



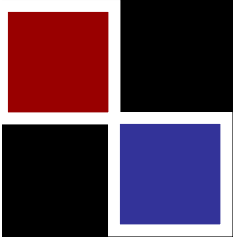

ASP Solutions for Health
Surveillance



Web Tools for Today and Tomorrow

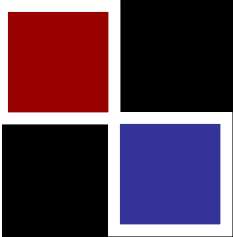



Introduction

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- What is an ASP?
 - How do they work?
 - Why use an ASP?
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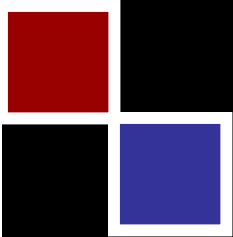



What is an ASP?

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- Application Service Provider
 - Deliver software tools to users via the Internet or a Virtual Private Network (VPN).
 - Provide infrastructure to seamlessly maintain applications and ensure a high level of data security.
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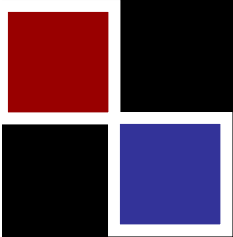



What is an ASP?

- 
- Usually platform independent (OS)
 - Web browser accessible
 - Hosted at secured data centers
 - Virtual organizations capture synergy
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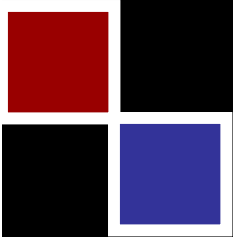



How do ASPs work?

- 
- 3 tier client-server architecture
 - Internet or Web delivery
 - Open-Source or Proprietary Tools
 - “Enterprise” level products and services
 - Security, encryption, controlled access features
- 



Why use an ASP?

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- Focus on your business/operation
 - Relief from software installation and maintenance
 - Platform independence
 - Improved software cost management (TOC)
 - Automatic software upgrades
 - Work anywhere
- 



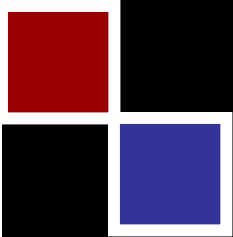

The Health Registry Network
<http://www.healthreg.net>



Interactive Web Tools for Health Registries

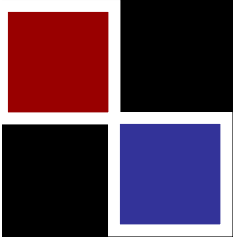


Scotts Hill Associates, Inc.


- 
- We are an Interactive Technology provider.
 - We provide IT solutions to a variety of industries and organizations.
 - We provide IT strategic planning, design, and implementation.
 - Navigating the course of progress!
- 



Our Vision

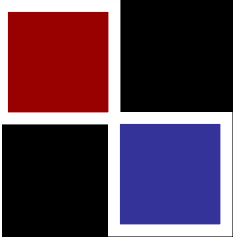



To provide a set of, scalable, interactive Web-based knowledge tools that can be used for a variety of health and wellness data collection and surveillance needs.



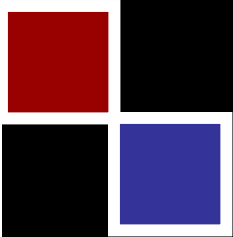



Our Goals

- 
- To provide software tools that improve health incidence reporting and surveillance.
 - To provide a framework to link related health data collection and analysis tasks.
 - To increase health data collection and analysis efficiency (time and cost).
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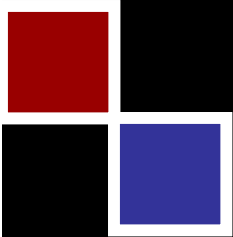



Today's Situation

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- 1.5+ year lag of analyzed health data is not uncommon
 - Static interaction with end user and data
 - Inconsistent and multiple standards (data, abstracting, analysis)
 - Fragmented data collection and surveillance systems (statistical, spatial)
- 




How Did We Get Here?

