scottish Government	Full report available at: <a href="http://www.gov.scot/Publications/2016/06/4157">http://www.gov.scot/Publications/2016/06/4157</a>  Contact: <a href="mailto:info@progressivepartnership.co.uk">info@progressivepartnership.co.uk</a>  Contact in Scottish Government <a href="mailto:Frances.warren@gov.scot">Frances.warren@gov.scot</a>

		recovery. Compare with findings from 2011 survey to see if there has been change and provide a baseline representative sample of Scottish public opinion to track changes in attitudes over time					
<b>Community &amp; needs</b>	Building of a virtual centre for the study of hidden and marginalised populations	Available as an online resource  Hidden and marginalised communities and populations	Online resource to disseminate research on this topic	UWS, Researcher Dr Iain McPhee	May 2016  Ongoing	In discussion	Contact:  <a href="mailto:Iain.mcphee@uws.ac.uk">Iain.mcphee@uws.ac.uk</a>
<b>Community &amp; needs</b>	Exploring the experiences of service users' involvement in addiction services	This study uses qualitative methods to recruit service users in helping agencies who are former problematic drug users now working in addiction services	Qualitative methods utilising anti-oppressive research and encompassing a sensitivity to the process of 'othering' - the translation of difference into inferiority.	UWS, Researcher Dr Iain McPhee	Ongoing 2016	Participants now identified	Contact:  <a href="mailto:Iain.mcphee@uws.ac.uk">Iain.mcphee@uws.ac.uk</a>



			Interviews will be conducted with 30 drug workers who are former drug service users in Glasgow & Belfast				
<b>Community &amp; needs</b>	An ethnographic exploration of the substance use of young people living in temporary homeless accommodation	To investigate the subjective experiences of young homeless people's drug and alcohol use and to contextualise these within the nature of their living conditions.	Participant observation, interviews and focus groups with a total of 22 young people aged 16-21 and 27 staff members in the homeless hostel.	Jennifer Hoolachan, PhD researcher in the Faculty of Social Sciences, University of Stirling  Supervisor: Professor Isobel Anderson and Dr Ruth Emond	Started October 2011  Ongoing, completion due 10/16	Economic and Social Research Council	Hoolachan, J.E. (2016) <i>Ethnography and Homelessness Research</i> . International Journal of Housing Policy, vol. 16 (1), pp. 31-49. Available at: <a href="http://www.tandfonline.com/doi/full/10.1080/14616718.2015.1076625">http://www.tandfonline.com/doi/full/10.1080/14616718.2015.1076625</a> (open access)
<b>Community &amp; needs</b>	Social media, men who have sex with men, sexual and holistic health (SMMASH2)	Exploration of recreational drug use, 'chemsex', sexual, mental and psychological health amongst men who	Recruitment using social & gay specific socio-sexual media online and via smartphones in Scotland, Wales,	GCU, Researcher Dr Jamie Frankis	02/16  Ongoing, completion due 07/16	Greater Glasgow and Clyde and Lothian Health Authorities	Various reports focusing on the Scottish population as a whole have been commissioned by Greater Glasgow and Clyde and Lothian Health Authorities. Peer review publications in green and gold route open access international journals will be prepared in 2016/2017.

		have sex with men. Forms part of the 'Sexual Health and BBV' and 'Substance Use and Misuse' themes within the Institute of Applied Health at GCU	Northern Ireland and the Republic of Ireland. This is a repeated longitudinal survey and follows the SMMASH project (2013)				Collaborative outputs with existing sexual/mental/substance use work for MSM in England and Europe are also planned.  Contact: <a href="mailto:j.frankis@gcu.ac.uk">j.frankis@gcu.ac.uk</a>
<b>Community &amp; needs</b>	Scope literature to understand the health & treatment support needs of out of treatment drug users	Expand knowledge on this area and support needs of specific group	Literature review	NHS Health Scotland Public Health Advisor Elinor Dickie	04/16  Ongoing, completion estimated 10/16	NHS Health Scotland core funding	Contact: <a href="mailto:elinor.dickie@nhs.net">elinor.dickie@nhs.net</a>
<b>Community &amp; needs</b>	Exploring culture, identity and drug use among ethnic minorities in West of Scotland	Seeks to address what alcohol and drug use 'means' to ethnic minorities (exploration of criminalisation and stigma associated with the use of licit and illicit drugs), between sexes, and age	Semi-structured interviews with 30 drug users from BME groups were conducted. This study employed social constructionist interviewing, which is a dialogical	UWS, PhD researcher Linda Thomas, Supervisor Dr Iain McPhee	October 2013  Ongoing, completion due Oct 2016	University studentship	Contact: <a href="mailto:Linda.Thomas@uws.ac.uk">Linda.Thomas@uws.ac.uk</a>

