PROVIDING CANCER INFORMATION AND STATISTICS FOR GP COMMISSIONING CONSORTIA

"Liberating information, improving outcomes" UKACR/NCIN Conference 2011 16th June 2011

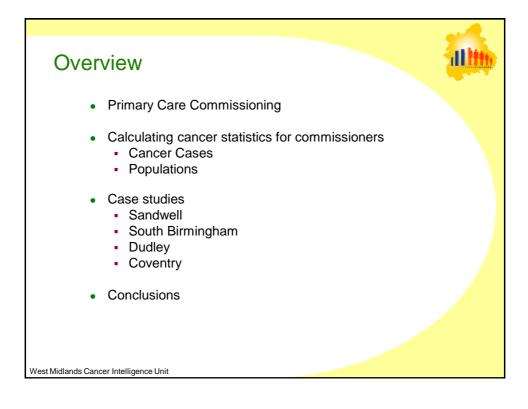
Diane Edwards

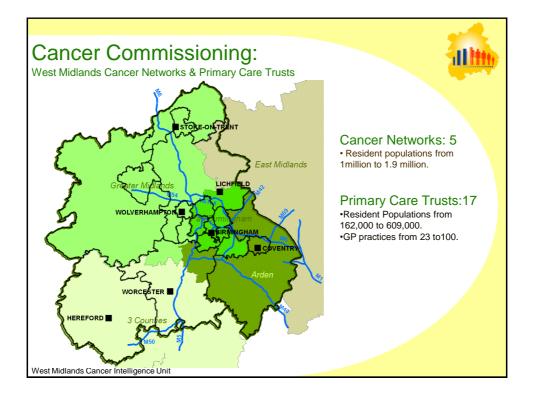
GIS Specialist Cancer Information West Midlands Cancer Intelligence Unit

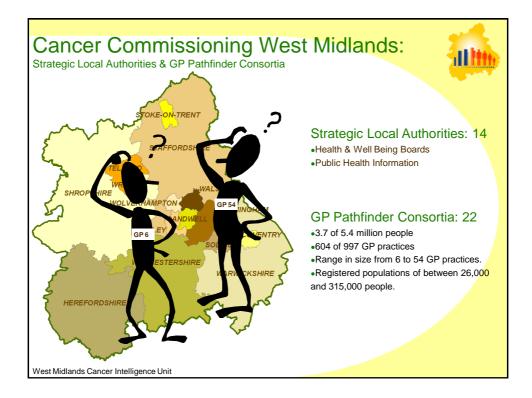
Assisted by: John Broggio, Tim Evans, Sally Vernon, Gill Lawrence

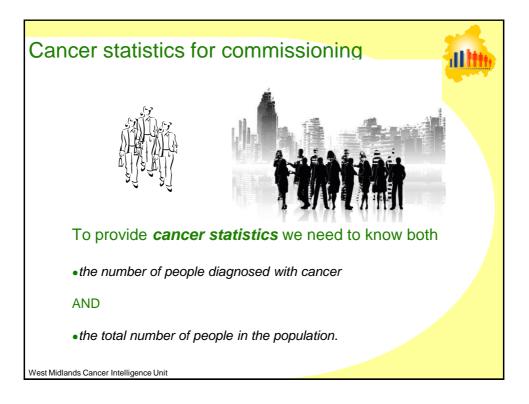
Tel: 0121 414 8070 Fax: 0121 414 7712 E-mail: diane.edwards@wmciu.nhs.uk

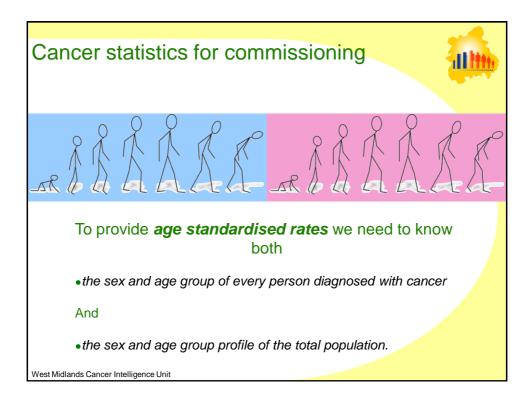
West Midlands Cancer Intelligence Unit











Calculating Cancer Statistics

Method 1:

Registered Patients & GP Populations

Relies on the identification of GP practice in every patient record in the Cancer Registry Database to extract cancer cases.

