

# **Clinical Fusion<sup>®</sup>**

## **Primary HealthCare Online!!!**

### **School, Community Based Clinic Management Information System**

Clinical Fusion<sup>®</sup> is a simple to use, yet powerful clinical management information system, that can be tailored to a variety of clinical settings. Extensive medical and mental health data, past medical history, measurements, risk behavior alerts, problems, and contact data can be recorded and maintained. Clinical staff can easily follow-up and add tickler information. Group information for school and community based health screenings, health education programs and immunizations can be entered easily. Clinical Fusion<sup>®</sup> contains an extensive variety of statistical and detailed reports. Internal error checking assures correct and accurate data entry. Clinical Fusion<sup>®</sup> is programmed to utilize Windows 95/98/NT functionality.

### **What does Clinical Fusion<sup>®</sup> have to offer for:**

#### **PROVIDERS**

- Clinical Fusion<sup>®</sup> is a problem based clinical information system that uses SOAP charting. Active, inactive and resolved problems can be tracked over time.
- A health profile report can be viewed or printed showing an individual's medical and mental health history. The health profile report lists active, inactive, and resolved problems; contact summary; clinical alerts based on subjective and objective data; vital signs; height and weight graphs; immunizations; medications; and ticklers.
- Up-to-date demographic information on each individual is recorded to facilitate follow-up, emergency contacts, and accurate reporting.
- Contact information can be entered while conducting a visit. All subjective, objective, problem, and plan information for a person can be entered directly into Clinical Fusion<sup>®</sup>, instead of using a paper form.
- A full range of data can be entered by a clerk through batch entry from paper forms.
- Built in tickler system facilitates patient follow-up. The tickler list can be organized either by individual person or by staff member to enable the provider to easily follow-up on reminders, referrals, appointments, and lab tests.
- A prescription can be printed for medications prescribed.
- Height and weight graphs can be viewed and printed.
- Immunizations, Health Screenings, and Health Education Programs for groups or individuals can be recorded and tracked.

#### **PROGRAM ADMINISTRATORS**

- Clinical Fusion<sup>®</sup> can be customized for any population and does not require prior programming knowledge.
- Numerous pre-programmed statistical reports with totals can be customized.
- Clinical Fusion<sup>®</sup> produces a HCFA 1500 form and a transmission report that can be used as a superbill.
- Reports can be grouped to print at one time using the same date range.
- Process and outcome data is collected for quality assurance studies and to assess project progress.
- Contact templates to assist providers and clerks in entering in data for specific types of clinical visits can be created.
- Error checking assures reliable data and data integrity.
- An unlimited number of schools, sites, providers, persons, and contacts can be added.
- An unlimited number of ICD9 and DSM-IV diagnosis codes, CPT procedure codes, and medications can be added to the software and entered for each contact.

- Demographic data can be imported into Clinical Fusion® from school data systems using an import utility wizard.
- Existing School HealthCare Online!!! (SHO) registration, setup file and basic visit data can be imported into the software.
- Data can be exported for individuals, contacts, and contact templates. This data can be imported into other programs for statistical evaluation and analysis.
- Custom forms can be created for the registration and contact activities to record additional data elements.
- Clinical Fusion® facilitates communication among internal and external providers. Mailing labels for all enrolled students or just a selected subset can be printed.

## RESEARCHERS

- Clinical Fusion® is designed to collect both process and outcome data. Variables can be customized for specific project objectives.
- Longitudinal data can be compiled for outcome studies.
- Custom forms can be created to capture user defined variables for both registration and contact data.
- Data can be exported to ASCII files – fixed length – to be imported into other programs for analysis.

## CLERKS

- Easy data entry – Windows 95/98/NT interface, use of mouse or keyboard to facilitate data entry.
- Drop-down lists to choose from and key stroke shortcuts assists in speeding up data entry.
- Data entry defaults can be entered to speed data entry.
- Extensive built-in help is structured with a table of contents, index, and search utility to find help for specific questions.
- Contact Quick Entry screen that enables users to quickly enter encounters.

