

RaDaR – how it all started

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ukkidneyhistory.org



Tomorrow's World, 7 July 1965

2008

Why is Rare Disease a problem?

- The patient perspective

- Patients with rare disease often consider themselves forgotten or lost
- European Council in 2009 described patients with rare disease as particularly isolated and vulnerable
- Features common to them all include:
 - the considerable hurdles to receiving optimal care
 - the difficulty obtaining a diagnosis
 - delay in time from presentation to review by an expert
 - lack of available therapy
 - lack of clinical research
 - lack of support and information sources

Requires a patient database, as a crucial starting point

The initial vision

- A sustainable long-term clinical database for all rare kidney diseases, open to all UK renal centres
- Ability to link with other databases, including international registries
- A central portal for professional and patient advice, and for the latest research in rare diseases

- A MRC focused grant call was issued in 2008, for **focused cohort building**
- Application submitted from Bristol, with **Mark Taylor** (Birmingham Children's Hospital) as a co-investigator
- Proposal was for 2 pilot cohorts – Paediatric SRNS and MPGN
- Aim was for **500 patients**
- Successfully awarded, with project commencement in 2009

Initial progress

A small group was formed, **Myself, Hugh McCarthy, Fiona Braddon, Mark Taylor, Neil Turner, Fiona Karet** - to establish:

- 1.Data field definitions
- 2.Employed a web developer, integrate access with UKRR
- 3.Governance structure and Rare Disease Group definitions
- 4.Flow of different types of data (Type 1 and Type 2 data)
- 5.Other aspects, e.g. logo, communications strategy, acronym (RaDaR)

We met regularly at the UKRR

Providing up-to-date medical information for patients and healthcare professionals

Renal PatientView

- Home
- Patient Details
- Patient Info
- Medical Info
- Results
- Medicines
- Letters
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- Forum
- Help

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logged in as: **turneran** [log out](#) [change password](#) 20 Nov 2007

Result panels: 1 2 3 4 > >|

Test results for andrew TURNER

Date and time	Label	Urea	Creatinine	K	Ca	AdjCa	PO4	Hb	wbc	plats	eGFR
31/10/07 14:15		3.5	81	4.5	2.39	2.31	1.12	143	5.5	210	100.4
27/09/07 12:00								137	5.0	211	
16/08/07		4.3	83	4.4	2.41	2.33	1.14	144	4.8	224	94.6
26/04/07 11:10		4.0	83	5.2	2.43	2.33	1.11	137	4.8	215	96.8
15/03/07		3.5	85	5.2	2.36	2.26	1.14	145	7.4	192	96.7
15/01/07 10:00		4.5	82	5.0	2.46	2.40	0.97	141	4.1	241	94.6

Patient Information Links for andrew TURNER

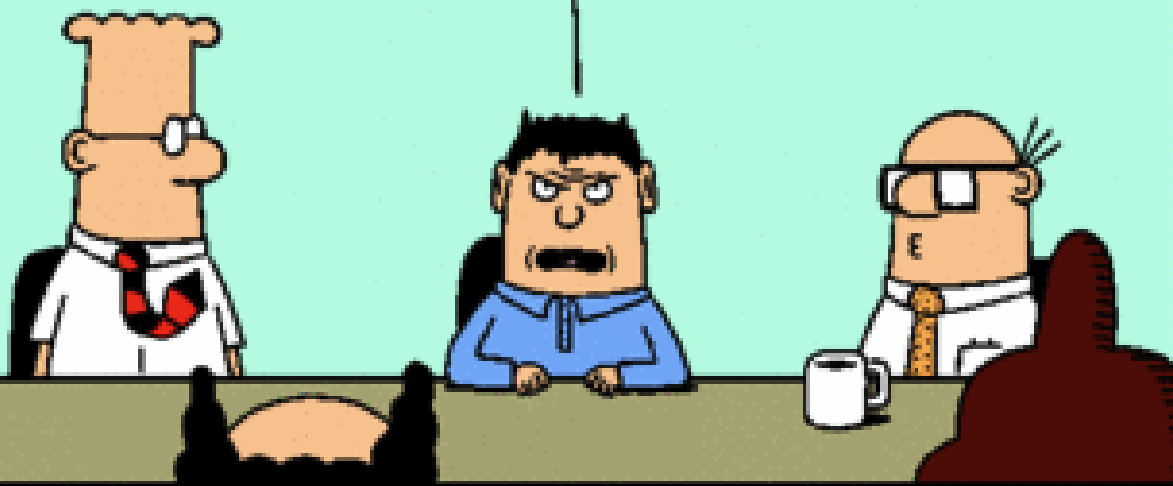
Primary Diagnosis:	Goodpasture's disease	Goodpasture's disease (long version) from EdREN Goodpasture's disease (short version) from EdREN
Treatment:	General nephrology (not dialysis, not transplant)	High blood pressure and kidney disease Chronic kidney disease: preventing it from getting worse Diet for people with kidney disease
Further information		Kidney info from the NKF Kidney words explained (EdREN) Kidney and urologic diseases from the NIDDK See all our info links (on all diseases and





