

Biobanking for the public, by the public: reducing costs and increasing participation

Dr Alison Parry-Jones

Wales Cancer Bank



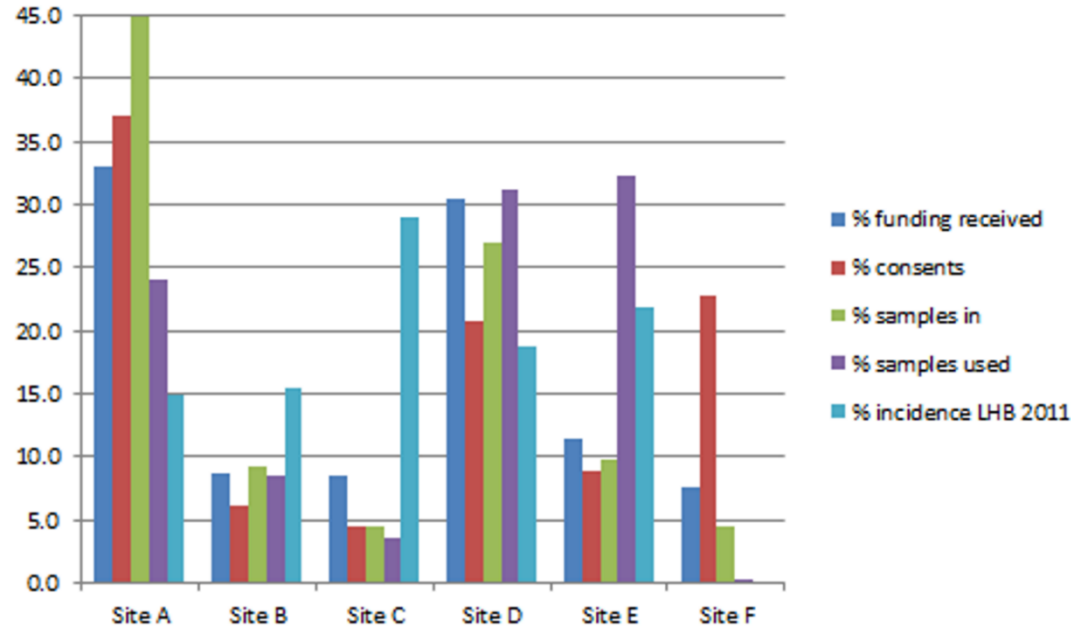
What and Why?

- ▶ The Wales Cancer Bank has implemented a programme where (trained) members of the public consent patients to donate samples to the biobank
- ▶ Improving public involvement and engagement
- ▶ Sustainability
 - ▶ Social and Financial
- ▶ Fundamental review of first 10 years of activity

2014 review*

Looked at:

- Collection activity (by site)
- Samples requested and issued
- Processing requirements
- Where/how funding was allocated
- Potential impacts of changing:
 - collection strategy
 - types samples
 - consenting model



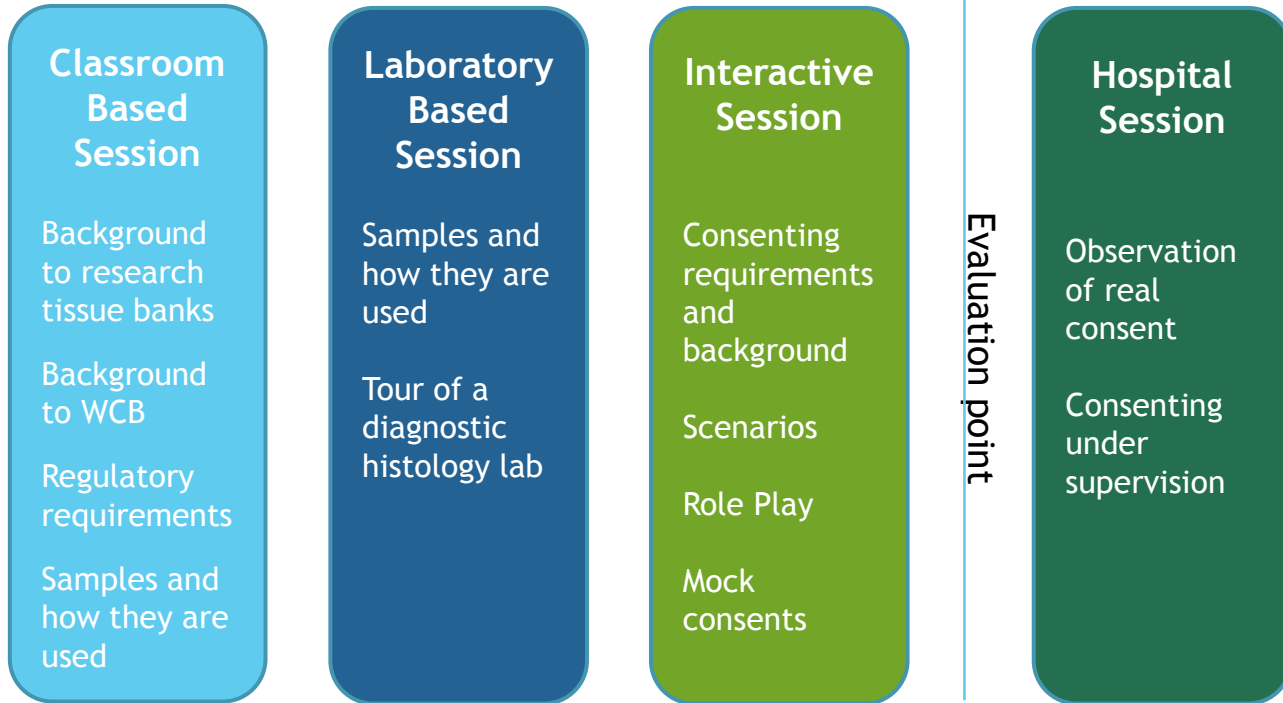
* Parry-Jones A, 'Assessing the Financial, Operational, and Social Sustainability of a Biobank: The Wales Cancer Bank Case Study' *Biopreservation and Biobanking*, (2014) 12 (6), 381-388