## What data elements can be captured using Clinical Fusion®?

### REGISTRATION

Clinical Fusion® enables users to enter a variety of registration information. There are very few data requirements in Clinical Fusion®. The following data elements are contained in the Registration module:

Demographic: name, sex, race, registration id, registration date, birth date, person telephone numbers, address, and personal numbers (social security, medicaid, etc.)

Contact Phone Numbers: contact name, relationship, phone numbers and comments.

Insurance: company, plan, copay, effective date, termination date, insured's id, group id, insured's address, and employment address information.

Supplementary: referral source, preferred language, family language, housing status, ethnicity, primary provider, marital status, employment status, school, grade, dates of attendance, AKA names.

Other: other characteristic information about the person.

Custom: customized data elements.

Clinical Fusion - Person: 375037 Bayes, Julie - Registration

File Edit View Activities Reports Tools Window Help

Person Group Staff Reg Contact Flw Up History

Demographics Contact Numbers Insurance Supplementary Other Custom

Last Name: Bayes First Name: Julie Middle: B. Sex: Female Race: White

Registration Id: 375037 Registered:  Birthdate: 04/06/1983 Age: 15 years 11 months

Type	Current	Street Line 1	Street Line 2	City	State	Zipcode	County	Country	
Work	Yes	55 S. Broadway		Denver	CO	80333	Denver	USA	New
Residence	No	49855 S. Holly	Apt. 3A	Denver	CO	80323	Arapahoe	USA	Delete

Street: 55 S. Broadway County: Denver

City: Denver State: CO Zipcode: 80333 Country: USA

Current:  Type: Work

NUM | Read/Write | 3/19/99

## CONTACTS

The contact module enables a user to enter any type of contact. Examples include:

- Medical visits
- Well child visits
- Preventative visits
- Mental health visits
- School nurse visits
- Triage visits
- Clinical social worker contacts
- Follow-up visits
- Phone contacts
- Case Management contacts

The following data elements are included in the contact module:

General: contact date, provider, attending staff member, chief complaint.

Subjective: a series of subjective questions for different categories (alcohol, nutrition, behavioral, physical activity, etc.), problem risk assessment, and a text box to record notes about each question. This data is used for risk factor reports and to view alert information.

Objective: vital signs including: respiratory rate, pulse rate, blood pressure and temperature; measurements including height and weight; physical exam findings with check boxes to record if an item has been assessed, check boxes to record if a finding is normal or abnormal, note text boxes to record findings.

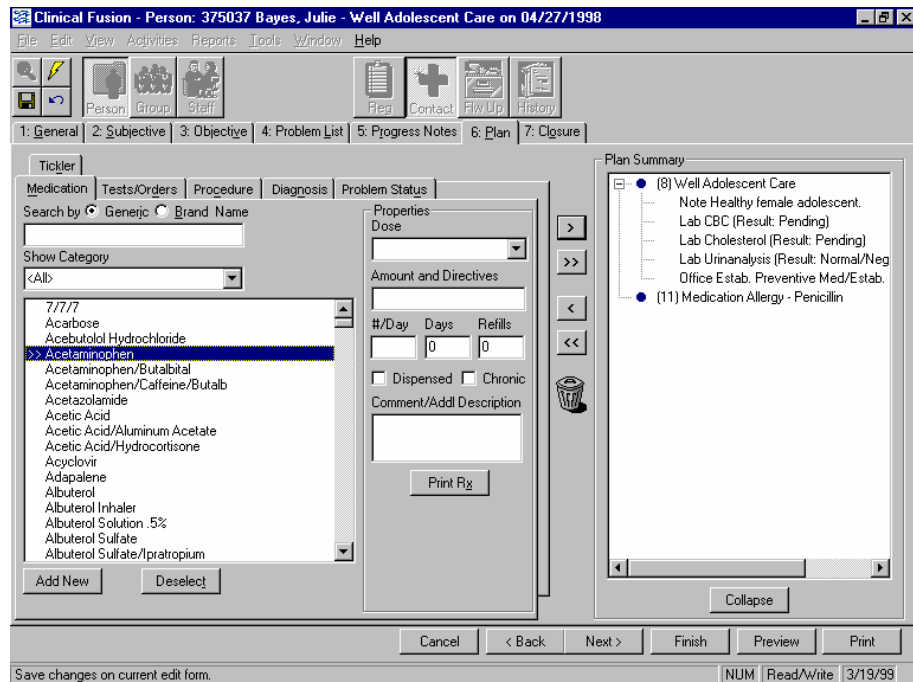
Problem List: problem name, additional description, discovery date, onset date, hospitalization dates, resolution status, resolution date, security to set for users to view problems.

