USAID
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Targeting Family Planning Services in Yemen: Let the Data Speak!

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U.S. Department of State

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HEALTH SYSTEMS 20/20

Abt Associates Inc
In collaboration with:
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Overview

- Yemen Partners for Health Reform (YPHR)
  - USAID-funded Health Systems 20/20 Project
- Family planning services in the Yemen context – status, gaps, and targeting
- Data requirements for improving accessibility and equitable distribution of family planning services
- Evidence-based decision-making using GIS-enhanced solutions

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Yemen Partners for Health Reform (YPHR)

- Working in five underserved, rural governorates in Yemen
- Enhancing health information as the foundation for better management of health resources and better governance
- Building capacity in health financing, operations and governance
- Strengthening routine immunization and surveillance to prevent disease at a lower cost
- For more information, see http://hs2020.org/section/where_we_work/yemen

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Family Planning Services in Yemen

- Yemen population expected to reach 38.8 million by 2025—more than triple from 12 million in 1990
- According to WHO, the Yemeni fertility rate is approximately 6.2 children per woman—one of the highest in the world
- Barriers to effective family planning
  - Beliefs: Contraception use and Islam
  - Knowledge: Lack of awareness
  - Health System: Resource constraints
  - Geography: Poor accessibility

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Data Requirements for Effective and Efficient Targeting

- Supply: Where are the family planning services coming from now?
  - Distribution & Accessibility
- Demand: Where are the underserved populations?
  - Population dynamics over time
  - Women of child-bearing age

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YPHR Actions Taken and Ongoing Support for Better Decision Making

- Conducted comprehensive health facility survey in five USAID-targeted governorates (data instrument, GPS coordinates, digital photographs)
- Synthesized, cleaned, and georeferenced the best available GIS base map data
- Coordinating with Central Statistical Organization on 2004 Census data capturing and analysis
- Building capacity for district, governorate, and national utilization of data through health GIS tools and applications
- Improving transparency and accountability of HIS resources, data sources, and indicators

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Health Facility Survey

- Hired local Yemeni experts to assist with design and implementation of the survey
- Redesigned survey to incorporate GPS and digital photographs
- Pre-tested survey
- Team leaders from MoPHP; surveyors from governorate/districts
- Data cleaning and compilation
- Data verification
- Tool Development