MORDAC, THE PREVENTER
OF INFORMATION
SERVICES.

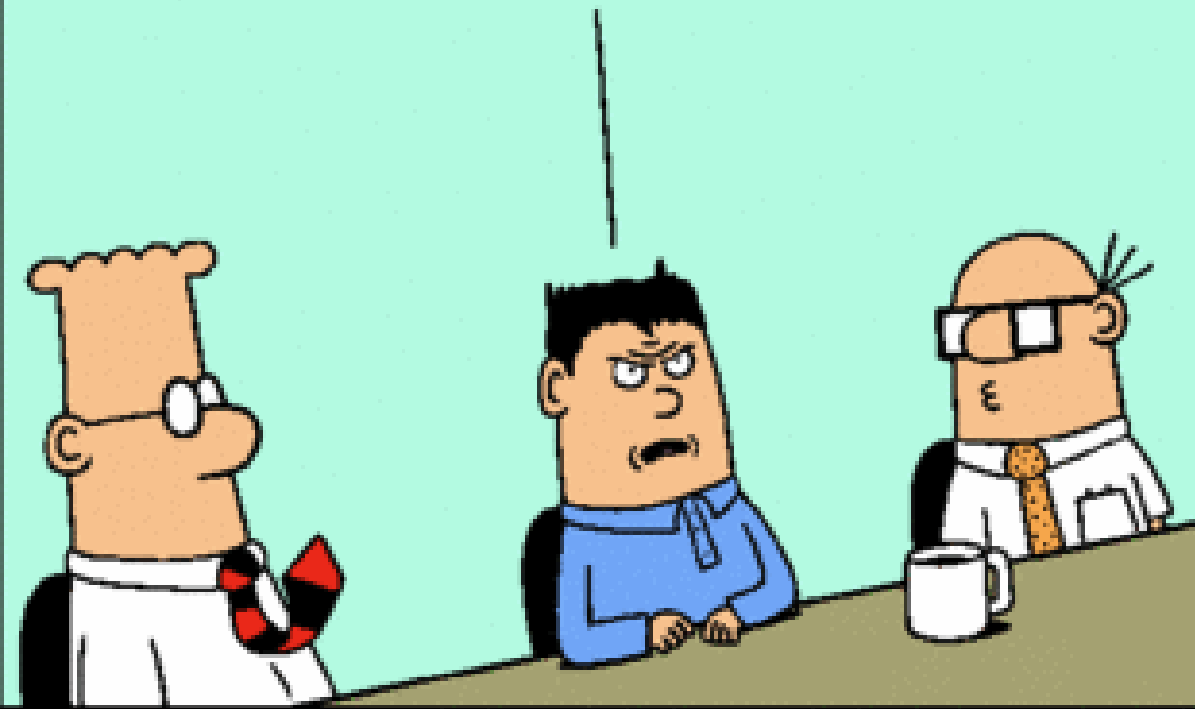
SECURITY IS MORE
IMPORTANT THAN
USABILITY.



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IN A PERFECT WORLD,
NO ONE WOULD BE
ABLE TO USE ANYTHING.



