ASPECT

INFOTECH Soft
Innovative Healthcare Solutions

ASPECT is a novel mental health information system designed with mobility and intelligence in mind. The ASPECT Rating Station combines the simplicity and ease of use of traditional paper forms with the power and flexibility of computer-based assessment. The ASPECT Control Center provides a powerful suite of tools to create the user interface and manage the computational logic of complex psychiatric instruments. Together, they constitute an indispensable tool for mental health treatment and research.

ASPECT Rating Station

The *ASPECT Rating Station* enables the efficient administration and management of mental health assessment tools and diagnostic instruments. Using the ASPECT Rating Station on the revolutionary Tablet PC platform, a clinician can administer any assessment instrument in a comfortable and natural setting.

CAPTURE DATA AT THE POINT OF CARE

In each form, a patient's responses and any notes and observations are recorded through simple, easy-to-use mechanisms such as check boxes, buttons, and drop-down lists. The ASPECT Rating Station automatically recognizes handwriting into structured information such as the patient's name or identification number. Annotations and drawings are captured and stored as digital ink without conversion for archiving and future revision.

IMPROVE EFFICIENCY

ASPECT streamlines complex psychometric instruments by incorporating intelligent computer-adaptive testing and decision-support technology, reducing the time and effort needed to complete them. The ASPECT Rating Station can check patient data to help minimize errors by discovering inaccurate and inconsistent responses or recommending more appropriate instruments.
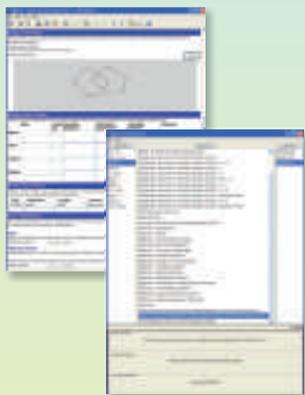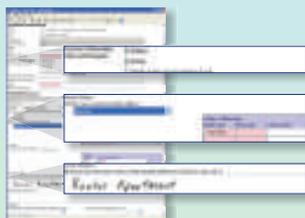
ANALYZE, EVALUATE, VERIFY

Automatically generated reports eliminate the need to manually score mental health instruments and provide users with relevant information for analysis and review. Reports are produced through the ASPECT Rating Station for a single form, an entire patient's history, or all data collected during a study.

VISUALIZE YOUR DATA

New patients and forms are created effortlessly and archived data is located easily through a powerful and intuitive navigation interface. Users can simultaneously browse ASPECT by patient, form name, and assessment date. The ASPECT Rating Station's advanced search capabilities provide additional means to find forms or patients that meet particular criteria, such as a minimum score or particular diagnoses.

COLLABORATE IN TEAM-BASED TREATMENT AND RESEARCH

Working on Tablet PCs, desktops, and laptop computers, multiple users interact simultaneously with patient information and chart their course of treatment through interconnected ASPECT Rating Stations. The flexible system architecture of ASPECT provides for the seamless exchange and sharing of information in team-based treatment settings.
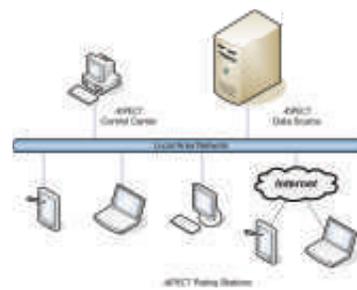
WORK IN MULTIPLE LANGUAGES

The cultural and ethnic diversity of psychiatric patient communities require electronic systems to present and capture data in many languages. In some situations it may be necessary to switch a form from English to Spanish, or to administer it in one language and generate a report in another. ASPECT electronic forms and the ASPECT Control Center support multi-language data capture and report generation.