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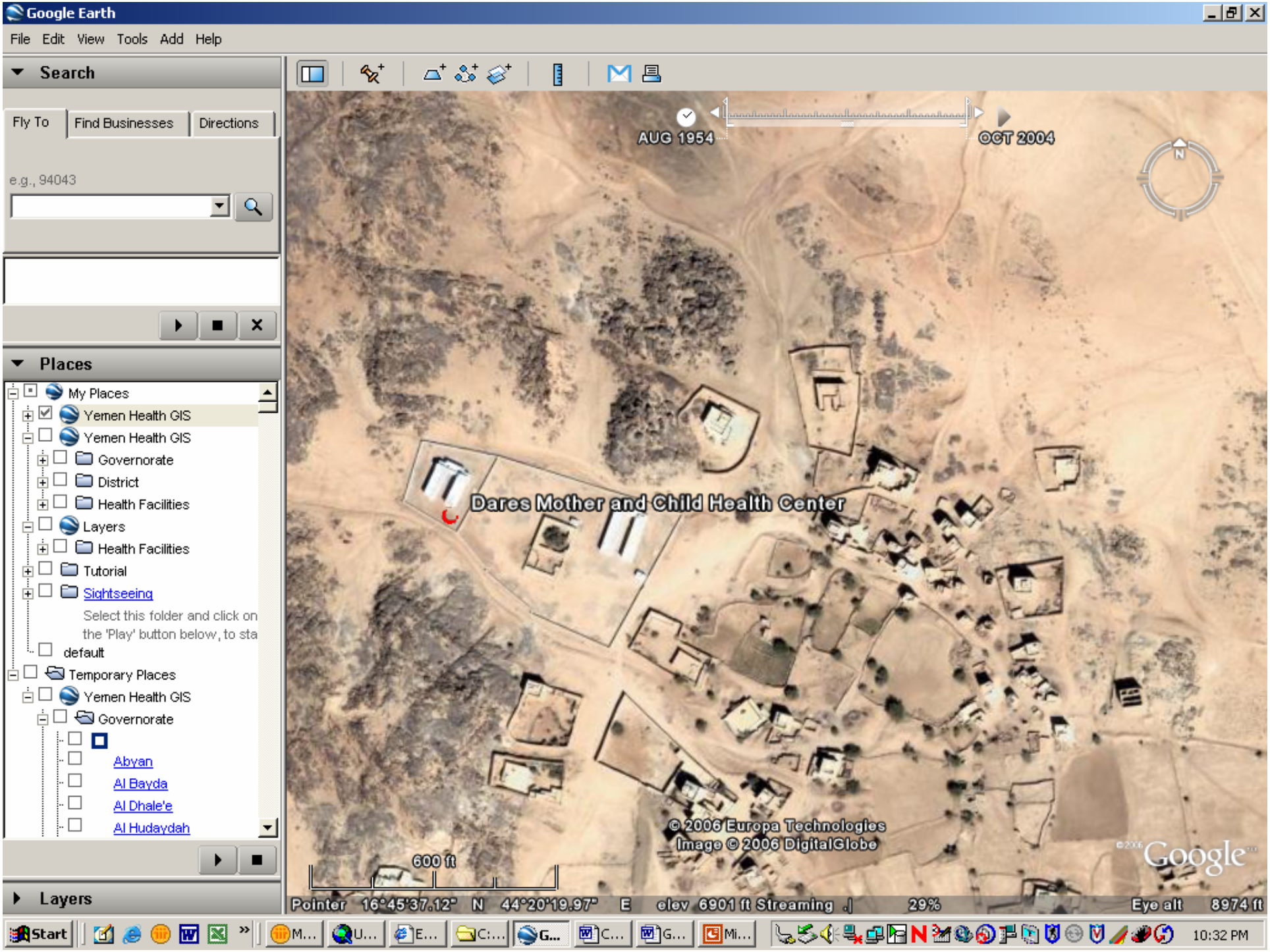

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Leveraging Data for Governorate-Level Decision Making

- Simple, elegant, novel *e*Health solutions
- Target Audience: Director-General of Health, Health Officials/Managers, Statisticians, Hospital Administrators
- Easy-to-use health care planning, targeting, management, budgeting, evaluation tools in a GIS environment
- Easy-to-understand analyses and visuals
- Basic training, user's manual support, and evaluation