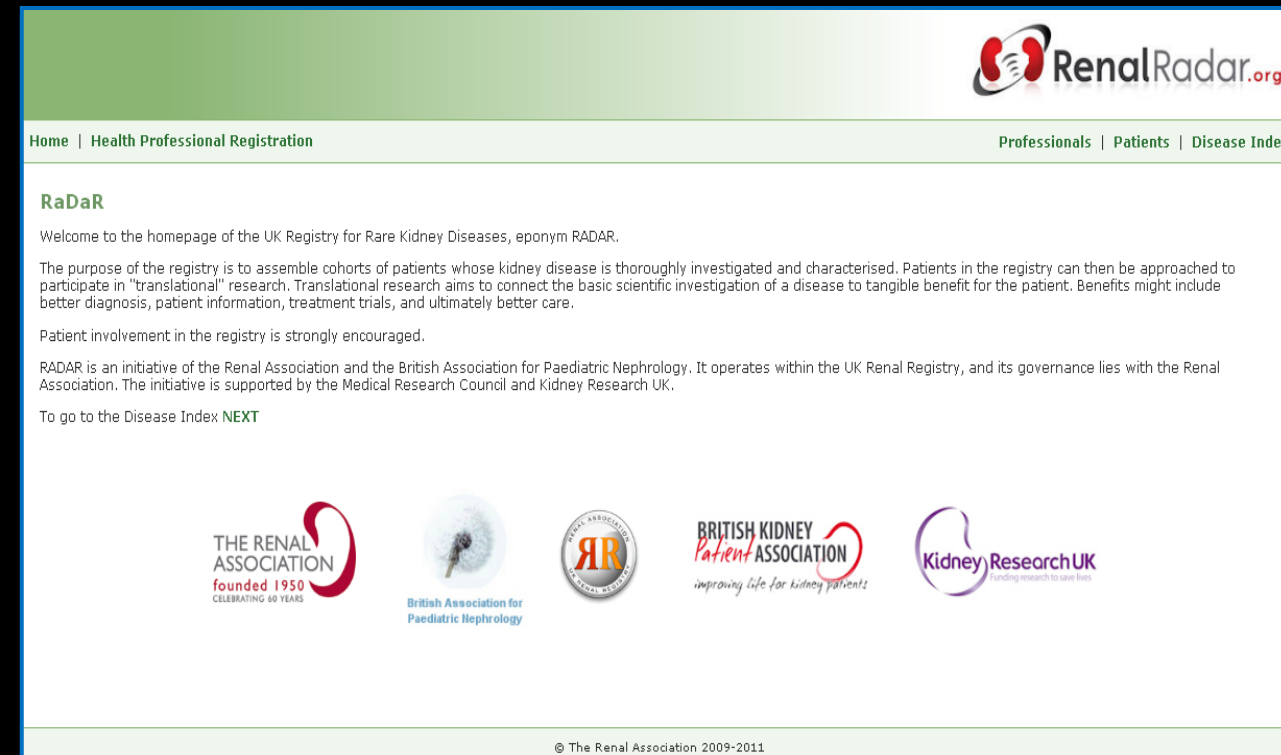
The National Registry of Rare Renal Disease



