Cheshire and Merseyside Health and Care Partnership

Combined Intelligence for Population Health Action (CIPHA):

Data Sharing Agreement (Tier Two)

Workstream: Population Health

Version Control		
V1.0	Final for Distribution	
V1.1	Minor amendments made to Section 5, signature page and Annex B to correct erroneous references to COVID workstream DSA	
V1.2	Correction of St Helens CCG GP practice codes	

Data Sharing Agreement Tiered Framework

There are three tiers to the Data Sharing Agreement Tiered Framework:

Tier Zero Memorandum of Understanding
Overarching Memorandum of Understanding which sets out an organisations agreement in principle to share information with the partner organisations in a responsible way. The tiered approach provides a governance framework to standardise procedures and processes when sharing confidential personal information between partners where there is a lawful basis to do so. The Tier Zero is signed by a Chief Executive (or equivalent) and commits to their organisation operating within the agreed framework of data sharing. Only one Tier Zero needs to be signed regardless of the number of Tier One and Tier Two documents beneath it.

Tier One Data Sharing Agreement - Standards
These are the overarching standards which outline the agreed procedures for sharing confidential information. The document recognises that not all organisations which are party to the agreement will have the same assurance requirements (such as the Data Security and Protection Toolkit) and therefore sets the minimum standard of each of the participating organisations. The document sets the standards for obtaining, recording, holding, using and sharing of information and outlines the supporting legislation, guidelines and documents which govern information sharing between partners. The Tier One is signed by the designated responsible officer for each partner organisation, for the whole C&M Health and Care Partnership.

Tier Two Data Sharing Agreement
The Tier Two provides a template for the safe sharing of personal data. The agreement shows what information should be shared and how, under what circumstances and by whom, and is tailored to individual partnerships/projects. Each Tier Two Data Sharing Agreement will need to be signed off by each participating organisation. Tier Two Data Sharing Agreements could be for all partners at Tier Zero, or a selected cohort of partners who are participating in a specific project. Each Tier Two is signed by the Senior Information Risk Owner (SIRO) and/or Caldicott Guardian (CG), alternatively the Chief Executive or equivalent if there is no SIRO/CG, for each of the partner organisations.

Clause
Sharing agreements negotiated prior to the commencement of the Tiered framework and related Share2Care documentation are not terminated or otherwise varied by the implementation of the Share2Care documentation.

Share2Care recognise that each partner organisation will have their own local policies and procedures regarding information security and confidentiality and to make clear that this Tier Two, and the Tier Zero and Tier One documents, are not designed to negate or supersede existing local policies but to enhance them by facilitating cross-boundary dialogue and agreement.

Tier Two - Data Sharing Agreement

1. Title and Reference Code

Project	Cheshire and Merseyside Health and Care Partnership
Workstream	Population Health: Combined Intelligence for Population Health Action (CIPHA)

2. Population Health Intelligence

This Tier Two sharing agreement is for:

Population Health: Combined Intelligence for Population Health Action (CIPHA Programme)

This Data Sharing Agreement (DSA) covers the sharing of data across Cheshire and Merseyside Health and Care Partnership to support a set of Population Health analytics designed to inform both population level planning and support the targeting of direct care for populations.

3. Parties to the Agreement

The DSA is between the 9 Clinical Commissioning Groups, 367 General Practices, 9 Local Authorities, and 20 NHS Providers that make up Cheshire and Merseyside Health and Care Partnership, with Graphnet/System C as a Data Processor, Arden and Greater East Midlands Commissioning Support Unit (AGEMCSU) CSU as a Data Processor, and Midlands and Lancashire CSU (MLCSU) as a Data Processor.

The **Data Controllers** are the GP Practices; Local Authorities; and 20 NHS Providers from where the data is sourced.

The **Data Processors** are the Cheshire and Merseyside Health and Care Partnership Combined Intelligence for Population Health Action (CIPHA) Intelligence Team, together with the system supplier Graphnet using System C; AGEMCSU and MLCSU.

The table below explains the organisations receiving data as part of this DSA and the data controllers providing data, and data processors.

Agreement Owner/Host Organisation	Christine Walters Director of Informatics St Helens and Knowsley Teaching Hospitals NHS Trust

Receiving Organisation (s)	NHS Cheshire CCG NHS Halton CCG NHS Knowsley CCG NHS Liverpool CCG NHS South Sefton CCG NHS Southport and Formby CCG NHS St Helens CCG NHS Warrington CCG NHS Wirral CCG All GP Practices within each of these CCGs - please see list at Annex A. Alder Hey Children's NHS Foundation Trust Bridgewater Community Healthcare NHS Foundation Trust Cheshire and Wirral Partnership NHS Foundation Trust Countess of Chester Hospital NHS Foundation Trust East Cheshire NHS Trust Liverpool Heart and Chest NHS Foundation Trust Liverpool University Hospitals NHS Trust (Royal, Aintree & LCL) Liverpool Women's NHS Foundation Trust Mersey Care NHS Foundation Trust North West Boroughs Healthcare NHS Foundation Trust NWAS Primary Care 24 Southport & Ormskirk Hospital St Helen's Care Record St Helens and Knowsley Teaching Hospitals NHS Trust The Clatterbridge Cancer Centre NHS Foundation Trust The Mid Cheshire Hospitals NHS Foundation Trust The Walton Centre NHS Foundation Trust Warrington and Halton Hospitals NHS Foundation Trust Wirral Community NHS Foundation Trust Wirral University Teaching Hospital NHS Foundation Trust Cheshire East Council Cheshire West and Chester Council Halton Borough Council Knowsley Borough Council Liverpool City Council Sefton Council St Helens Council Wirral Council Warrington Borough Council Warrington GP OOH Service Wirral GP OOH Service CWP Out of Hours Service Southport And Formby Health: 7day GP Service