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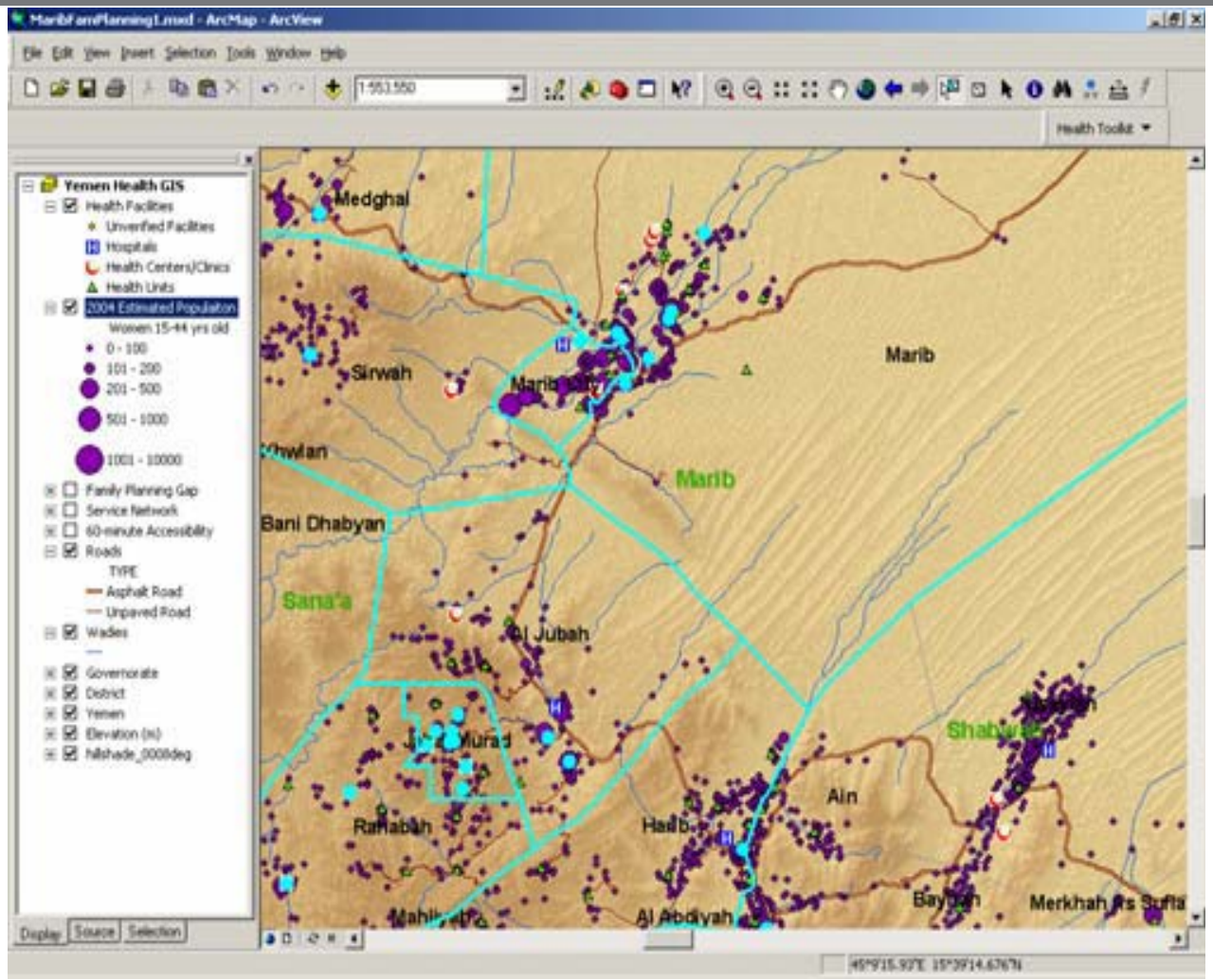
Step 1: Plot settlement populations by size (PURPLE points) and identify health facilities with family planning services with the *Facility Survey Analyzer* tool (LT BLUE points).