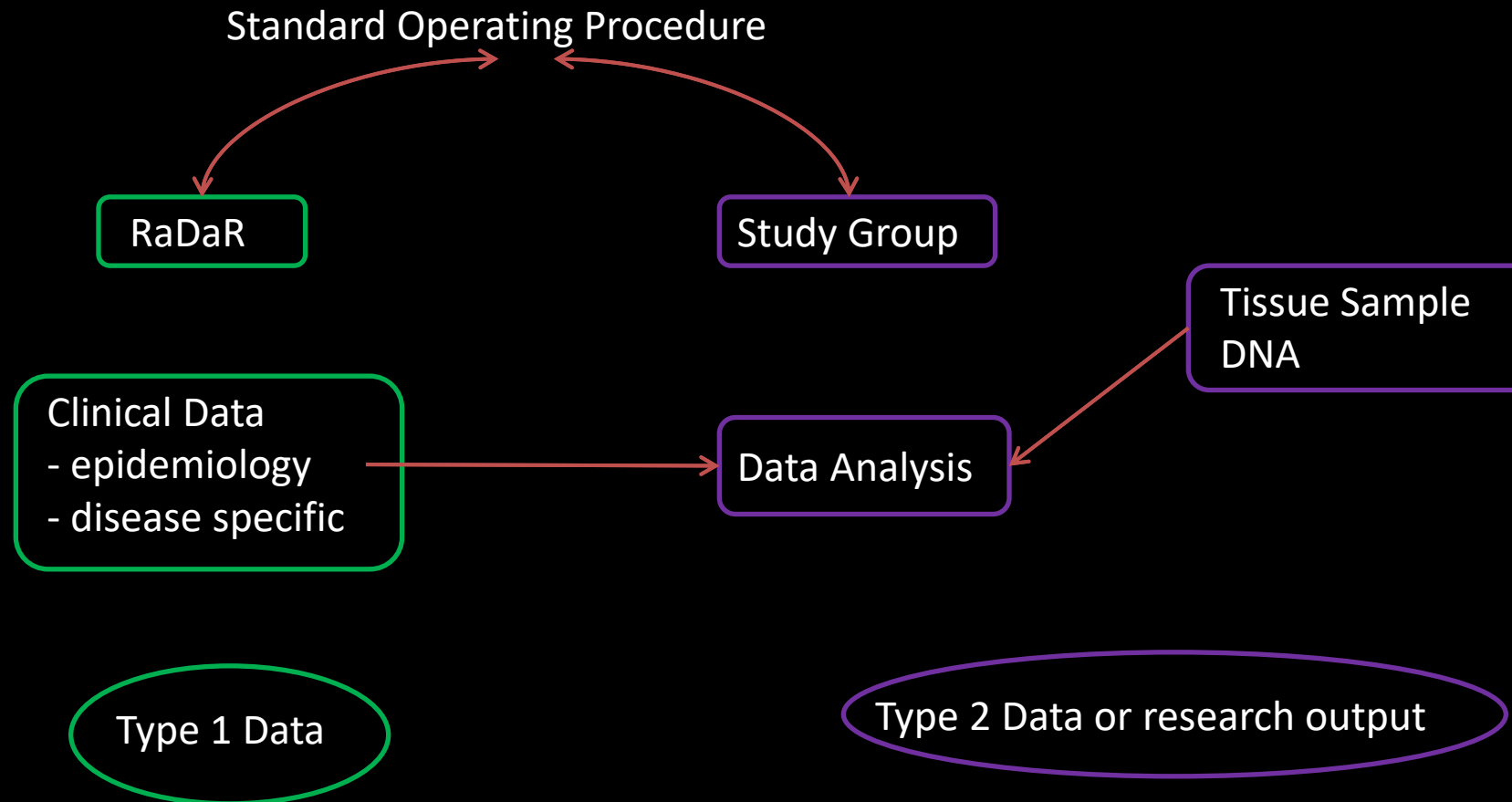
- A database fronted by a website.
- Developed utilising the IT infrastructure of the UK Renal Registry.
- Designed to build national cohorts of patients with rare kidney disease to enable multi-faceted and innovative research.
- Now links with Renal Patient View

The first two projects utilising this registry:

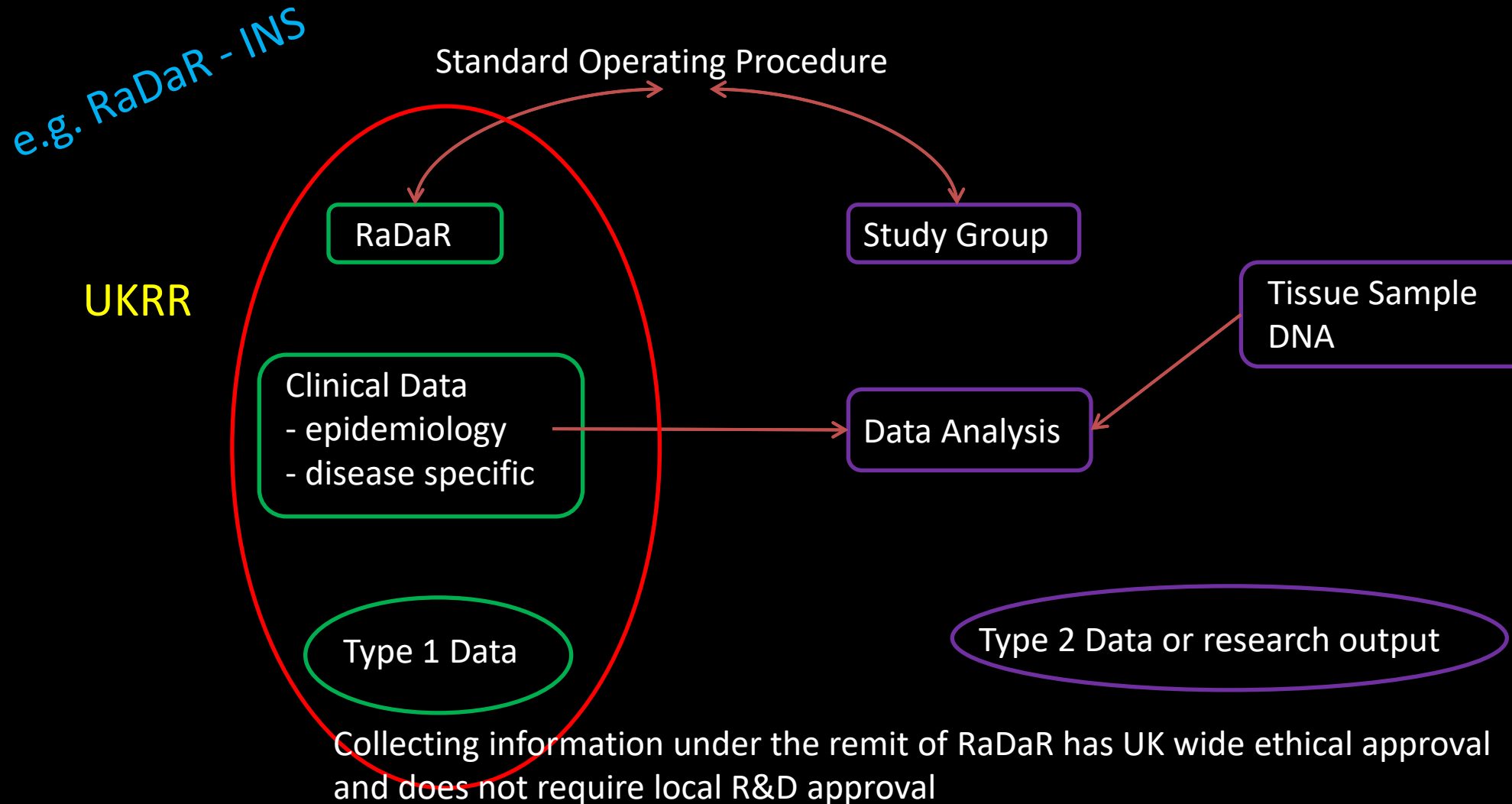
- Steroid Resistant Nephrotic Syndrome
- MembranoProliferative GlomeruloNephritis