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- Our customers' demand shifted
 - IT support; Distributed app accessibility
 - Benefits of open-source tools
 - Cost Control; Matches company's philosophy
 - Benefits of a comprehensive registry
 - Reduce redundancy; complete health picture
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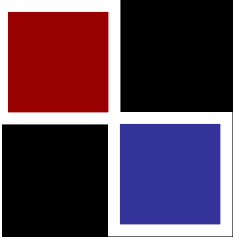



The HRN Virtual Team

- 
- Project Director
 - Operations Manager
 - Software Architect and DbA
 - Technical Services Manager
 - Senior Programmer
 - Interactive Multimedia Designer
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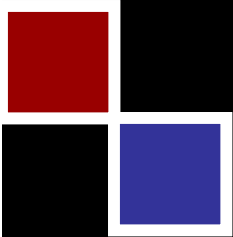



The HRN Virtual Synergy

- 
- Health surveillance systems
 - Planning and design
 - Web app design and development
 - Network admin (Inter/Intra/Extra Net)
 - Apache, SQL, PHP, Perl, XML, IHTML ...
 - Multimedia, illustration, animation
- 




Technology and Security

- 
- Uses enterprise level open-source tools
 - Linux/Apache, PHP/PostgreSQL, Perl/JavaScript
 - 128-bit digital certificate
 - Machine authentication, encrypted data transfers.
 - Multiple firewall configuration
 - Custom non-proprietary firewall configurations.
 - User authentication and group management
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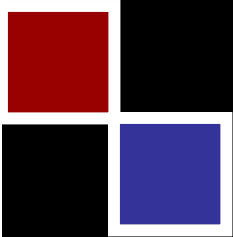

Current Services



- Free services for hospital registries to enhance their current data collection systems.
 - Web Edits
 - Subscription services to report data on newly diagnosed cancers electronically (abstract)
 - For any reporting facility type (hosp, clinician office)
 - Subscription services to share data across facilities/institutions.
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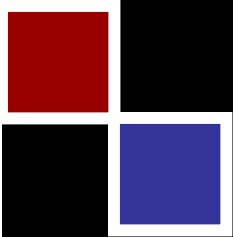



Current Services (Web Edits)

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- A free service of The Health Registry Network.
 - Applies electronic edits (EDITS) to NAACCR files via a secured web server connection.
 - User uploads a NAACCR file to the Web Edits service.
 - User receives an Edit Report that describes records with data discrepancies.
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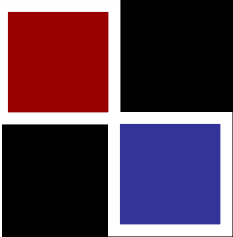



Current Services (Abstracting)

- 
- Allows reporting facility to abstract new cancer reports “online” in a secure environment.
 - Can provide simultaneous access to shared records between reporting facilities and central registry.
 - Partial and/or full case abstracting.
 - Future planned features include communications, analysis, and GIS tools.
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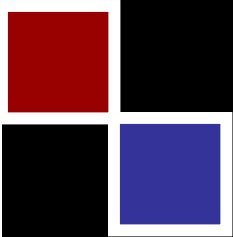



Current Services (Phase 1)

- 
- NAACCR flat-file upload & download
 - Data Entry (abstracting)
 - Web Edits
 - Mortality Db & Death Clearance
 - Duplicate Reconciler
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Future Services (Phase 2)

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- Interactive Query & Report Manager
 - GIS Map Viewer
 - Occupation & Industry Coding Tool
 - Additional health registry types
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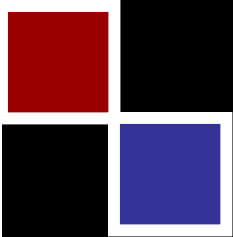


Future Services (Phase 3)

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- Document & Media Manager
 - Discussion Manager
 - Shared Calendar & Event Manager
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Demonstration

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- Let's see how the HRN works.
 - Web Edits
 - Cancer Incidence Reporting
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