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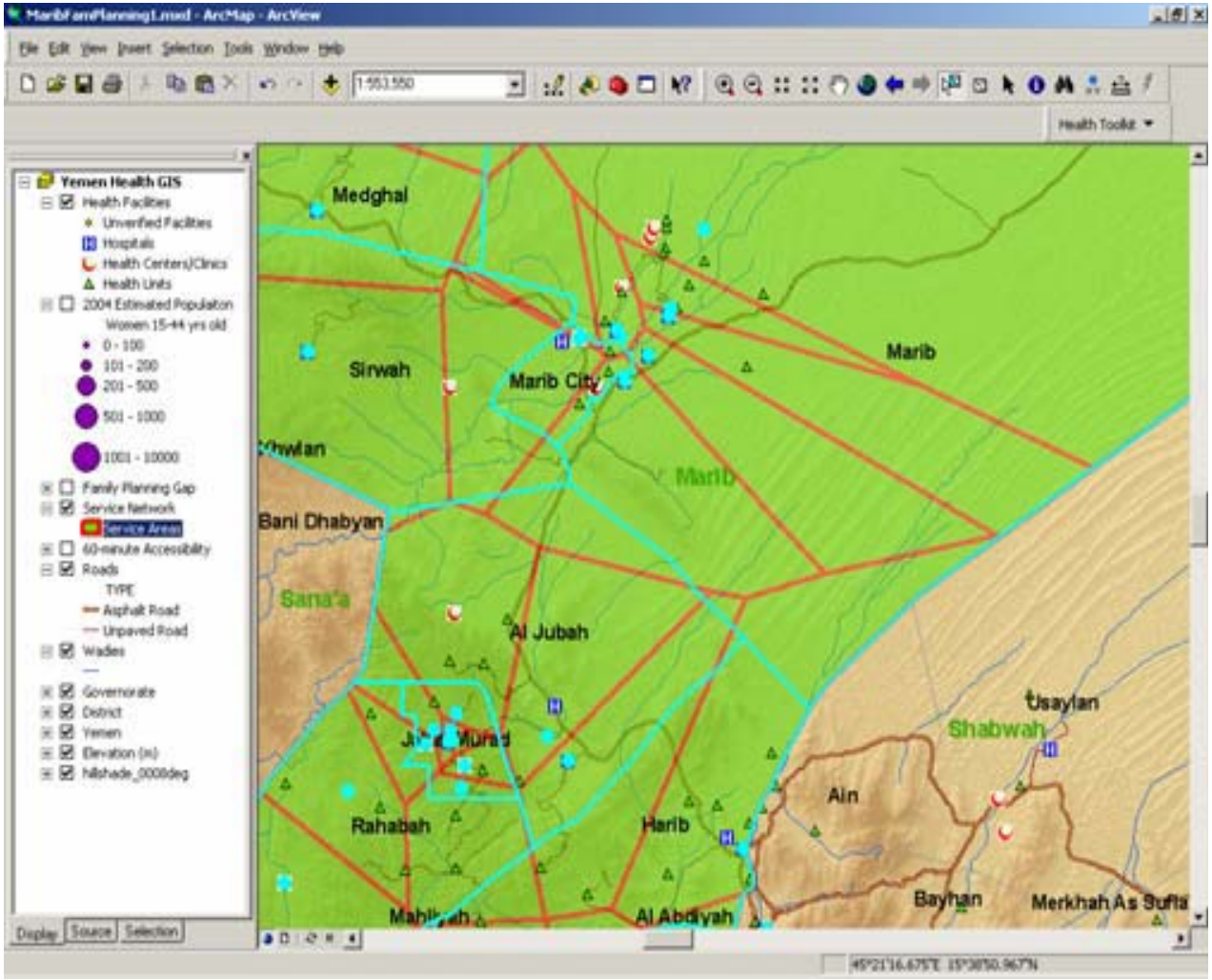
Step 2: Analyze the family planning services network by dividing area according to closest proximity to service provider (LT GREEN area) using *Service Network Provider* tool.



