Cool geospatial approaches to cancer control

Myles Cockburn (and many others)
Norris Comprehensive Cancer Center
California Cancer Registry data:
- 1990 – current
- Lat/long of diagnosis address
- Residential histories being “built”
- Expansive tumor and sociodemographic characteristics
Exploration of the potential impact of “enclave” among Asian/Asian American Childhood Cancer Survivors

Study: Individual, cultural, and area-based factors associated with survivorship care among Asian/Asian American childhood cancer survivors

PI: Kimberly Miller, PhD

Funding: 1R01CA261888-01
GIS-Based Multi-Criteria Decision Analysis

In support of targeted resource allocation.

**Study Aim:** The establishment of new FQHC Teledermatology eConsult Partnerships Aimed at Reducing Disparities in Time-to-Diagnosis among Hispanics with Melanoma in Los Angeles County

**PI:** Ashley Crew
High-Resolution Geocoding (and the implications of getting it wrong)

- Lifetime residential/occupational exposures
- Geocode certainty evaluation
Challenges:

- Non-contiguous (spatially) data sources (and MAUP)
- Preserving confidentiality while maintaining detail and meaning
- “on-the-fly” presentation to maximize communication of patterns
- Incorporating biology into spatiotemporal pesticide/herbicide/chemical analysis