

Supplementary Appendix 1: Provisional list of requested data items

	PNC ^a	NOMIS ^b	Delius ^c	OASys ^d
Individual				
Age at death/DOB	X	X	X	X
Gender	X	X	X	X
Ethnicity	X	X	X	X
Date of assessment/update			X	X
Demographics (i.e. age, religion, ethnic code)	X	X	X	X
Flags/Markers		X	X	
Accommodation status		X	X	X
Offending and Sentencing History				
Offence	X	X	X	X
Reason for arrest				
Reason for contact				
Offence details	X		X	X
Previous convictions	X			
Police Force	X			
Date of arrest/last police contact				
Periods in Police Custody				
Sentence Start/End Date		X	X	
Sentence Type	X	X	X	X
Sentence Requirements			X	X
Breach of order and outcomes			X	
Court dates			X	
Custodial				
IEP ^e Level		X		
Details of adjudications		X		
Details of visits		X		
Work/Activities		X		
ACCT ^f Details (i.e. dates, number of ACCTs etc.)		X		
Prison Transfer/Release		X	X	
Type of Release		X		
First appointment post-release			X	
Risk or marker		X	X	X
Cause of death				
Date of incident				
Date of death		X	X	
Inquest verdict				
Death in supervision			X	X
Death in custody		X		
Death in police custody				
Days between release from custody and death				
Self-harm incident		X	X	
Mental Health				
Referral to Mental Health services			X	
Disclosed psychological problems/depression				X
Suicide and self-harm thoughts or feelings				X
Disclosed psychiatric problems				X
History of psychiatric treatment				X
Previous medication for mental health problems				X
Any Special/Secure Unit stays				X
Referral to Treatment				

continued

Supplementary Appendix 1: Continued

Onward Referral		
Mental Health Act Legal Status Classification		
Period		
Community Treatment Order		
Hospital Provider Spell		
Ward Stay		
Primary Diagnosis		
Type of mental health need		
Secondary Diagnosis		
Prescriptions of psychotropic drugs		
Substances		
Referral to substance misuse support	X	
Drug misuse	X	X
Type of Drug	X	X
Level of use	X	X
Alcohol misuse	X	X
Month entering and leaving treatment		
Number of times accessed treatment		
Type of treatment received		
Discharge reasons		

^aPolice National Computer.^bPrison dataset^cProbation dataset.^dShared prison and probation dataset.^eIncentive and Earned Privilege level (status and privilege scheme within prisons).^fAssessment, Care in Custody and Teamwork (suicide and self-harm risk case management system).

Supplementary Appendix 2: Summary of the data, processes, costs and timescales for linking with police data

Dataset	PNC (Police National Computer) Extract from the Police National Database relating to convictions and cautions.	Perito (Independent Office for Police Conduct Case Management System) Data on individuals who died by suicide during or following police contact.
Data	Unique identifier: <i>PNCID</i> <i>Range:</i> 2000-present (only for individuals who have had a caution or conviction since 2000) <i>Completeness:</i> Most non-demographic fields are mandatory. Specifics on completeness provided after data request.	Unique identifier: <i>CTMSnum (Case Reference Number)</i> <i>Range:</i> 2004-present (retention period of six years unless statutory reasons for retention exist) <i>Completeness:</i> data should be close to 100% for independently investigated case. This will be lower for other cases but can be developed with manual follow up.
Process	1. Email to datalinkingteam@justice.gov.uk with subject: <i>Request to Data Access Group</i>. 2. Detail request for data access including data items requested and approvals to share the individual level data for linkage. 3. The data linking team will then send Data Sharing Agreement and Privacy Impact Agreement templates and work with us to populate these. 4. Both agreements are sent over to the Data Compliance Team to review. 5. Agreements are processed by the Legal Team before being sent back to the Data Compliance Team for sign-off. 6. Once agreed, two extracts can be shared: one with the main linkage and another from the 'Spine' with unique identifiers. Extracts are shared as a CSV flat file (one entry per offence per disposal). Transfer must be to a .cjsm account through a password protected winzip file.	As the IOPC only hold cases of individuals who have died during or following Police contact (up to two days and in some cases, longer), they will not need a list of identifiers from the ONS. Instead, cases will be identified by the agreed date range and cause of death being suicide. 1. Informal 'approval' process; approach IOPC with data request (data items requested and date range). 2. Data Sharing Agreement will be drawn up which outlines provision and handling of information and signed by both parties. 3. Report would be provided in excel spreadsheet via Egress Secure email system. 4. For some cases, there will be limited information where agreements are in place with friends or family of the deceased not to share information. In these cases, next steps depend on the type of investigation the case is subject to: (a) Independent investigations; the Research Team at IOPC will link up with the lead investigator on the case to determine what can be shared and to review sharing of information if the investigation is still underway. (b) All other types of investigation; enough information will be provided by the IOPC that the relevant police service can be contacted for case identification (for linkage) and additional information.
Timescale and cost	<i>Timescale:</i> Whole process likely to take around 6 months. Once agreements are in place, extract will be provided in 2-4 weeks. <i>Cost:</i> none directly incurred from the data team.	<i>Timescale:</i> Likely to take no longer than 12 weeks. <i>Cost:</i> none directly incurred from the data team