RaDaR – a registry with the capability to create disease specific studies



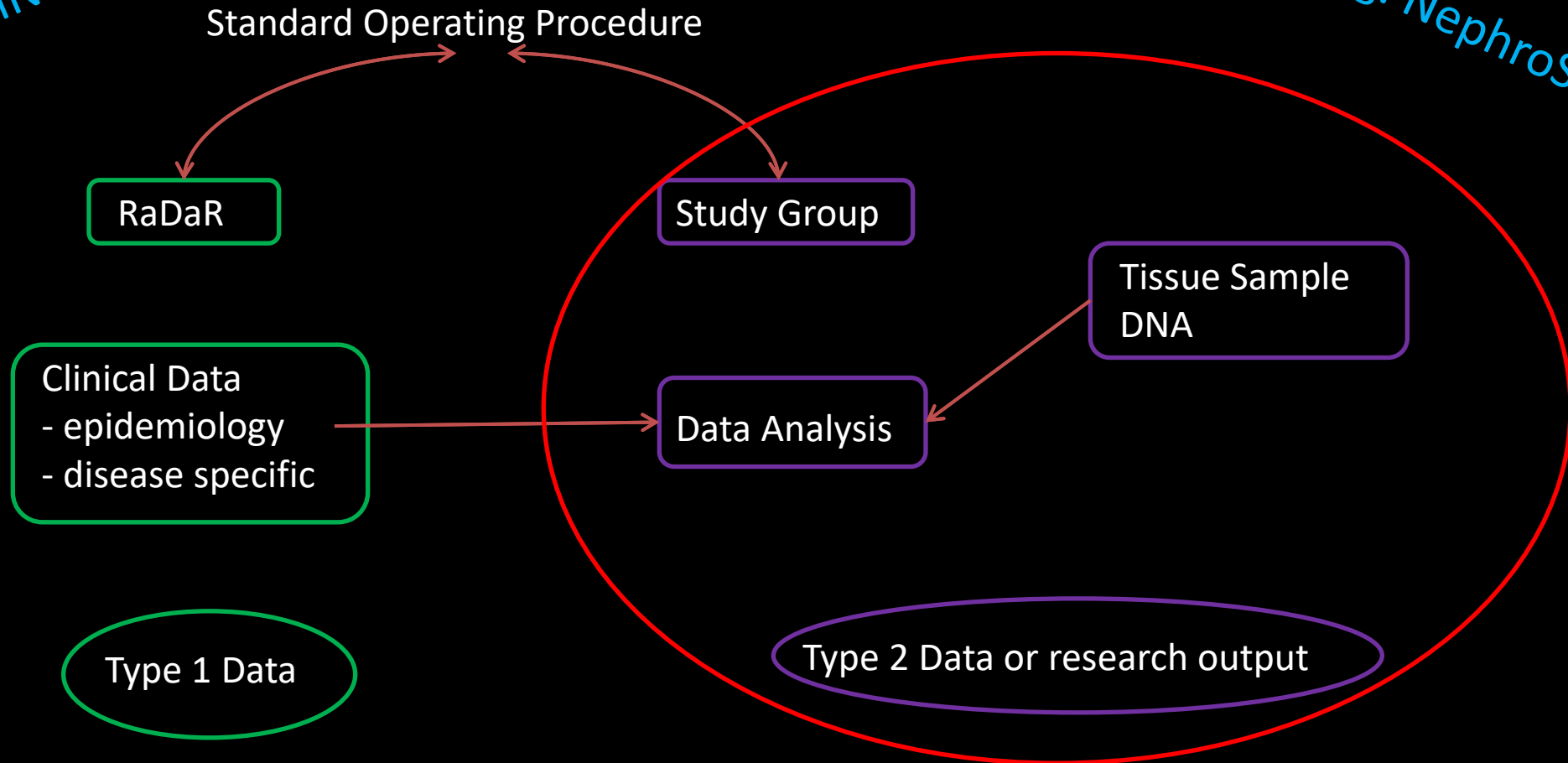
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e.g. RaDaR - INS

e.g. Nephros study



Study groups need separate ethical approval to undertake detailed studies

UK Renal Rare Disease Registry



- INFRASTRUCTURE – secure web based – clinician and patient logins
- EDUCATION –
- Information for Clinicians
 - Up to date literature/research reviews
 - Management and diagnostic protocols written by expert groups
- Information for Patients
 - Information on the disease in lay terms, tests involved, medications often used and current research
- All information available on the website
 - Patient data
 - Latest research
 - Patient forums

Capability and roll-out of RADAR

- COMPREHENSIVE to cover all of UK (60 million population)
 - Enrolled all 13 UK Pediatric Nephrology Centres (first wave)
 - Next enrolled all UK Adult Nephrology Centres
 - Links in place to upload data continuously from UK renal IT systems

The bigger picture

- Plenty of registries have come and gone, depending on the enthusiasm of the clinicians
- RADAR needs to be built into a wider strategy for Rare Disease, that is well governed and sustainable



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