AND

An aggregate population profile for every GP Consortia based on their GP practice patient lists.

Method 2:

Resident Patients Populations

&

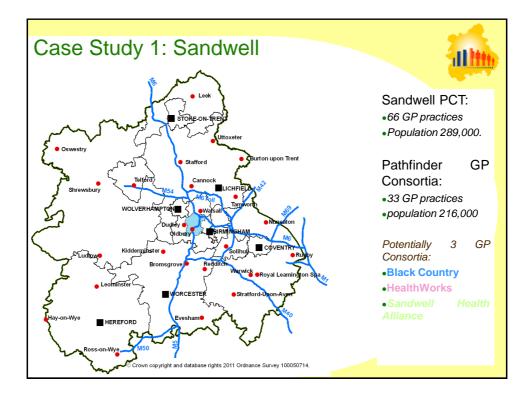
Relies on the identification of a geographical extent for each GP consortia. Cancer patients are allocated to the consortia based on their postcode of residence.

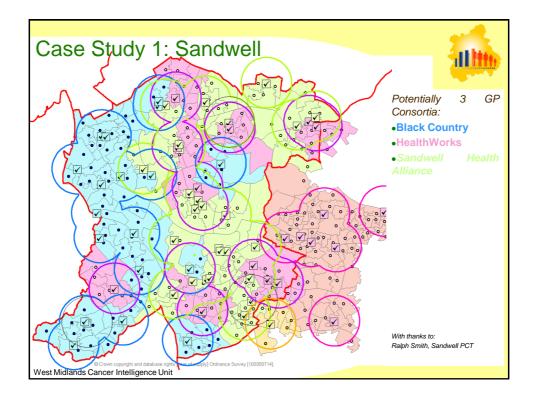
AND

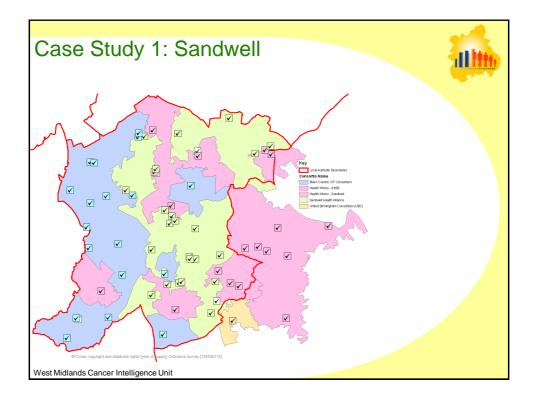
An aggregate population profile for geographical extent of each consortia based on standard statistical geographies. (Office for National Statistics annual mid-year estimates for Lower Super Output Areas).

