

Introduction to GIS : A Demonstration Using MapInfo GIS Software

Francis P. Boscoe, Ph.D.

New York State Cancer Registry

Albany, NY

- Electronic Patient Record System - mechanism by which records are created, used, stored and retrieved (Brunskill 2002)
- Geographic Information System - tool for the collection, storage, retrieval, manipulation and display of spatial data

3 levels of GIS engagement:

- GIS use
- GIS programming
- GIS application development

	Software cost (\$US)	Expertise required	Time investment to produce first map	Time investment to produce first 1,000 maps
GIS use	\$1,500	Research scientist	20 minutes	333 hours (20 minutes x 1000)
GIS programming	\$2,500	Geographic information scientist	40 hours	40 hours
GIS application development	\$5,000+	GIS and Windows programmer	200 hours	200 hours

Note: this table is highly simplified and idealized!