	St Helens Rota OOH South Sefton GP Extra OOH NHS England and Improvement (Aggregate-anonymised only)
Providing Organisation (s) (Data Controllers)	NHS Cheshire CCG NHS Halton CCG NHS Knowsley CCG NHS Liverpool CCG NHS South Sefton CCG NHS Southport and Formby CCG NHS St Helens CCG NHS Warrington CCG NHS Wirral CCG All GP Practices within each of these CCGs - please see list at Annex A. Arden and Greater East Midlands Commissioning Support Unit (AGEMCSU) Alder Hey Children's NHS Foundation Trust Bridgewater Community Healthcare NHS Foundation Trust Cheshire and Wirral Partnership NHS Foundation Trust Countess of Chester Hospital NHS Foundation Trust East Cheshire NHS Trust Liverpool Heart and Chest NHS Foundation Trust Liverpool University Hospitals NHS Trust (Royal, Aintree & LCL) Liverpool Women's NHS Foundation Trust Mersey Care NHS Foundation Trust North West Boroughs Healthcare NHS Foundation Trust NWAS Primary Care 24 Southport & Ormskirk Hospital St Helen's Care Record St Helens and Knowsley Teaching Hospitals NHS Trust The Clatterbridge Cancer Centre NHS Foundation Trust The Mid Cheshire Hospitals NHS Foundation Trust The Walton Centre NHS Foundation Trust Warrington and Halton Hospitals NHS Foundation Trust Wirral Community NHS Foundation Trust Wirral University Teaching Hospital NHS Foundation Trust Cheshire East Council Cheshire West and Chester Council Halton Borough Council Knowsley Borough Council Liverpool City Council Sefton Council St Helens Council Wirral Council

	Warrington Borough Council Warrington GP OOH Service Wirral GP OOH Service CWP Out of Hours Service Southport And Formby Health: 7day GP Service St Helens Rota OOH South Sefton GP Extra OOH Also, datasets from central Government including from NHS England, NHS Digital, NIMS and NIVS e.g. testing, vaccinations, and health conditions.
Data Processors	Graphnet/System C Arden and Greater East Midlands Commissioning Support Unit (AGEMCSU) Midlands and Lancashire Commissioning Support Unit

4. Terms of the Agreement

Start Date	30 June 2021
End Date	31st March 2022

5. Purpose of the Data Sharing

Purpose for Data Sharing	The overarching purpose for data sharing is to support a set of Population Health analytics for population level planning and improvement of outcomes and also the targeting of direct care to vulnerable populations in need. There are four main purposes, which can be described as follows:- **Use Case 1: Epidemiology Reporting: Understanding health needs of populations, wider determinants of health and inequality for the improvement of outcomes:** The data would be used to create intelligence, with the aim of understanding and improving physical and mental health outcomes, promote wellbeing and reducing health inequalities across an entire population. Specific types of analysis that may be undertaken include: Health needs analysis understanding population's health outcomes and deficits; Demographic forecasting, disease prevalence and

relationships to wider determinants of health; Geographic analysis and mapping, socio-demographic analysis and insight into inequalities.

Use Case 2: Predicting outcomes and population stratification of vulnerable populations: The data will be used to predict the risk of outcomes for individuals in order that services can be targeted proactively to those most vulnerable. The data will be re-identified for the purposes of direct care.

Use Case 3: For planning current services and understanding future service provision: The data would be used to create intelligence on service provision to understand current service capacity and demand and forecasting future service demand to ensure enough provision is available for populations in need. This may include forecasting disease and prevalence and understanding how it impacts on service provision.

Use Case 4: For evaluation and understanding causality: The data would be used to evaluate causality between determinants of health and outcomes. Also, used to understand effectiveness of certain models of care across the health and care system.

6. Data Protection Impact Assessment

Data Protection Impact Assessment (DPIA)	The DPIA can be found embedded below:
	HCP C&M CIPHA DPIA Population Hea