		groupings as well as between other identities within and external to family groupings.	performance to co-facilitate knowledge exchanges.				
<b>Community &amp; needs</b>	Exploring the identity of social actors who 'deal' in illicit and illegal drugs in Glasgow and Derby: A case study	Exploratory case study	Qualitative	UWS, PhD researcher Lee Primrose, Supervisor Dr Iain McPhee	2015  Ongoing, completion due 2018	Not known	Contact:  <a href="mailto:Lee.Primrose@uws.ac.uk">Lee.Primrose@uws.ac.uk</a>
<b>Community &amp; needs</b>	Hidden populations of illicit and illegal drug users: exploring context and the resistance of 'othering' in Scotland	Exploratory, hidden populations	Qualitative	UWS, PhD researcher Karen Hammond, Supervisor Dr Iain McPhee	2014  Ongoing, completion due 2017	Not known	Contact:  <a href="mailto:karen.hammond@uws.ac.uk">karen.hammond@uws.ac.uk</a>
<b>Community &amp; needs</b>	Novel psychoactive substance users, online community engagement and the challenge to prohibitionist hegemony	Exploratory Novel psychoactive substance users	Mixed methods	UWS, PhD researcher Kieran Hamilton, Supervisor Dr Iain McPhee	2013  Ongoing, completion due 2016	Not known	Contact:  <a href="mailto:Kieran.Hamilton@uws.ac.uk">Kieran.Hamilton@uws.ac.uk</a>

<b>Community &amp; needs</b>	Views and Experiences of Darknet Market Users	Examines illicit drug sales and consumption over the darknet in order to understand the risks/ motivations for using the darknet to buy illicit drugs	Interviews and review of data scraped from darknet cryptomarkets	Edinburgh University, Researchers Angus Bancroft and Peter Scott Reid	Started 1/6/15  Ongoing	University of Edinburgh	Further information available at: <a href="http://www.sociology.ed.ac.uk/research/grants_and_projects/current_projects/views_and_experiences_of_darknet_market_users">http://www.sociology.ed.ac.uk/research/grants_and_projects/current_projects/views_and_experiences_of_darknet_market_users</a>  Contact:  <a href="mailto:Angus.Bancroft@ed.ac.uk">Angus.Bancroft@ed.ac.uk</a>
<b>Community &amp; needs</b>	Challenges associated with treating chronic pain in ORT populations	PhD	Informatics data linkage	Dundee University, PhD researcher Cassie Higgins, Lead supervisor Dr Brian Kidd	Ongoing – completion anticipated October 2017	Self-funded	Contact:  <a href="mailto:c.z.higgins@dundee.ac.uk">c.z.higgins@dundee.ac.uk</a>
<b>Community &amp; needs</b>  <b>Families</b>	Service user and service provider accounts of managing the risks & realities of Neonatal Abstinence Syndrome	Exploration of Neonatal Abstinence Syndrome	Exploratory, qualitative study involving in-depth interviews with parents and focus groups with professionals	Multiple Scottish universities (lead ENU Researcher, Dr Anne Whittaker)	Started 9/14  Completed 9/15	Edinburgh and Lothian Health Foundation (ELHF)	Contact:  <a href="mailto:a.whittaker@napier.ac.uk">a.whittaker@napier.ac.uk</a>
<b>Community &amp; needs</b>  <b>Families</b>	An exploration of how formal carers and looked after young people	Explore communication issues  Carers and	Qualitative interviews with young people and carers	Edinburgh Napier University PhD researcher,	Started 10/13  Ongoing, completion	ENU Fellowship	Contact:  <a href="mailto:J.Hanley@napier.ac.uk">J.Hanley@napier.ac.uk</a>

	communicate about alcohol, tobacco & drug use	young people		Hannah Carver, Supervisor Dr Janet Hanley	due 01/17		
<b>Community &amp; needs</b> <b>Families</b>	Interpersonal trauma, substance misuse and pregnancy	Exploration of substance misuse in pregnancy  Pregnant women and midwives in Scotland	Phenomenological exploration, in-depth interviews, IPA analysis	Edinburgh Napier University, PhD researcher Naomi Waddell, Supervisor Dr Anne Whittaker	Started 10/13  Ongoing, completion due 06/17	ENU Fellowship	Contact:  <a href="mailto:a.whittaker@napier.ac.uk">a.whittaker@napier.ac.uk</a>
<b>Community &amp; needs</b> <b>Families</b>	Understanding substance use and domestic abuse in Scotland: Exploring service providers and service users' perspectives	Exploratory Domestic abuse and substance abuse connections	Mixed methods design using qualitative and quantitative methods, using an adapted AAPPQ	UWS, PhD researcher Andrea Beavon, Supervisor Dr Iain McPhee	2013  Ongoing, completion due 2019	Not known	Contact:  <a href="mailto:andrea.beavon@uws.ac.uk">andrea.beavon@uws.ac.uk</a>
<b>Community &amp; needs</b> <b>Families</b>	Fatherhood and drugs – how men with problem opiate use experience fatherhood	Purpose is to explore opiate-using fathers' experiences of fatherhood on the background of inter-generational transmission of substance use,	Qualitative with semi-structured interviews	NHS Lothian Substance Misuse Directorate, DClinPsych researcher Luisa Frei (Edinburgh University)	Started May 2015  Ongoing, completion due 2016	NHS Education Scotland funds/ NHS Lothian & University of Edinburgh are sponsors	Contact:  (Luisa Frei ) <a href="mailto:s1370095@sms.ed.ac.uk">s1370095@sms.ed.ac.uk</a>