PROTECT PATIENT PRIVACY

ASPECT is highly secure, designed to protect sensitive patient information from unauthorized access. The ASPECT Control Center is used to manage security and privacy policies, review audit trails, and verify electronic signatures, guaranteeing the integrity and security of ASPECT data and enabling compliance with the Health Insurance Portability and Accountability Act (HIPAA).
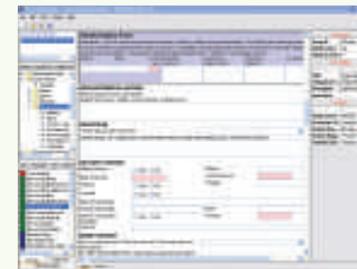
ASPECT Control Center

The ASPECT Control Center is a platform-independent graphical development environment that assists psychiatrists, psychologists, clinicians, and other form developers with the definition of new clinical instruments, the creation of customized reports, and the revision of the logic behind existing form and report definitions.

DESIGN CUSTOM FORMS AND ANALYTICAL REPORTS

Complex psychometric instruments are easily created with the ASPECT Control Center form designer. The intuitive graphical user interface allows the user to design the look-and-feel of the form, add intelligent alerts and computer-adaptive instructions, and create versions in different languages. Custom report templates are quickly designed by picking a technique to calculate scores, choosing a standardization formula to transform raw scores to study norms, and inserting charts and graphs.

SHARE ELECTRONIC RECORDS

ASPECT is built around the open XML data exchange standard, allowing collected information to be easily shared with other electronic medical record, billing, and statistical analysis systems. The ASPECT Control Center manages the configuration and interaction with these external packages.

ASPECT was developed under a competitive contract awarded by the National Institute of Mental Health. From the beginning, psychiatrists, clinical psychologists, and university medical centers have been closely involved in the development, evaluation, and testing of ASPECT in both behavioral research and mental health treatment.

INFOTECH *Soft* develops next-generation information technology solutions for health care and the life sciences. Our experienced and highly qualified technical staff, working with top-of-the line consultants in diverse medical fields, apply the latest advancements to address current and emerging issues in health care information technology. Our cutting edge research projects, funded by the National Institutes of Health, continuously expand the state of the art to produce powerful and easy to use systems. Located in multicultural and vibrant Miami, Florida, INFOTECHSoft has the innovative solution for your needs.

INNOVATIVE HEALTHCARE SOLUTIONS

MEDICAL RECORDS

INFOTECHSoft EMR is an advanced, highly customizable electronic medical record system, meeting the information management, storage, and retrieval needs of clinical practices while offering an effective mechanism for tracking patient information, medical records, progress reports, and clinical response. Configurations of INFOTECHSoft EMR currently include cardiology, nephrology, pediatrics, and primary care.

PREVENTIVE CARE

PreventaMed is a comprehensive, automatic, and secure web-based system for tracking the management and delivery of preventive care services. PreventaMed's artificial intelligence engine provides timely and accurate decision-support based on the United States Preventive Service Task Force (USPSTF) guidelines. PreventaMed can be used in conjunction with INFOTECHSoft EMR or integrated with existing information systems.

HEALTHCARE INFORMATION INTEGRATION

INFOTECHSoft integration accommodates systems running on different platforms, written in different programming languages, and based on healthcare standards - such as HL7 and DICOM - or legacy information systems. INFOTECHSoft integration provides medical staff with a coherent view of the data contained in each system without having to worry about which underlying system contains the information or how it is being stored.

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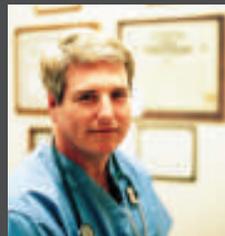**www.infotechsoft.com**

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ASPECT

MENTAL HEALTH ASSESSMENT SYSTEM

- **MOBILE**
  Bring computerized assessment to the patient with portable devices

- **COLLABORATIVE**
  Seamless support of team-based treatment

- **ANALYTIC**
  Detailed analysis through automatic scoring and reports

- **INTELLIGENT**
  Advanced computer-adaptive technology minimizes errors and improves efficiency

- **PROFESSIONAL**
  Designed by clinical psychologists, psychiatrists and medical informatics experts

- **SECURE**
  Complete protection of patient data ensures security and privacy

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