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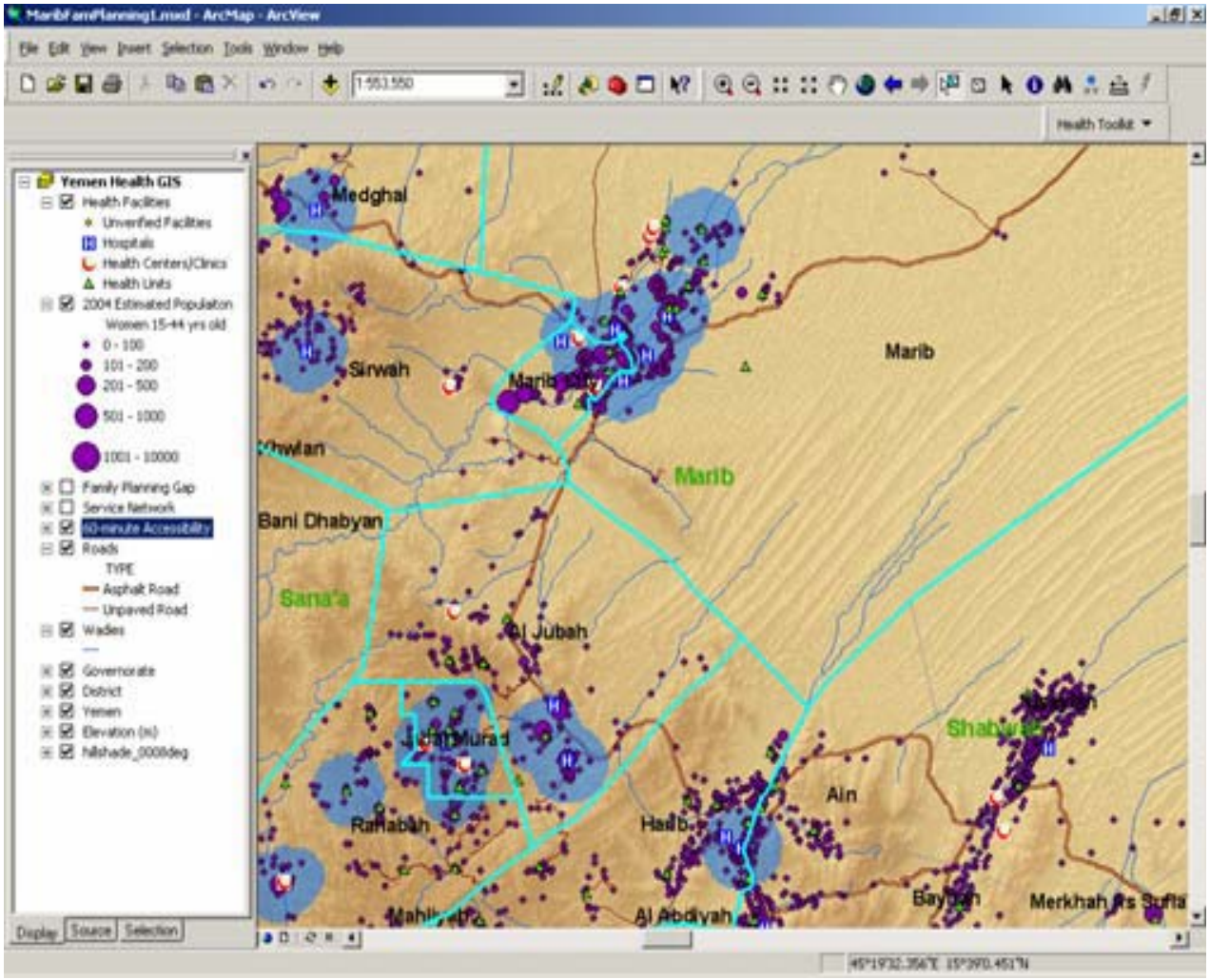
Step 3: Analyze 60-minute walking accessibility/coverage area (BLUE) using the *Facility Accessibility Mapper* tool.