Supplementary Appendix 3: Summary of the data, processes, costs and timescales for linking with probation data

Data Source	nDelius (Probation Case Management System)	OASys (Offender Assessment System (Probation and Prison))
Data	Data on individuals who are or have been under probation supervision. Used by Community Rehabilitation Company (CRC) and HMPPS probation <i>Unique identifier:</i> Probation CRN (Case Reference Number) <i>Range:</i> Since 2014 <i>Completeness:</i> >80% for most requested fields, less accurate for some that require manual input (i.e. recalls)	Data on all individuals who have been under probation supervision (including Standalone Unpaid Work) or have been in prison (including unsentenced). <i>Unique identifier:</i> PNCID <i>Range:</i> 2015 – present <i>Completeness:</i> No record of completeness available. It is rare to have missing fields but possible that 'don't know' may be used (i.e. where the assessment is completed in absence of the individual)
Process	1. Obtain NRC approval and authorisation to seek data from the Information Asset Owner (IAO). 2. Use IAO authorisation to approach the nDelius Reporting Team (NDeliusQueries@noms.gsi.gov.uk) to discuss the data required, how, where and when it can be delivered. 3. We would be provided with a document to complete in order to fully establish what extract is required, how it will be used etc. 4. We are then provided with an ISA for completion, stipulating how the data should be stored and deleted, for us to complete and return. 5. Formally request the data required in the form of a report from the nDelius team. Report would be provided in an excel spreadsheet via secure email.	1. Obtain HMPPS NRC approval and authorisation to seek data from the IAO. Cost implications (if any) are set by the NRC. 2. Use IAO authorisation to approach the OASys Business Team (oasysqueries@noms.gsi.gov.uk) to discuss the data required, how, where and when it can be delivered. 3. OASys business team would provide a document for us to complete in order to fully establish what extract is required, how it will be used etc. Once completed, <i>they</i> liaise with Information Security as to the most appropriate method for the data storage. 4. We are then provided with an ISA for completion, stipulating how the data should be stored and deleted, for us to complete and return. 5. Formally request the data required in the form of a report from the OASys team. Report would be provided in an excel spreadsheet via secure email.
Timescale and cost	<i>Timescale:</i> 2 – 3 weeks: see OASys section for breakdown. <i>Cost:</i> none directly incurred from the data team	<i>Timescale:</i> 2–3 weeks: extraction takes 1-2 weeks, including testing for data validity; then checked and approved by the OASys team and the statistics team which takes a further week. <i>Cost:</i> none directly incurred from the data team

Supplementary Appendix 4: Summary of the data, processes, costs and timescales for linking with prison data

Data Source	P-NOMIS (Prison National Offender Management Information System) Data on all individuals who have been in prison; including those on remand, sentenced and non-criminal prisoners.
Data	<i>Unique identifier:</i> Prison Number <i>Range:</i> Public Prisons since 2010 Private Prisons since 2012 <i>Completeness:</i> >97% (exception of visits which are inconsistently marked as completed across the estate) Full list of data fields not shared
Process	1. Obtain HMPPS NRC approval and authorisation to seek data from the IAO. 2. Use IAO authorisation to obtain an appropriate ISA from the Information Assurance Team (informationassurance@noms.gsi.gov.uk). 3. Contact the National Reporting Team (NOMSApplicationsReportingTeam@noms.gsi.gov.uk) who will work with us to define what data we want, how it can be delivered, to where and what timescales, once the information sharing agreement is in place. A brief version of step 3 may be needed before step 2 to inform the ISA. 4. The ISA will inform an estimate of cost and timescales, based on priority and complexity of the request. 5. Once negotiated, we can formally request the extraction of data through the National Reporting Team; assuming no external support is needed, extract may be provided with no cost attached. 6. Report is provided on a password protected excel spreadsheet via secure email.
Timescale and cost	<i>Timescale:</i> 2 – 6 weeks once ISA in place <i>Cost:</i> none directly incurred from the data team