7. Data Details

Data to be Shared	Annex B provides the categories of data to be shared from GP; Acute; Mental Health; Community; and Social Care (children and adult). The table incudes a brief description of the data categories and the use case(s) within which the data will be used. The specific data items will only be coded (structured) data, that is to say no free text (unstructured) data.
	AGEMCSU will also provide a set of data to the CIPHA programme for linkage with the above via consistent pseudonym. The datasets being linked to include those listed in the DSA agreement with NHS Digital which is inclusive of, but not

	limited to SUS (secondary care), CSDS (Community care), MHMDS (Mental Health), GDPPR (General Practice), NWAS (Ambulance), COVID Testing and COVID Vaccinations.
Lawful Basis for Data Sharing	**Legal Basis under the General Data Protection Regulation (GDPR)** Below explains how this agreement is compliant with GDPR: 6 (1) (e) Necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller 9(2)(h) Necessary for the reasons of preventative or occupational medicine, for assessing the working capacity of the employee, medical diagnosis, the provision of health or social care or treatment or management of health or social care systems and services on the basis of Union or Member State law or a contract with a health professional 9(2)(i) Necessary for the reason of public interest in the area of public health, such as protecting against serious cross border threats to health or ensuring high standards of healthcare and of medicinal products or medical devices 9(2)(j) Necessary for archiving purposes in the public interest, or scientific and historical research purposes or statistical purposes in accordance with Article 89 (1) **Common Law Duty of Confidentiality** For Population Health the Common Law Duty of Confidentiality requires that there should be no use or disclosure of any confidential patient information for any purpose other than the direct clinical care of the patient to whom it relates, unless: • The patient explicitly consents to the use or disclosure; • The disclosure is required by law; • The disclosure is permitted under a statutory process that sets aside the duty of confidentiality. Appropriately psudonymised or aggregated data is not owed a duty of confidentiality. Under this Data Sharing Agreement the Common Law Duty of Confidentiality does not apply, to data which is pseudonymised, and presented as aggregate data. For patient identifiable data used for direct patient care the Common Law Duty of Confidentiality is addressed by implied consent. "Section 251B [of the Health and Social Care Act 2012 (as amended by the Health and Social Care (Safety and Quality) Act 2015)] and implied consent under CLDC will together provide the lawful basis to share in most cases of direct care. In these cases, and any cases of direct care based on explicit consent, the national data opt-out will not apply." https://digital.nhs.uk/services/national-data-opt-out/operational-policy-guidance-document/appendix-2-definitions

	The right to object under S21 of the General Data Protection Regulation 2016, as enacted, is also relevant. Patients and service users have a right to object to their medical information being used in order to provide safe and effective care, and have the right to register this objection in writing, or verbally, to the clinician concerned. The section: **Role Based Access Controls**, and **De-identification and sensitive codes** explains the controls in place in more detail.
Access Controls	**Role Based Access Controls** Role Based Access Controls (RBAC) will be applied to a set of 'data marts' as follows: **Patient Identifiable Data:** Only those with a legitimate direct care relationship with the individual will be granted access. Access will be granted by individual Data Controllers and for GP Practices for their populations as the Data Controller. **Pseudonymised Data:** CCG and Local Authority Staff i.e. place-based intelligence teams (including staff with honorary contracts with those organisations who may undertake work on their behalf) will be granted access for the purposes described in **Section 5: Purpose of the Data Sharing**. All analytical projects undertaken with the data will be listed in the Data Access and Asset Matrix (see 'Governance' below) explaining the specific purpose, requestor, output, legal basis and timescale. Other parties to this Data Sharing Agreement that wish to have access to the data for one of the purposes listed in Section 5, will be required to go via a governance gateway explained below in **Governance** for approval of such data access. **Anonymised-aggregate Data:** Access to individuals employed by organisations listed in **Section 3: Parties to the Agreement** will be granted access to all anonymised-aggregate data.
Governance	The programme will maintain and strictly enforce a Data Access and Data Asset matrix to ensure requests to use the CIPHA regional data sources ensure full compliance with the purposes laid out in **Section 5: Purpose of the Data Sharing** and that data is securely shared and appropriated. This process will be governed through a regional Data Asset and Access Group (DAAG) that will draw its membership from: the regional Clinical Informatics Advisory Group (CIAG); GP and Local Medical Committees; Information

Governance specialists; Local Authority and the regional Data Services for Commissioners Regional Offices (DSCRO) service.

This matrix will detail projects undertaken with the pseudonymised data by the CCG and Local Authority staff i.e. place-based intelligence teams and be made available to parties within this sharing agreement on a monthly basis, so they are informed of the specific uses of the data.

Other parties to this sharing agreement that wish to have access to the pseudonymised data will be required to submit a Data Access Request Form on a project by project basis to the Data Asset and Access Group (DAAG) for an assessment that:-

- Purpose aligns with the purpose of this agreement;
- A Data Protection Impact assessment (DPIA) is completed, if not covered by an existing DPIA;
- A separate Data Sharing Agreement (Tier Two) is completed for signature by all data controllers, if not covered by this Tier Two DSA;
- Ensures that individual data controllers are also informed of the Data Access Request, and can lodge a concern regarding data sharing with the CIPHA team for discussion, and/or withdraw their service user data from any project at any time.