		parenting and adverse experience in their own childhood					
<b>Community &amp; needs Recovery</b>	Relevance and significance of spirituality in drug and alcohol addictions and recovery	Define the significance of spirituality in addictions and recovery from addictions	Qualitative, exploratory	Stirling University, PhD researcher Nick Fuller	Started 2012  Ongoing, part time, completion due 2017/8	Stirling University	Contact:  <a href="mailto:n.w.fuller@stir.ac.uk">n.w.fuller@stir.ac.uk</a>
<b>Community &amp; needs Recovery</b>	Stigma of substance use and its impact on recovery	To determine the perspectives of service users and treatment providers in substance misuse treatment, which can be used to inform & develop current models of treatment Forms part of the 'Substance Use and Misuse' research programme, Institute of Applied Health, GCU	Qualitative/ Q sort	GCU, PhD researcher Tim Laxton, Supervisor Prof Paul Flowers	2012  Ongoing, completion due 2016	GCU	Contact:  <a href="mailto:Tim.Laxton@gcu.ac.uk">Tim.Laxton@gcu.ac.uk</a>

## Drug Policy

Theme and sub-theme	Title	Purpose	Methods	Who by	Start date / status	Funding	More info available & contact
<b>Drug Policy</b>	Drug prohibition in Scotland	Rationales for and opportunities for review Agenda setting, policy streams and policy entrepreneurs	Qualitative study using semi-structured interviews with policy advisors, politicians & health professionals - thematic analysis of the gathered data	University of the West of Scotland (UWS), PhD researcher Steve O'Rawe, Supervisor Dr Murray Leith/ Alison Munro/ Betsy Thom	Started 2011  Ongoing, completion due 2016 or 2017	UWS studentship	Contact: <a href="mailto:Steve.O'Rawe@uws.ac.uk">Steve.O'Rawe@uws.ac.uk</a>
<b>Drug Policy</b>	Governing risky and at risk subjects: a comparative analysis of the representation and governance of the drug problem in Scotland & Greece	Explore the representation and governance of drug problems in Scotland and Greece, policy makers, public	Comparative policy analysis, visual methods, interviews.  PhD by Publication	Stirling University, PhD researcher Andriana Manta, Lead Supervisor, Dr Tessa Parkes	Starting Oct 2016, full time	Funded studentship by Stirling University	Contact: <a href="mailto:t.s.parkes@stir.ac.uk">t.s.parkes@stir.ac.uk</a>
<b>Drug Policy</b>	Review (international) models of drug policy and assess evidence of	Expand knowledge on this area and assess requirements of	Evidence/ literature review	NHS Public Health Advisor Elinor Dickie	Start 06/16  Ongoing, completion due Dec.	NHS Health Scotland core funding	Contact: <a href="mailto:elinor.dickie@nhs.net">elinor.dickie@nhs.net</a>

	impact on inequalities	specific group			2016		
<b>Drug Policy</b>	Scottish Drug Policy: epistemologies of knowledge in measurements of drug related harm	To investigate the role knowledge of different drugs have on individual & collective measurements of drug-related harm: the role risk & concepts of pleasure have on measurements of harm will be explored in order to broaden the concept of drug-related harm. Including drug consumers will widen the concept of drug expert to include those with experiential knowledge	Interpretive policy analysis – interviews/ participant observation and document analysis.  Auto ethnography and narrative analysis  Focus will be on narratives underpinning Scottish drug policy. Sample will be: Scottish drug policy makers, drug policy experts and drug consumers	Edinburgh University, PhD researcher Anna Ross, supervisor Dr Angus Bancroft	Sept. 2015  Ongoing, completion due Feb 2018	Principal's Career Development Scholarship at Edinburgh University	Contact:  <a href="mailto:s0456639@sms.ed.ac.uk">s0456639@sms.ed.ac.uk</a> (Anna Ross)





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