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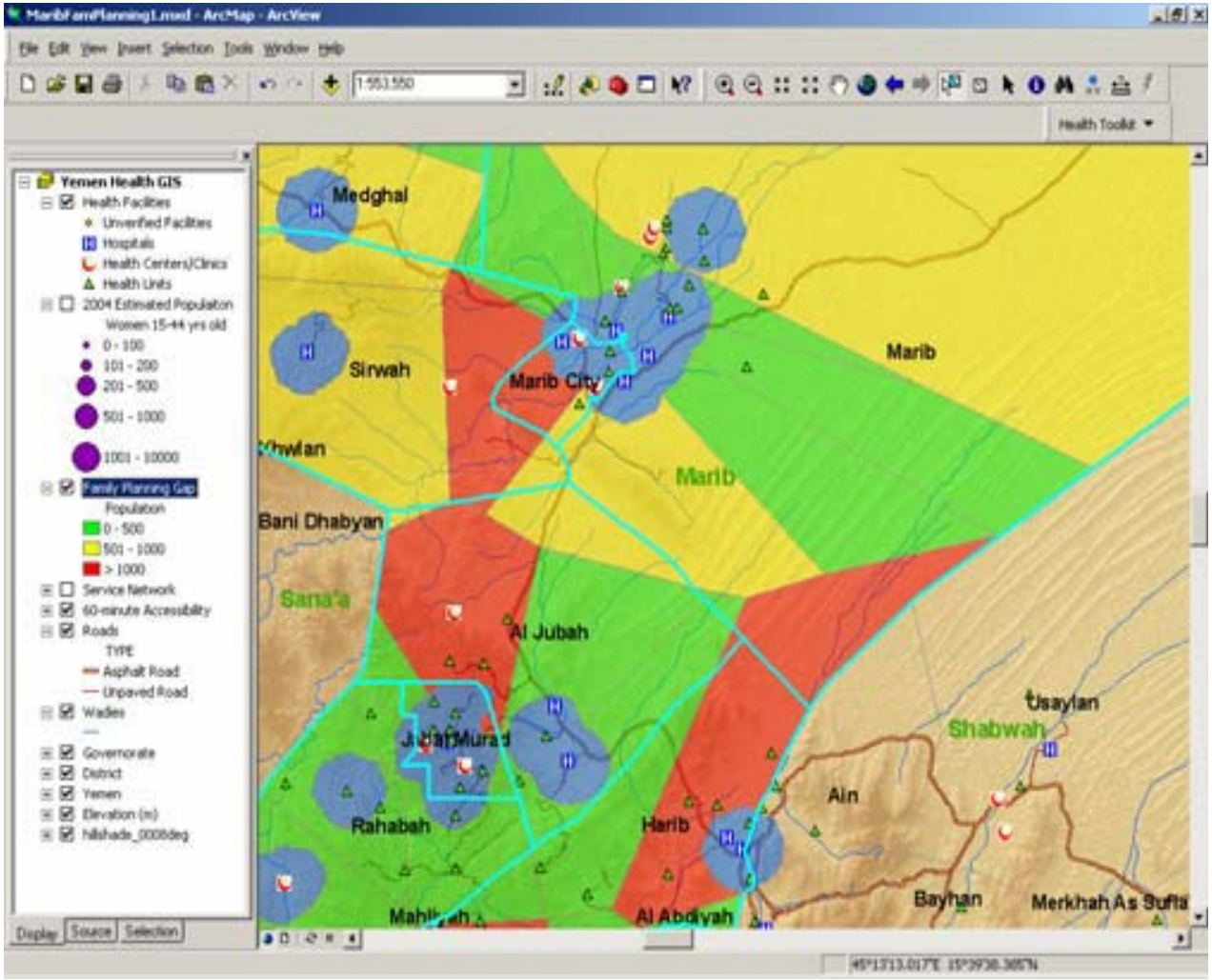
Step 4: Analyze population-weighted gaps in family planning coverage and target prioritized areas or health facilities for intervention (RED vs. YELLOW OR GREEN areas) using the *Healthcare Gap Analyzer*.