Progress Notes: problem oriented progress notes.

Plan: medications, tests/orders, procedures, diagnosis codes, problem status, ticklers.

Custom: customized data elements.

Closure: provider service time, time in, time out, date signed, disposition, location of contact, confidential contact flag, billable or non-billable contact.



## PERSON OR STAFF FOLLOWUP TICKLERS

Clinical Fusion® enables you to easily record and follow-up on tickler information for a specific individual or staff member. Reminders, referrals, and lab test results can be displayed for specific time intervals and status (pending, overdue, completed).

Reminders: a grid containing all reminders including type of reminder, person or provider, due date, priority status (importance of the reminder), notes, completion date, follow-up notes. New reminders can be added.

Referrals: a grid containing all referrals including type of referral, person or referred by, referred to, due date, priority status, notes, completion date, follow-up notes. New referrals can be added.

Appointments: a grid containing all appointments including type of appointment, person or provider, due date, priority status, notes, completion date, follow-up notes. New appointments can be added.

Lab Tests: a grid containing all lab tests for a specific person including lab test, date, result, comments.

## HEALTH HISTORY

Clinical Fusion® enables you to easily view and add health history information for a specific individual.

Problems: outlined list of problem name, additional descriptive text, discovery date, onset date, hospitalization dates, resolution status, resolution date, and security level to view problem.

Alerts: color code outline of all risk factors (green, yellow, red) for a specific person based on answers to the subjective and objective questions in the contacts. Alerts can be viewed for a specific date range and grouped by category, question, or answer.

Contacts: all contacts for a specific person including whether the contact has been printed, reviewed, signed, or completed; contact type, date, provider, and primary diagnosis.

Measurements: all measurements for a specific person including date, height, and weight. You also have the ability to print height and weight growth charts.

Vital Signs: all vital signs for a specific person with date, blood pressure, temperature, respiratory rate, and pulse rate.

Medications: all medications prescribed or dispensed to a specific person including medication name, date, dose number, per day, number of days prescribed, flag for chronic medications, comments. Prescriptions can be printed.

Immunizations: all immunizations for a specific person including immunization, date, provider, site.

Family History: family history information for a specific person including condition, relationship, onset age, and comment.

## **STAFF WORK QUEUE**

The work queue contains all contacts entered into Clinical Fusion<sup>®</sup> enabling staff members to track the status of the contact (printed, screened, orders complete, reviewed, signed or completed).

## **HEALTH SCREENINGS**

Health screenings for individuals or groups can be entered and reviewed.

Group Properties: date, screening, location, and comments.

Students: all students who received the screening.

Student Properties: individual measurement properties (height, weight, blood pressure, etc.), findings, follow-up, and additional description or comments.

## **HEALTH EDUCATION**

Health education programs for individuals or groups can be entered and reviewed.

Group Properties: date, screening, location, comments, session or program duration, number in class or group, and grades attending.

Presenters: type of presenters for the health education program.

Subjects: all topics presented at the health education program.

Students: individuals who attended the health education program.

Student Properties: individual test scores.

## **IMMUNIZATIONS**

Immunizations for individuals or groups can be entered and reviewed.

Group Properties: date, screening, location, comments, vaccine manufacturer, lot number, site, dose number, and administered by.

Students: individuals who received the immunization.

Student Properties: individual immunization information.

## REPORTS

Clinical Fusion® contains a wide variety of pre-programmed reports. You also have the ability to create, save, and organize custom reports. The user is able to group, sort, and show any data fields needed, set the width of the chosen data fields, and set custom criteria such as specific date ranges, ages, and gender.

Profile Report: a complete individual health profile.

Registration Summary Report: a complete individual registration report.

Report Manager: consists of a number of pre-programmed reports organized in folders that can be modified as well as a number of blank reports that enable you to create, save and organize your own custom reports.