Cost v Benefit

Action	Cost	Benefit	Outcome
Introduce volunteer consenting	Extensive training and supervision needed	Supplement clinician and/or nurse consenting	Investigate potential with one hospital to pilot*
		Increased patient/public involvement	
		Increased social sustainability	

* Velindre Cancer Centre - tertiary referral centre

Training and Assessment



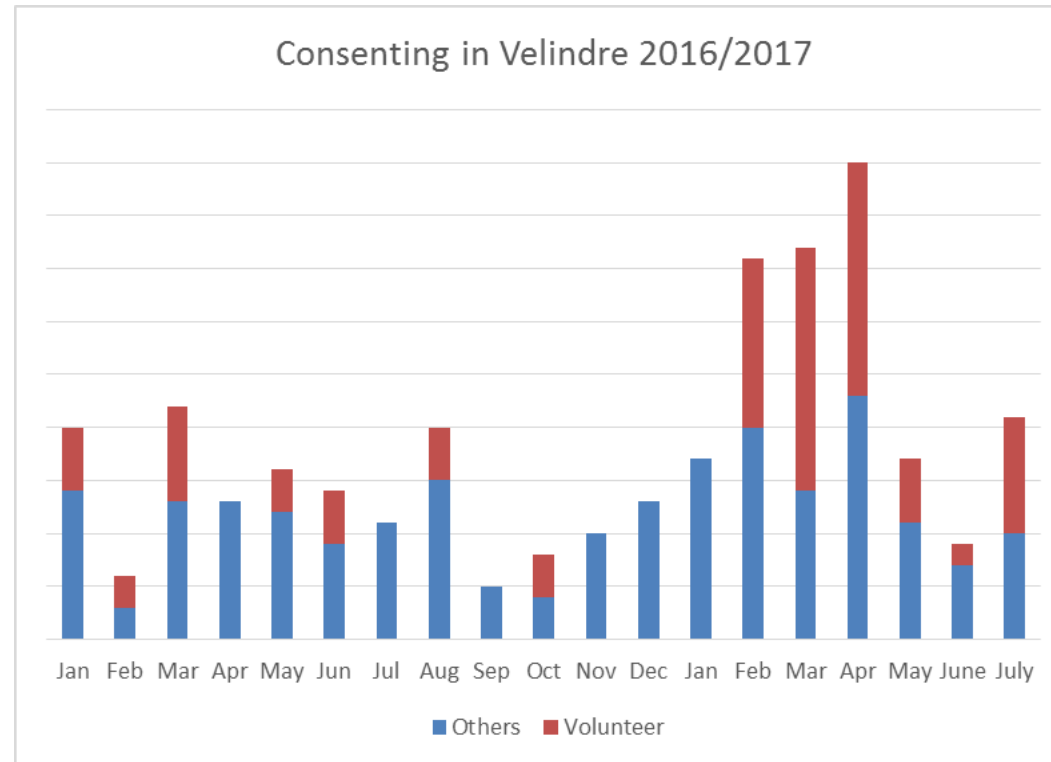
The training programme was delivered as 4 sessions; 1 classroom based, 1 laboratory based, 1 mixed classroom and interactive session and hospital (clinic) based training.

Volunteers were evaluated before proceeding to the hospital based training.



Impact

- ▶ 52% increase in number of patients consented since the programme started
- ▶ Volunteers consented 44% of patients consented in Velindre in 2017



Impact

2013/2014 activity	FTE nurses	consents per fte	Number Samples per:		Site Funding £	Cost per consent £	Cost per sample £
			donation	fte nurse			
Site F	1.0	418	1.1	462.0	40,400.00	96.65	87.45
Average		219	6.0	1151.3	87646.67	348.34	63.78

2016/17 - with volunteers

Paid fte	consents per paid fte	samples		site funding £	cost per consent £	cost per sample £
		per donation	per fte nurse			
1.0	502	1.1	602	40,400.00	67.11	51.01

Result = a more sustainable (financially) collection site

Feedback

'The training programme is fit-for-purpose and has been successfully reviewed by the Health and Care Research Wales Support Centre'

GCP Training Manager, HCRW

'I feel comfortable talking to patients, they know we're volunteers and can't talk about their treatment, but the training prepared us well to talk about biobanking'

'The volunteers have been eager to learn and their feedback has changed the way the 'professional' staff are trained'
WCB Clinical Director

'I look forward to Mondays and come away uplifted and hoping I have made a small difference to patients' visits in a good way'

'The volunteers have a very professional approach and I have no concerns over them talking to patients. They know when to step back and they work well with the clinical staff'

Oncologist

Acknowledgements

- ▶ Velindre Cancer Centre
 - ▶ Velindre Clinical Trials Unit
 - ▶ VCC patients
- ▶ Lay volunteers:
 - ▶ Dee Barry
 - ▶ Marion Harris
 - ▶ Jean Hopkins



- ▶ Nottingham Health Science Biobank



Contact

Email: parry-jonesa@cf.ac.uk



walescancerbank@cardiff.ac.uk



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