CIPHA – TARGET OPERATING MODEL TO SUPPORT COVID USE-CASES

De-identification of Patient Identifiable Data (Pseudonymisation)

To satisfy the Confidentiality: NHS Code of Practice, data for purposes other than direct care will be de-identified. De-identification is achieved through secure and robust pseudonymisation (Encryption method: SHA256). This allows data to be effectively linked without using clear or sharing patient identifiers. This data will still be at person-level, but the identifiable fields will be

De-identification, data minimisation, and handling of restricted/

sensitive codes	removed from the data. This includes removal of names and addresses. Date of Birth will be formatted to age; post code will be shortened. Pseudonyms will be linkable across datasets. Re-identification will be possible via a set of controlled processes for those who have been granted the correct permissions, as per '**Role Based Access Controls** section. **Anonymised Data** Anonymised data will meet the ICO standards for anonymisation including small number suppression. **Sensitive Codes** Sensitive data excluded from retrieval follows the recommendations made by The Royal College of General Practitioners (RCGP) ethics committee and the Joint GP IT Committee: • Gender reassignment. • Assisted conception and in vitro fertilisation (IVF) • Sexually transmitted diseases (STD) • Termination of pregnancy
National Data Opt Out Programme	Type 1 opts out (those who do not want their information shared outside of General Practice for purposes other than direct care) will be upheld. This means that data for people who have objected to sharing their data will **not flow** from the GP record into the Graphnet solution.
Fair Processing	Organisations party to this agreement will comply with Fair Processing guidelines ensuring Privacy Notices accurately reflect the uses of data for their organisation. A project specific Privacy Notice will be available on a public facing project website.
Details of retention and destruction	The data will be retained for as long as the purpose(s) described above remains valid or a new legal purpose agreed. This will be in line with the Records Management Code of Practice for Health and Social Care 2016.

Workstream: Population Health
Data Sharing Agreement (Tier Two)

Signatory Sheet

Each party to this Data Sharing Agreement (Tier Two) is required to complete & sign below.

Data Sharing Agreement Owner – Host Organisation - St Helens and Knowsley Teaching Hospitals NHS Trust

Signed for and on behalf of:	St Helens and Knowsley Teaching Hospitals NHS Trust
Name	Christine Walters
Role	Director of Informatics
Signature	
Date	19/07/2021

Party to the Data Sharing Agreement – Partner Organisation

Signed for and on behalf of:

GP Practice Code (If applicable):

Name

Role / Job Title e.g. Chief Executive/SIRO/Caldicott Guardian

Signature

Date

Please return to the following:

CIPHA@merseycare.nhs.uk

ANNEX A – List of intended participating GP Practices in Cheshire and Merseyside (Subject to change following signature)

Practice Code	Practice Name
Halton	
N81035	Appleton Village Surgery
N81037	Beeches
N81011	Bevan Group Practice
N81119	Hough Green Health Park
N81064	Newtown
N81619	Oaks Place Surgery
N81045	Peel House
N81651	Upton Rocks
N81096	Brookvale
N81019	Castlefields Health Centre
N81066	Grove House
N81072	Murdishaw Health Centre
N81054	Weaver Vale Practice
N81057	Tower House Practice
Knowsley	
N83015	Bluebell Lane Medical Practice
N83610	Colby Medical Centre in Bluebell Centre
N83025	Cornerways Medical Centre
N83014	Dinas Lane Medical Centre (Pat Puddifer)
N83609	Dr K T Kyaw (Cedar Cross)
N83601	Dr K F Thong's Practice (Macmillan Surgery)
N83018	Dr P Rigby's Practice
N83047	Dr Rashid's Practice (Tarbock Medical Centre)
N83033	Dr R I King's Practice (St Laurences Medical Centre)
N83621	Hillside House Surgery in Bluebell Centre
N83605	Hollies Medical Centre
N83043	Longview Primary Care Centre
N83028	Manor Farm Primary Care Resource Centre
N83032	Millbrook Medical Centre
N83633	Nutgrove Villa Surgery
N83024	Park House Medical Centre

N83030	Pilch Lane Surgery
N83603	Prescot PCRC
N83622	Primrose Medical Practice in Bluebell Centre
N83619	Roby Medical Centre
N83031	Roseheath Surgery
N83013	The Health Centre Surgery
N83608	Towerhill Primary Care Res & Comm Centre
N83055	Trentham Medical Centre
N83009	Wingate Medical Centre
Liverpool	
N82103	Anfield Group Practice
N82669	Great Homer Street Medical Centre
N82074	Old Swan HC.
N82037	Westmoreland GP Centre
N82094	Belle Vale Health Centre
N82058	Rock Court Surgery
N82002	Yew Tree Centre
N82104	Stoneycroft MC
N82090	Green Lane MC
N82101	Kirkdale Medical Centre
N82079	Greenbank Rd Surgery
N82009	Grassendale Medical Practice
N82022	Edge Hill HC
N82062	Fulwood Green MC
N82001	Margaret Thompson M C
N82034	Village Surgery
N82092	The Valley Medical Centre
N82106	The Village Medical Centre
N82110	Long Lane Medical Centre
N82650	Speke Health Centre
N82115	Vauxhall Health Centre
N82003	Dovecot HC
N82059	The Surgery (Greenbank Drive)
N82067	Benim MC
N82076	Brownlow at Princes Park

