

Electronic Cancer Registration Trusting the Trusts

Christine Head

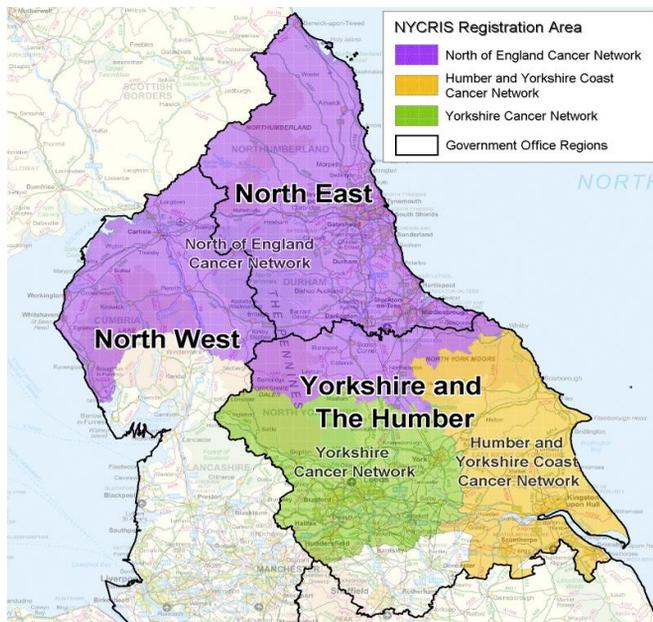
Data Quality and Development Manager

Andrew Moreton

Data Analyst

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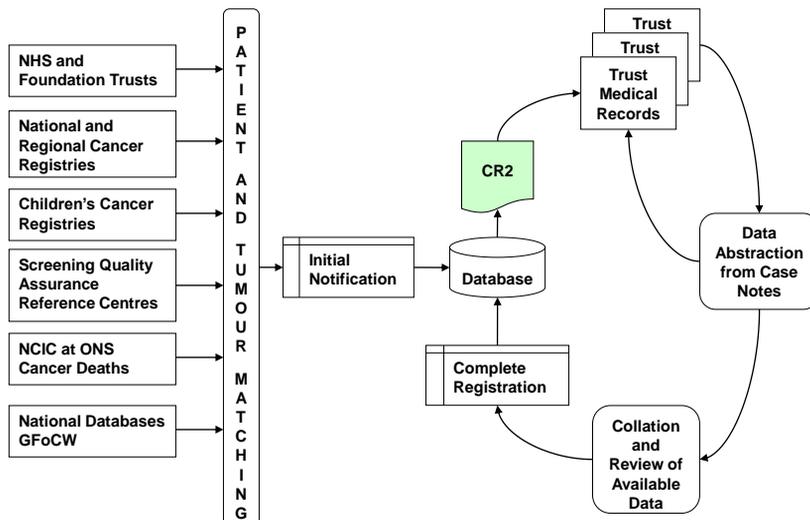
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NYCRIS Dataset

- Full online dataset maintained since 1975 (Card Index holds data from 1940s to 1974)
- 55,000+ new registrations
- 35,000 malignancies (excl NMSC)
- 12% UK total malignancies (excl NMSC)

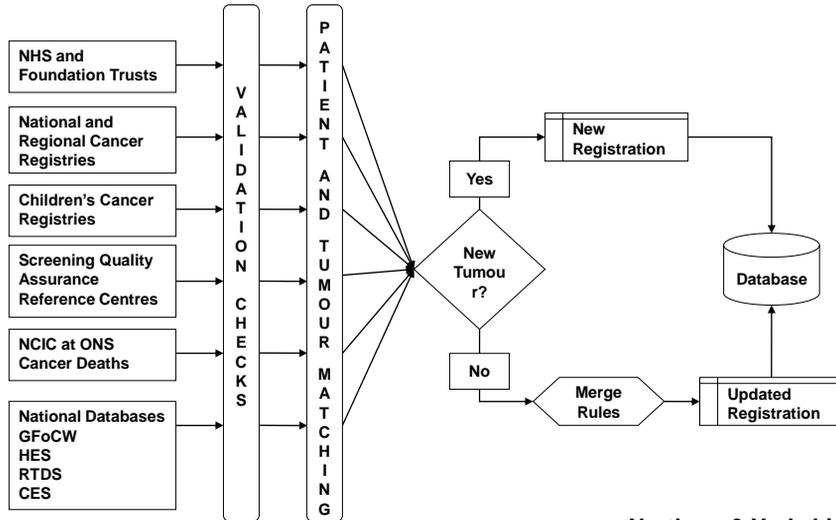
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Current Manual Process