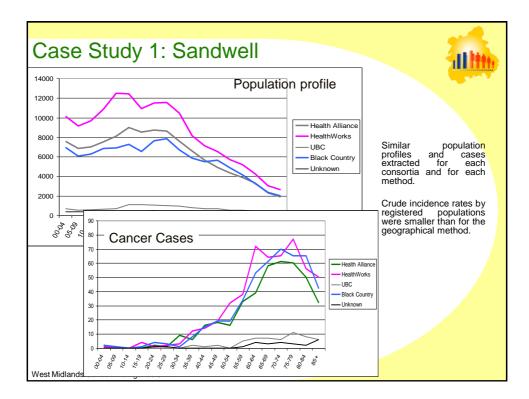
West Midlands Cancer Intelligence Unit

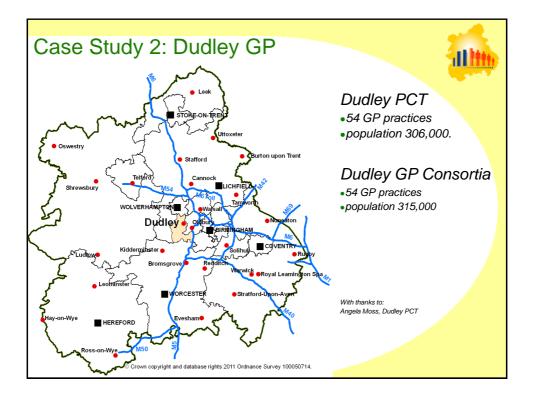
Data Sources	
Both methods will use cases identified in the National Cancer Repository Dataset for cases diagnosed in 2007.	
Method 1: Registered Cases	Method 2: Resident Cases
& GP Populations	& Populations
Cases:	•Locate all active GP practices identified in CfH Attribution Dataset.
Extract GP consortia cases based on GP practice code.	 1km Buffer around each practice location.
Populations: GP practice patient profiles based	 Identify all statistical areas (LSOAs) that intersect each buffer.
on NCIN's Cancer Commissioning toolkit.	Aggregate LSOAs to consortia based on GP code.
	 Assign cases and population demographics to GP consortia.
West Midlands Cancer Intelligence Unit	