N82041	Oak Vale Medical Centre
N82024	West Derby Medical Centre
N82086	Abingdon Family Health Centre
N82014	Lance Lane
N82046	Sefton Park MC
N82617	Brownlow Health @ Marybone
N82108	Rutherford Medical Centre
N82117	Brownlow Group Practice
N82648	Poulter Road Medical Centre
N82099	Mere Lane Group Practice
N82093	Derby Lane MC
N82036	Netherley Health Centre
N82035	Mather Avenue
N82651	Stanley Medical Centre
N82646	Drs Hegde and Jude's Practice
N82053	Aintree Park Group Practice
N82070	The Elms MC
N82073	The Ash Surgery
N82113	Fairfield General Practice
N82670	Park View
N82095	Albion Surgery
N82664	Rocky Lane Medical Centre
N82655	Moss Way Surgery
N82083	Jubilee Medical Centre
N82048	Walton Medical Centre
N82091	Riverside HC
N82011	Priory Medical Centre
N82662	Dunstan Village Group Practice
N82050	Gateacre Medical Centre
N82641	Sandringham MC
N82026	Penny Lane Surgery
N82065	Earle Road Medical Centre
N82645	Brownlow at Kensington
N82097	Grey Road Surgery
N82019	Langbank Medical Centre

N82663	Hornspit MC
N82082	St James MC
N82671	Bigham Road MC
N82087	Gillmoss Medical Centre
N82668	Walton Village Medical Centre
N82018	Ellergreen Medical Centre
N82084	Gateacre Brow
N82081	Islington House
N82078	Bousfield Health Centre
N82004	Garston Family Health Centre
Y00110	West Speke Health Centre
N82633	Knotty Ash MC
N82116	Hillfoot Health
N82676	Fir Tree Medical Centre
N82077	Bousfield Surgery
N82052	Townsend Medical Centre
N82107	Mossley Hill Medical Centre
N82049	Westminister Medical Centre
N82033	Dingle Park Practice
N82678	Stopgate Lane Medical Centre
N82066	Woolton House Medical Centre
N82109	Speke Neighbourhood Health Centre
N82089	Picton Medical & Children's Centre
N82039	Storrsdale Medical Centre
N82054	Abercromby Holistic Health Centre
Southport & Formby	
N84012	Ainsdale Medical Centre
N84014	Ainsdale Village Medical Centre
N84002	Aintree Road Medical Centre
N84020	Blundellsands Medical Centre
N84015	Bootle Village Surgery
N84023	Bridge Road Medical Centre
N84013	Christiana Hartley Medical Centre
N84006	Chapel Lane Medical Centre
N84017	Churchtown medical Centre

N84026	Crosby Village Surgery
N84627	Crossways PC24 Surgery
N84005	Cumberland House Medical Centre
N84001	DR Vitty, Pfeiffer & Berni
N84010	Maghull Family Surgery
N84041	30 Kingsway
N84007	Drs Misra & Bird
N84011	Eastview Surgery
N84029	Ford Medical Practice
N84036	Freshfield Surgery
N84004	Glovers Lane Surgery
N84003	High Pastures Surgery
N84626	Hightown Village Surgery
N84617	Kew Surgery
N84038	Concept House Surgery
N84037	Lincoln House
N84605	Litherland Town Hall PC24
N84624	Maghull Health Centre DR Sapre
Y00446	Maghull PC24
N84614	Marshside Surgery
N84016	Moore Street
N84630	Netherton Practice
N84019	North Park Surgery
N84008	Norwood Surgery
N84027	Orrell Park Medical Centre
N84034	Park Street Surgery
N84615	Rawson Road Surgery
N84611	Roe Lane Surgery
N84043	Seaforth Village UC24
N84021	St Marks Medical Centre
N84028	Strand Medical Centre
N84613	The Corner Surgery
N84625	The Family Surgery
N84024	The Grange Surgery
N84618	The Hollies

N84018	The Village Surgery Formby
N84621	Thornton Village Surgery
N84025	Westway Medical Centre
N84035	15 Sefton Road Dr McElroy
Warrington	
N81637	Cockhedge Medical Centre
N81097	Dallam Lane Medical Centre
N81048	Fearnhead Cross Medical Centre
N81048001	Fearnhead Cross Medical Centre - Longford Branch Surgery
N81056	Folly Lane Medical Centre
N81107	Manchester Road Surgery
N81075	Stockton Heath Medical Centre
N81623	Stretton Medical Centre
N81623001	Stretton Medical Centre - Stretton Branch Surgery
N81645	4 Seasons Medical Centre
N81114	Birchwood Medical Centre
N81014	Brookfield Surgery
N81028	Causeway Medical Centre
Y04925	Chapelford Health Plus
N81059	Culcheth Medical Centre
Y01108	Fairfield Surgery
N81089	Greenbank Surgery
N81012	Guardian Street med/ctr
N81041	Helsby Street med/ctr
N81007	Holes Lane Medical Centre
N81065	Latchford Medical Centre
N81109	Padgate Medical Centre
N81083	Parkview Medical Centre
N81020	Penketh Health Centre
N81036	Springfields Medical Centre
N81628	The Eric Moore Partnership
N81108	The Lakeside Surgery
N81122	Westbrook Medical Centre
Wirral	
N85648	Blackheath Medical Centre