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New Automated Process



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QA of Electronic Data

- **Content:** Does the electronic process have the capacity to capture the full CRDS and are the required data being provided in the specified format?
- **Audit:** Is electronic data for a given period comparable with manual registration for the same period?
- **Proportional Comparison:** Are the expected proportions of case being provided electronically based on historical data?

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Audit

- Preferred method of QA electronic data
- Problem – Registries are still completing data for 2008 diagnoses; many Trusts have implemented new systems or do not have complete data for this period
- Limited audit has been possible for one Trust for one month's data. There was good correlation between NYCRIS and Trust data in terms of case ascertainment and diagnosis.

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Content

- **System Capability:** Do the files provided by a Trust contain all the CRDS fields?
- **Range of Sites:** All registerable conditions, GFoCW or more than GFoCW?
- **MDT Data:** Does the data include at least one case from each of the Trust's MDTs?
- **Data Completion:** Is the trust capturing all the required CRDS data?
- **Data Validation:** Is that data being submitted in a readable format with valid codes?

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Proportional Comparison

- **Number of Cases:** Comparison against an average of the previous 3 complete diagnosis years
- **Proportion of Sites:** Combined proportion of Lung, Skin, Breast and Colorectal cancers consistent with historical expectations
- **Treatment Types:** Are the proportion of cases with each type of treatment consistent with historical expectations

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Content: System Capability

Trust System	No. Trusts	Test Data Sent	All CRDS Fields Present	Further QA
Somerset	5	5	4	4
Infoflex	3	1	1	1
PPM	3	1	0	NA
Dendrite	1	1	0	1
Local	3	0	-	-
None	4	0	-	-

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Content: Site Range

Sites	No. Trusts
All Registerable Conditions	1
GFoCW	2
GFoCW+	3

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Content: Data Provision

Data	No. Trusts Red	No. Trusts Amber	No. Trusts Green
MDTs	0	1	5
Completion	6	0	0
Validation	0	0	6

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Content: Completeness (1)

CRDS Category	% Complete						
	None	<10	10-25	26-49	50-74	75-90	>90
Demographics						2	4
Referrals				1	2	1	2
Diagnosis				1	3	2	
Imaging	1				4	1	
Cancer Care Plan				3	2	1	
Staging		5	1				

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Content: Completeness(2)

CRDS Category	% Complete						
	None	<10	10-25	26-49	50-74	75-90	>90
Surgery				1	4	1	
Pathology				3	1	1	1
Chemotherapy				2	3		1
Teletherapy					2	2	1
Brachytherapy	5				1		
Palliative Care					1		5
Clinical Trials	5						1
Death Details	2				1	2	1

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Proportional Comparison: Results

Proportion	No. Trusts Red	No. Trusts Amber	No. Trusts Green
Overall Cases	3	1	2
Lung, Skin, Breast and Colorectal Sites	2	2	2

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Issues Limiting Progress

- Trust engagement – no “big stick”
 - Late implementation of systems by Trusts
 - Lack of Trust resource
 - Additional workload (cases and data)
 - Trained staff
 - Insufficient time in MDT meetings
 - Incomplete data acquisition by Trusts
- “What is good enough?”
 - Measures of ascertainment

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