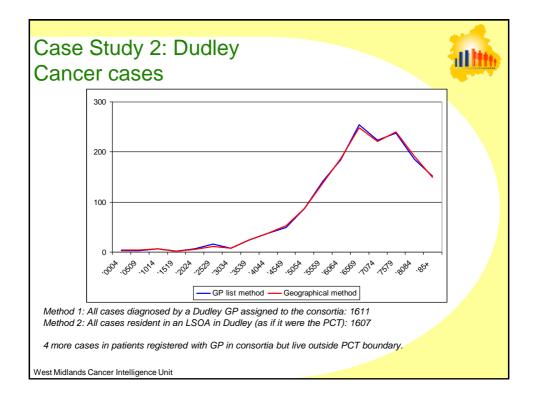


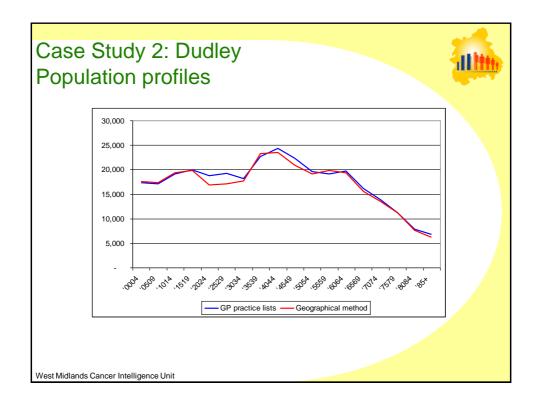


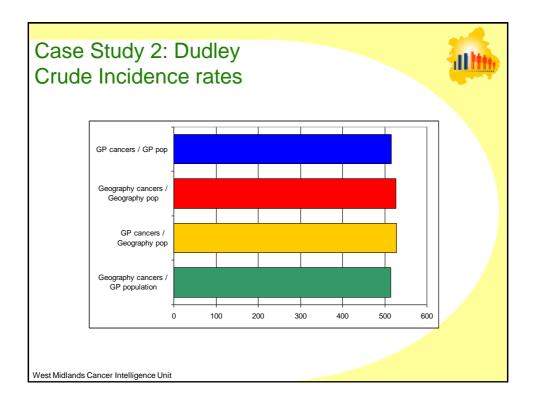


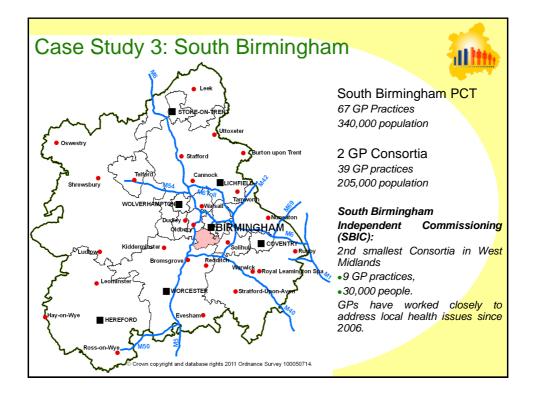


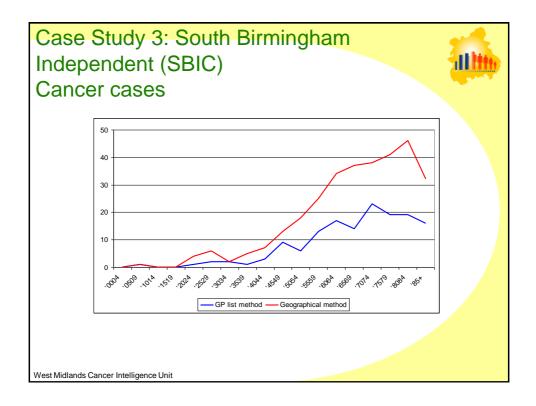


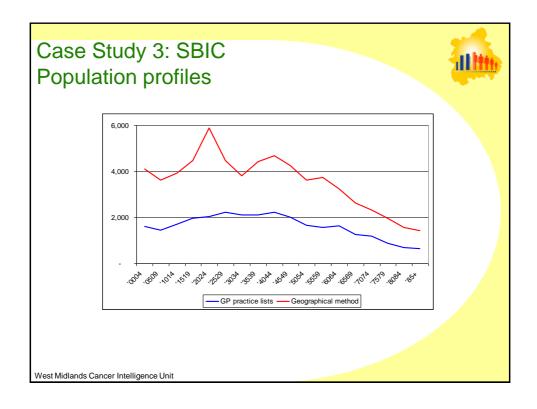


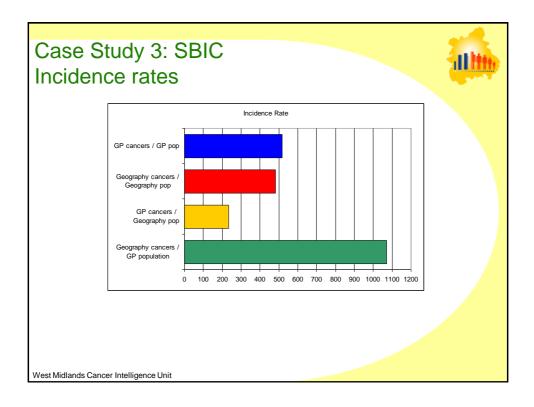


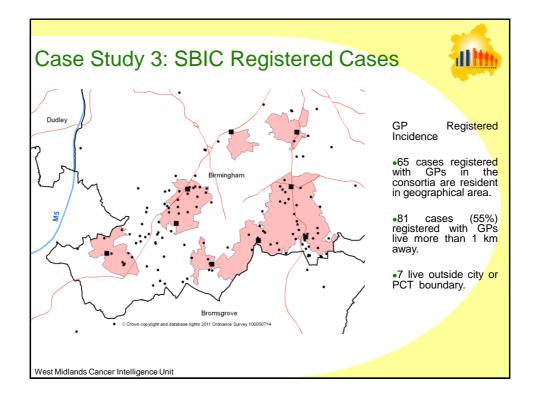


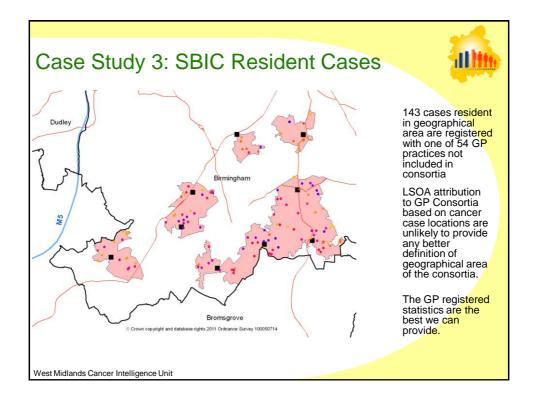


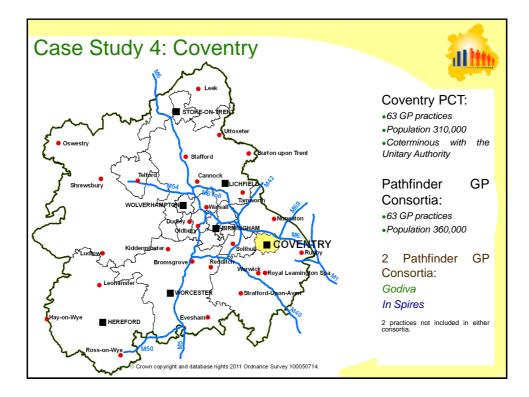


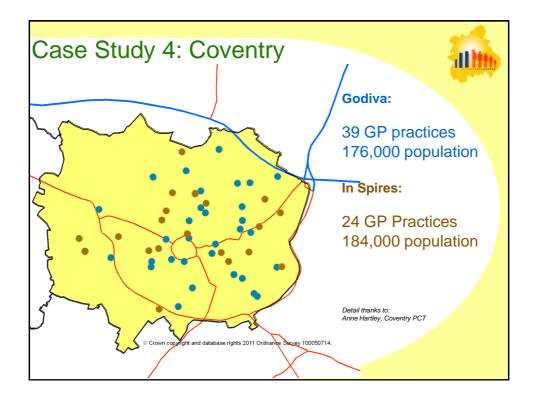


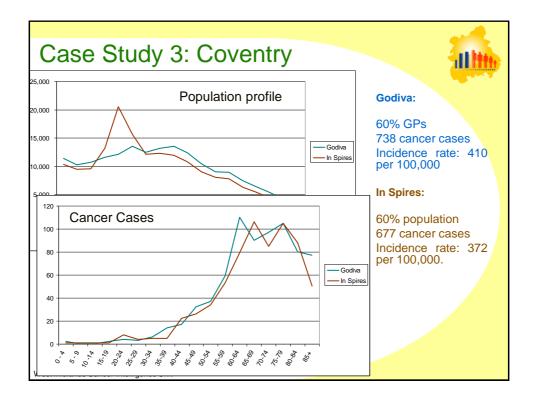


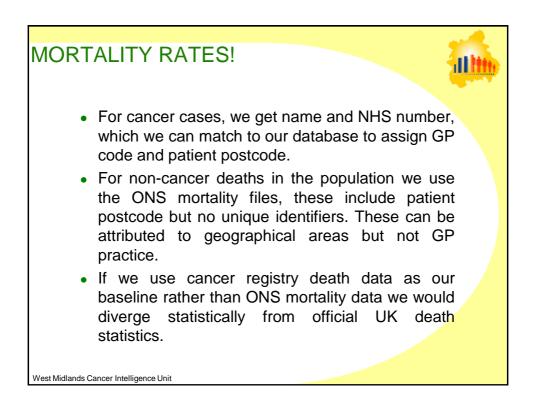


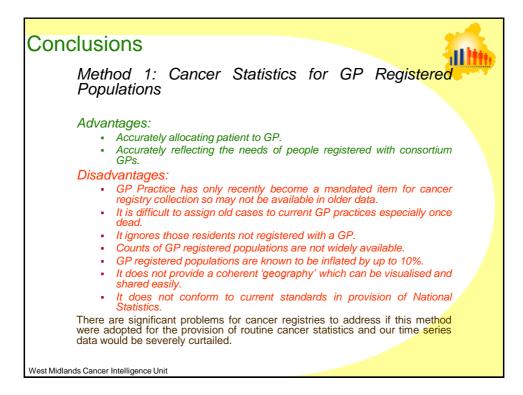


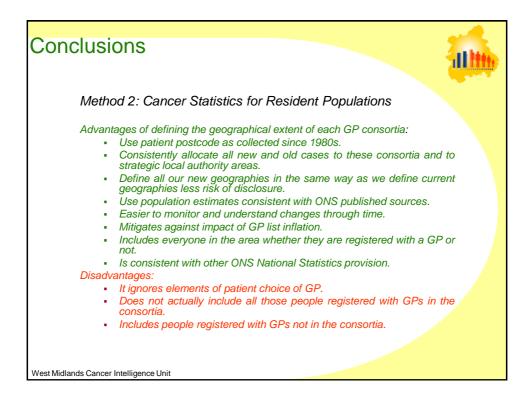












Conclusion

- Cancer Statistics for GP Consortia based on registered populations may reflect patient choice but will also reflect practice list inflation and diverge from official national statistics.
- The smaller the GP consortia group the less reliable cancer statistics will be and greater the risk of disclosure of individual information.
- To provide consistent cancer statistics of national statistics quality both a statistical geographical extent and a denominator population is needed.
- GP Consortia must commission services for patients registered with GP and those resident in area but not registered with a GP to ensure most efficient commissioning of cancer services.

West Midlands Cancer Intelligence Unit