

i-VStats

i-Vstats was designed keeping in mind the strategy to re-engineer jurisdiction vital statistics systems, address a number of problems that arose from outdated systems, and manual paper based processes. i-Vstats is designed to provide accurate vital records delivery in a timely fashion and reduce the response time for customers. i-Vstats uses the 2005 revised standard Certificates of birth and death for data collection.



Vital statistics is an application that assists Public health authorities to collect and distribute accurate, comprehensible information critical to make an informed decision on matters concerning individual and community health. There has been an enormous amount of data captured over the years. i-Vstats was designed as a tool to help the authorities collect, maintain, certify, sell and preserve vital statistics records. The i-Vstats suite consists of Birth, Death, Marriage, and divorce modules.

Key Benefits and Features:

- * Centralized access for all birth data and statistics.
- * Integration with Death Data/Stats Module.
- * Data collection as per 2005 standard certification specifications
- * Quick retrieval of records by first name, last name, mother's maiden name, Father or mother's SSN, Birth Number, form number.
- * View certificate on the fly.
- * Manage all point-of-service transactions.
- * Maintain user log showing view, update and print activities per record.
- * On every update to a record, an image of the certificate is saved and attached to the record as case history.
- * Documents can be attached as case history to every record.
- * User level security for filtered access and log user activity to detect and prevent fraud.
- * Integrated development, test, production and training for smooth system jurisdiction deployment.

Technology:

i-Vstats software is a state-of-the-art information system (IS)-based application for collecting, tracking, maintaining and timely retrieval of vital records. This application is designed to be web enabled (access from anywhere). The systems allows to query records for quick customer response. The communication link capability and data sharing abilities allows in making effective decisions for community health.

Features:

i-Vstats provides jurisdictions with the ability to collect, track, maintain and retrieve vital birth/death records to make informed community health decisions.

- * An application with boundless potential as a centralized registry.
- * The system is easy to understand and very user friendly since its based on the revised 2005 standard certification specifications.
- * A clean and simple tabular interface guides the user through all the details in a sequential format. Thus reducing chances of error and minimizing cognitive load.
- * The system utilizes advanced technology to view certificate on the fly and also retain certificate images on updates as case history.
- * User logs are maintained for audit and security purposes and track record access activity.
- * Extensive retrieval features makes locating records fast and easy. Record location can be performed based on first name, last name, mother's maiden name, father/mother's SSN, form number or birth number.
- * GIS bases map provided a color gradient visual of the number of birth, death, marriage, and divorce in each jurisdiction between specified time periods.
- * Supports all National Center for Health Statistics (NCHS) codes/fields.
- * Web module provides Hospital notification of birth, certificate validation, data entry, certificate ordering and payment, electronic delivery of products.

Advantages of a GIS-Based Solution:

- * The system is map-based and the level of network detail incorporated in each analysis is very high. By utilizing the database functionality inherent to this data format, decision-makers can also specify complex impact variable attributes, such as location information, potential user traffic, proximity of location to other competing locations and identified combination of optimum demographic mix, household information including population, age, gender, race, education, disposable income and net worth, retail locations with annual sales, and business locations with employment information and annual sales
- * GIS provides a visual environment for the analysis. This graphical presentation is a reflexive component of any alternative. All facets of the analysis are performed in a visual and interactive environment, from preparing the input data to analyzing the alternatives. This relates problem formation and solution in a powerful way. Displaying input data both during the modeling and with the solution offers a powerful methodology for error checking.
- * This method of data presentation facilitates user understanding and comprehension, whereby decision-making is enhanced. The visual environment provides a means of conveying highly technical information to the non-practitioner in a very straightforward and understandable manner.

DBS is a leader in (GIS) Geographic Information System technology and can design and implement systems to meet your current needs while also providing for expandability without unnecessary costs. Allow DBS to customize and implement **iVStats™** as your **Vital Statistics Management Solution**.