N85017	Cavendish Medical Centre
N85027	Central Park Group Practice
N85633	Church Road Medical Centre
N85006	Civic Medical Centre
N85009	Commonfield Road Surgery
N85015	Devaney Medical Centre
N85005	Eastham Group Practice
N85629	Egremont Medical Centre
N85031	Gladstone Medical Centre
N85032	Greasby Group Practice
N85052	Grove Road Surgery
N85021	Hamilton Medical Centre
N85037	Heatherlands Medical Centre
N85007	Heswall & Pensby Group Practice
N85022	Holmlands Medical Centre
N85059	Hoylake & Meols Medical Centre
N85046	Hoylake Road Medical Centre
N85054	Kings Lane Medical Centre
N85640	Leasowe Medical Practice
N85616	Liscard Group Practice
N85023	Manor Health Centre
N85002	Marine Lake Medical Practice
N85001	The Estuary Medical Practice
N85625	Miriam Primary Care Group (Miriam)
N85625001	Miriam Primary Care Group (Earlston & Seabank)
N85625002	Miriam Primary Care Group (Field Road Health Centre)
N85028	Moreton Cross Group Practice
N85040	Moreton Health Clinic
N85048	Moreton Medical Centre
N85034	Parkfield (Oates)
N85044	Paxton Medical Group (Claughton)
N85044002	Paxton Medical Group (Fender Way)
N85643	Prenton Medical Centre
N85643001	Woodchurch Medical Centre
N85016	Riverside Surgery

N85058	Silverdale Medical Centre
N85024	Somerville Medical Centre
N85617	Spital Surgery
N85020	St Catherine's Surgery
N85012	St Georges Medical Centre
N85025	St Hilary Group Practice
N85051	Sunlight Group Practice
N85057	Teehay Lane Medical Centre
N85003	The Allport Surgery
N85047	The Orchard Surgery
N85018	The Villa Medical Centre
N85620	The Village Medical Centre
N85014	Townfield Health Centre
N85013	Upton Group Practice
N85634	Vittoria MC (Karamputi)
N85038	Vittoria MC (Green)
N85008	West Wirral Group Practice
N85019	Whetstone Medical Centre
Cheshire	
N81001	Audlem
N81002	Kenmore Medical Centre
N81005	Helsby Health Centre
N81006	Bunbury Medical Practice
N81008	Cedars
N81009	Heath Lane Medical Centre
N81010	Nantwich Health Centre
N81013	High Street Surgery
N81016	Millcroft
N81018	Tarporley_RS
N81022	Bollington Medical Centre
N81024	Swanlow Lane
N81025	Firdale Medical Centre
N81026	Toft Road Surgery
N81027	Readesmoor Medical Group Practice
N81029	South Park Surgery

N81030	The Knoll Surgery
N81031	Tarporely Health Centre
N81032	Ashfields PCC
N81033	George Street Surgery
N81034	Boughton Health Centre
N81038	Malpas Surgery/Laurel Bank
N81039	The Oaklands
N81040	High Street
N81042	Manchester Road Medical Centre
N81043	Haslington
N81044	Hungerford
N81046	Park Medical Centre
N81047	Kiltearn
N81049	Annandale Medical Centre
N81050	Great Sutton - Dr Griffith
N81051	Weaverham
N81052	Lawton House Surgery
N81053	Earnswood
N81055	Watling Street
N81060	Neston Surgery
N81061	Witton Street
N81062	Cumberland House
N81063	York Road Group Practice
N81067	Oakwood MC
N81068	Grosvenor
N81069	Chelford Surgery
N81070	Handforth Health Centre
N81071	Scholar Green
N81074	Launceston
N81077	Holmes Chapel Health Centre
N81079	The Elms Medical Centre
N81080	Northgate Medical Centre
N81081	Garden Lane Medical Centre
N81082	City Walls Medical Centre
N81084	Rope Green

N81085	Park Lane House Medical Centre
N81086	Wilmslow Health Centre
N81087	Danebridge
N81088	Park Green Surgery
N81090	Tudors
N81092	Hope Farm Medical Centre
N81093	Whitby JS
N81100	Upton Village Surgery
N81101	Handbridge Medical Centre
N81102	Hoole Road Surgery (Fountain)
N81111	Merepark
N81113	Middlewich Road
N81115	Lache Health Centre
N81117	Old Hall Surgery
N81118	Meadowside Medical Centre
N81120	Kelsall Surgery
N81121	Northgate Village Surgery
N81123	Willow Wood
N81125	Neston Medical Centre
N81127	Weavervale
N81607	Westminster Surgery
N81614	Wrenbury Surgery
N81624	Rookery Surgery
N81626	Western Avenue
N81632	Broken Cross Surgery
N81642	Watersedge MC
N81655	St Werburghs Medical Practice
Y04664	Willaston Surgery
St Helens	
N83054	Bethany Medical Centre
N83027	Central Surgery
N83604	Cornerstone Surgery
N83635	Crossroads Surgery
N83624	Dr Rahil Surgery
N83614	Eccleston Medical Centre

N83008	Ferguson Family Mp (Berrymead Medical Centre)
N83021	Four Acre Surgery
Y00475	Garswood Surgery
N83017	Hall Street Medical Centre
N83020	Haydock Medical Centre
N83060	Holly Bank Surgery
N83049	Kenneth Macrae Medical Centre
N83007	Lingholme Hc
N83053	Longton Medical Centre
N83005	Vista Road Surgery
Y02510	Marshalls Cross Mc
N83012	Mill Street Medical Ctr
N83637	Newholme Surgery
N83628	Newton Community Hospital Practice
N83045	Newton Medical Centre (Bridge St Surgery)
N83003	Ormskirk House Surgery
N83023	Park House Surgery
N83026	Parkfield Surgery
N83002	Patterdale Lodge
N83006	Phoenix Medical Centre
N83001	Rainbow Medical Centre
N83041	Rainford Health Centre
N83010	Rainhill Village
N83620	Sandfield Medical Centre
N83035	Spinney Medical Centre
N83050	The Bowery
N83054	Bethany Medical Centre
N83027	Central Surgery

