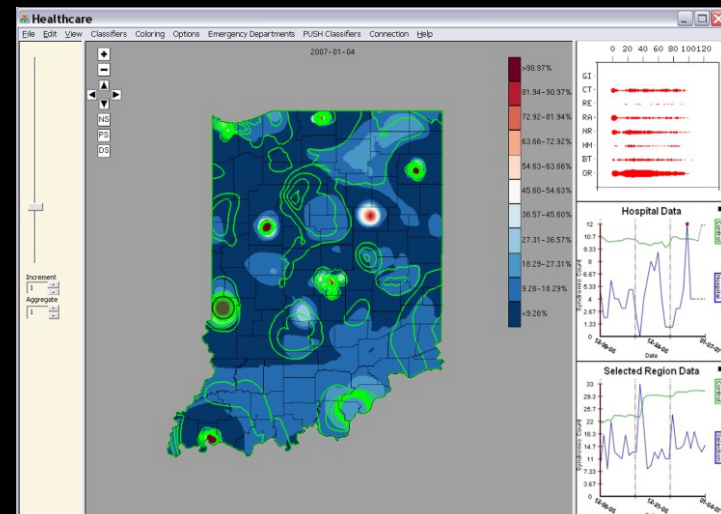# MDRP: Foreign Animal and Zoonotic Disease Visual Analytics

- **Personnel:** Ebert, Cleveland, Hardisty, MacEachren, Turton

- **External Partners:** FAZD, Indiana BOAH

- **Goal -** Develop visual analytic environments to facilitate effective prediction, planning, evaluation, mitigation, response, and recovery for zoonoses and animal health issues

- Approach:
  - Integrate FAZD data into a visual analytic environment linking multiple models (e.g., disease spread, economic impact)
  - Explore and develop new exploratory spatial data visual analysis algorithms tailored for modelers and decision makers

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MDRP: Foreign Animal and Zoonotic Disease Visual Analytics

Outcomes

- New biosecurity environment for preparing, surveillance, mitigation, management, response and recovery

- New decision making environment for Rift Valley Fever

- Initial epidemiological model evaluation and refinement visual analytic environment

- Initial improved linked epidemiological/economic model decision making environment for important and emerging biological threats

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