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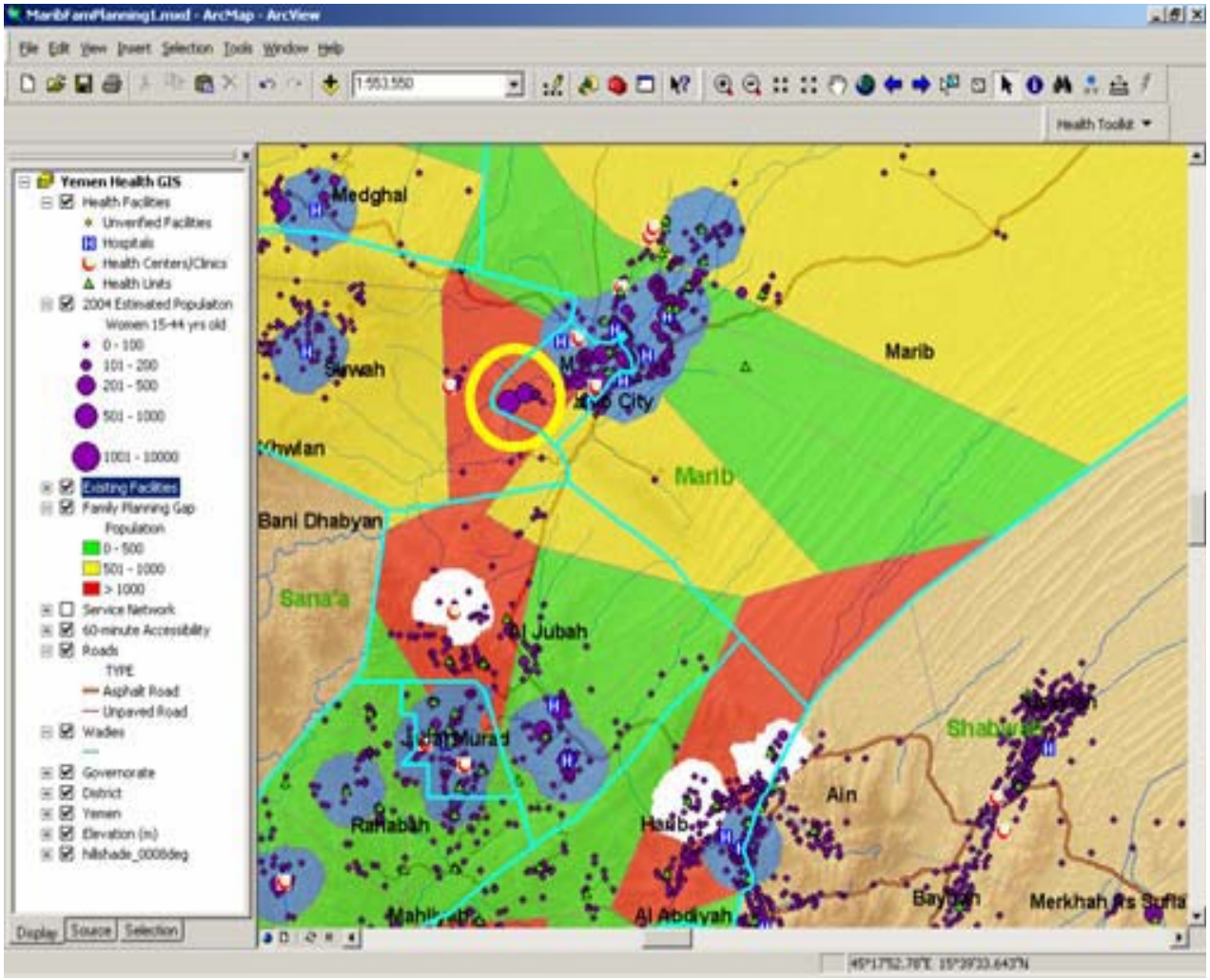
Step 5: Evaluate family planning gaps compared to an analysis of population distribution (PURPLE), 60-minute accessibility coverage (BLUE), and priority areas (RED).



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Effective and Efficient Use of Resources and Anticipated Results

- Targeting limited resources
- Avoiding duplication of adequate family planning services coverage area (overlapping BLUE areas)
- Justifying training in facilities employing new family planning service capacity
- Locating priority or underserved rural areas for education campaigns
- Reducing health care costs by allocating and tracking family planning resources while at the same time influencing population dynamics

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Thank you

Reports related to this presentation
are available at www.healthsystems2020.org

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