ANNEX B – Data to be shared

The specific data items will only be coded (structured) data, that is to say no free text (unstructured) data. As noted in the section on access controls the data will be strictly governed as anonymised-aggregate, pseudonymised and only as person identifiable for the purpose of direct care. Additionally, for use cases beyond those given in this agreement there will be the additional governance of a Data Asset and Access Group (DAAG) to ensure full compliance with the parameters of this data sharing agreement

This Annex provides the categories of data to be shared from GP; Acute; Mental Health; Community; and Social Care (children and adult). The table incudes a brief description of the data categories and the use case(s) within which the data will be used for:

Use Case 1: Epidemiology Reporting

Use Case 2: Predicting outcomes and population stratification of vulnerable populations

Use Case 3: For planning current services and understanding future service provision

Use Case 4: For evaluation and understanding causality

1. Social Care – Child

NOTE: no free text will be extracted. Only coded data.

Item (data spec doc cross reference)	Field Name	Description	Use Case
1.1	**Extract Identifier**	Reference data item	Reference data item
1.2	**Person Core**	Patient Identifiable Data	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
1.3	**Person Extended**	Patient Identifiable Data	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
1.4	**Referral**	**Open referrals** and **referrals** that have closed since a predefined number of months prior to go live of the export.	**Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
1.5	**Event**	The data range of active events or which have an end date after the predefined number of months prior to go live of the export: • Assessment • Meetings • Case Notes **This does not include the free text associated with the event**	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
1.6	**Alert**	**Alerts** of the following types that are still active or have an end date after the predefined number of months prior to go live of the export: • Child Protection • Child in Need • Child Looked After • Missing Person • Hazard • MARAC	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 4:** Evaluation and Causality **Proposal: due to sensitive nature of codes this category may be excluded from the extract**
1.7	**Disability**	**Disabilities** that are still active or have an end date after the predefined number of months prior to go live of the export.	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population

			Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
1.8	**Related Person**	**Relationship Types** and **Relationship Flags**	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
1.9	**Practitioner (staff type)**	Only those **Practitioner** involvements that are still active or have an end date after the predefined number of months prior to go live of the export.	**Use Case 3:** Planning and Future Service Provision
1.10	**Classification**	**Primary Support Reasons** that are still active or have an end date after the predefined number of months prior to go live of the export: may include: • Physical support – Access and mobility • Social support – Substance misuse • Sensory support • Mental Health support • Learning Disability support	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality

2. Social Care – Adult

Item	Field Name	Description	Use Case
2.1	**Extract Identifier**	Reference Data Item	Reference Data Item
2.2	**Person Core**	Patient Identifiable Data	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
2.3	**Person Extended**	Patient Identifiable Data	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
2.4	**Referral**	**Open referrals** and **referrals** that have closed since a predefined number of months prior to go live of the export.	**Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
2.5	**Event**	Consider the data range of active events or which have an end date after the predefined number of months prior to go live of the export: • Assessment • Safeguarding • Organisational Safeguarding Case • Deprivation of Liberty Safeguards (DOLS)	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
2.6	**Alert**	**Alerts** that are still active or have an end date after the predefined number of months prior to go live of the export. • Risks • Special Factors	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 4:** Evaluation and Causality **Proposal: due to sensitive nature of codes this category may be excluded from the extract**
2.7	**Disability**	**Disabilities** that are still active or have an end date after the predefined number of months prior to go live of the export.	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision

			Use Case 4: Evaluation and Causality
2.8	**Related Person**	**Relationship Types** and **Relationship Flags**	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
2.9	**Practitioner (staff type)**	Only those **Practitioner** involvements that are still active or have an end date after the predefined number of months prior to go live of the export.	**Use Case 3:** Planning and Future Service Provision
2.10	**Classification**	**Primary Support Reasons** that are still active or have an end date after the predefined number of months prior to go live of the export: may include: • Physical support – Access and mobility • Social support – Substance misuse • Sensory support • Mental Health support • Learning Disability support	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
2.11	**Care Plan**	Care plans linked to referrals that have been exported in the Referral data file that are still active or have an end date after the predefined number of months prior to go live of the export.	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
2.12	**Service Provision**	All service provisions linked to care plans that have been exported in the Care Plan data file should be included. Those that are still active or have an end date after the predefined number of months prior to go live of the export should be exported.	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
2.13	**Care Plan Need and Outcome**	All needs and outcomes linked to care plans and service provisions that have been exported in the Care Plan data file.	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision

			Use Case 4: Evaluation and Causality

3. Acute

Item	Field Name	Description		Use Case
3.1	**Demographics**	Data items supported as part of the MPI Load. • Surname • NHS Number (and validation status) • DOB • Sex • Address • Postcode • Death Status and Death Date • Ethnic Group		**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
3.2	**Medications**			**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
3.3	**In-Patient**	Unique Identifier (Event ID) Admission Date Stay Type Ward Specialty Admission Type Admission Category Admission Source Diagnosis	Consultant Admitting Doctor Attending Doctor Transfer Date Transfer Reason Discharge Date Discharge Method Discharge Destination Procedures	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
3.4	**Out-Patient**	Unique Identifier (Event ID) Originating Referral ID Referral Date Referral Outcome Referral Priority	Referral Disposition Referral Type Referral Category Speciality	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification.

				Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
3.5	**A&E**	Unique Identifier (Event ID) Attendance Date Discharge Date Discharge Method Diagnosis	Discharge Destination Location Consultant Referring Doctor Procedures	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
3.6	**ICE/PathologyResults**	Pathology Results Direct from Labs or from the ICE system		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 4:** Evaluation and Causality

4. Community (Individual Spec document for each item)

Item	Field Name	Description	Use Case
4.1	**Demographics**	Data from the demographics CSV will be used for creating or updating the demographics of a patients.	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
4.2	**Referral**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
4.3	**Alerts**	When providing Alert information, each message will need to contain all the current available Alerts for a patient i.e. the file would not be expected to contain historic alerts (inactive/ended)	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 4:** Evaluation and Causality **Proposal: due to sensitive nature of codes this category may be excluded from the extract**
4.4	**Community Health**	• Immunisations • Care Plan • Problems • Interventions • Encounters & Appointments • Diagnosis • Medications	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
4.5	**Allergies**		
4.6	**Contacts**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision

			Use Case 4: Evaluation and Causality

5. Mental Health (Individual Spec document for each item)

Item	Field Name	Description	Use Case
5.1	**Demographics**	Data from the demographics CSV will be used for creating or updating the demographics of a patients.	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only
5.2	**Referral**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
5.3	**Alerts**	When providing Alert information, each message will need to contain all the current available Alerts for a patient i.e. the file would not be expected to contain historic alerts (inactive/ended)	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 4:** Evaluation and Causality **Proposal: due to sensitive nature of codes this category may be excluded from the extract**
5.5	**Care Programme Approach (CPA)**	• Diagnosis • Mental Health Act • Risk Assessment • Risk Scores • Risk Plans • Early Intervention in Psychosis (EIP) **Free text will not be included.**	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
5.6	**Contacts**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality

6. General Practice

Item	Field Name	Description	Use Case
6.1	**GP COVID-19/Advance Care Planning**	• GP COVID-19 Status • GP Advance Care Planning • Alerts	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.2	**Allergies Summary**		
6.3	**GP Medications Issued**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.4	**GP Repeat Medications**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.5	**GP Problems**	• Active Problems • Past Problems • Additional Problems	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality

6.6	**GP Results**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.7	**GP Vitals and Measurements**	Latest height/weight; latest blood pressure; latest physiological function result ordered by date descending.	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.8	**GP Lifestyle**		**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
6.9	**Additional GP Information**	- GP Encounter - Vaccinations & Immunisations - Contraindications - OTC and Prophylactic Therapy - Family History - Child Health - Diabetes Diagnosis - Chronic Disease Monitoring - Medication Administration - Pregnancy, Birth and Post Natal - Contraception and HRT - GP Imaging - Other Investigations - Investigations Administration - Operations - Obstetric Procedures - Other Diagnostic Procedures - ECG	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality

		• Other Preventative Procedures • Other Therapeutic Procedures • Recent Test Results (last 12 months)	
6.10	**Data Categories**	• Active Problems • Administration • Alcohol Exercise and Diet • Allergy • Blood Chemistry • Blood Pressure • Cervical Cytology • Child Health • Chronic Disease Monitoring • Contraception and HRT • Contraindications • Diabetes Diagnosis • ECG Pulmonary • Encounters • Family History • Full Problems List • Glucose/hba1c • Haematology • Height and Weight • Imaging • Investigations Admin • Medications Administration • Medication Issues • Microbiology • Obstetric Procedures • Operations • OTC Prophylactic Therapy • Other Cytology/Pathology • Other Diagnostic Procedures • Other Investigations • Other Preventative Procedures • Other Therapeutic Procedures • Past Problems • Physiology Function Tests • Pregnancy, Birth and Post Natal • Recent Tests • Referrals and Admissions • Repeat Medication • Smoking • Social History • Unmatched • Urinalysis • Vaccination and Immunisations	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality

7. General Practice - TPP

Item	Field Name	Description	Use Case
7.1	**Medications**	• Repeat Medications • Medications Issued	**Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality
7.2	**GP Problems**	• Active Problems • Past Problems • Additional Problems • GP Results • GP Lifestyle • Blood Pressure • Additional GP Information • GP Encounters/Administration • GP Encounters • GP Administration • Referrals • Radiology • Operations • Investigations • Contraception and HRT • Pregnancy, Birth & Post Natal • GP Family History • Contraindications • Vaccinations and Immunisations	**Use Case 1:** Epidemiology **Use Case 2:** Predicting Outcomes and Population Stratification. Re-id for direct care purposes only **Use Case 3:** Planning and Future Service Provision **Use Case 4:** Evaluation and Causality