Group Reports: ability to select a group of reports to print at one time using the same date range.

## SETUP TABLES

Contact Templates: create an unlimited number of contact and 'problem' specific templates to facilitate data entry. Templates can be created to include any mixture of subjective and objective questions and default notes, vital signs, measurements, limited or comprehensive physical exams, procedures, tests, medications, diagnosis, and reminders.

Custom Forms: add data elements to the registration and contact screens.

The following setup tables can be modified by adding codes, deleting codes and changing codes:

- Diagnosis Codes
- Element Tables
- Immunization Categories
- Insurance Carriers
- Medications
- Problem Codes.
- Procedure Codes
- Program
- Providers
- Schools
- Screening Codes

## DATA UTILITIES

The following data utilities are included in Clinical Fusion®:

- Database Backup
- Database Compact
- Database Restore
- Database Repair
- Database Archive
- Delete Person

- New Year Process
- Remove Graduates
- Export data in ASCII format for import to other programs
- Import demographic data from school databases
- Import from SHO

## SECURITY

Clinical Fusion's® security is designed to assign users into security groups. These groups are created by the database administrator to access specific functions in Clinical Fusion®. A group can be given full access, read-only access, or no access to various activities.

Each user is assigned to one or more groups, depending on the level of access needed by that user. Each user is assigned a unique password to use when logging into Clinical Fusion®.

## HARDWARE REQUIREMENTS

- Pentium computer processor
- 233 MHz or faster
- 64 MB RAM or greater
- 2 GB hard drive or larger
- CD-ROM drive
- Laserjet printer
- Windows 95/98/NT operating system.

## PRICING INFORMATION

Technical assistance for Clinical Fusion® is supported by The Robert Wood Johnson Foundation. A condition of the grant is that software users will begin paying part of the support costs to assure that technical assistance will become financially self-sufficient within two years. In order to meet this objective, the following software and maintenance fees will apply:

### SINGLE COPY

Existing users of School HealthCare ONLINE!!! can receive free, one new single-user copy of Clinical Fusion®. The annual maintenance fee for the software is \$150 per single-user copy per year. The maintenance fee includes all upgrades, and unrestricted telephone technical assistance. Requests from existing SHO users must be accompanied with payment of the annual maintenance fee. The maintenance fee must be paid annually or prospectively for 3 years.

The price for one new single-user copy of the software for organizations who do not own a registered copy of SHO is \$750 plus \$150 for the annual maintenance fee.

### NETWORK COPY

If Clinical Fusion® is used in a network environment, the software fee for each work station connected to the network is \$250 plus an annual maintenance fee for each network work station of \$45 per network work station per year.

For existing SHO users, the cost of using Clinical Fusion® on a network includes the software fee of \$250 for each work station connected to the network, the annual maintenance fee of \$150, and the annual maintenance fee of \$45 for each workstation connected to the network. Existing SHO users will receive the software for free and do not have to pay the \$750 for the cost of the software.

For new users, the cost of using Clinical Fusion® on a network includes the cost of \$750 for the software, the software fee of \$250 for each work station connected to the network, the annual maintenance fee of \$150, and the annual maintenance fee of \$45 for each workstation connected to the network.

## DISCOUNTS

The following 'single-user copy' volume discounts apply to software purchases only, not the annual maintenance fee. The volume discount applies to software purchased from the same entity. The discount is cumulative. For example, state ABC buys 8 copies of the software. The discount would be 20%. Two months later, they purchase 8 more copies. Two copies would receive a 20% discount (total to 10 copies) and 6 copies would be discounted 25%.

2nd copy of software	10%
3-5 copies	15%
6-10 copies	20%
11-20	25%
> 20 copies	30%

## **HOW TO ORDER**

Make the check payable to: **The Children's Hospital**

Send the purchase order or check to:

The Children's Hospital  
13123 E. 16<sup>th</sup> Avenue, B516  
Aurora, CO 80045

Fax the purchase order to: (720) 777-7286

Federal Tax ID Number: 84-0166760

## **FOR MORE INFORMATION**

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## **ABOUT THE AUTHOR**

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### **Acknowledgements**

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