



Access your patient medical records  
*...instantly*

Identify potentially adverse drug  
interactions before you prescribe  
*...rapidly and reliably*

Do your accounting and billing  
*...efficiently and economically*

**COMPU**NET

MEDSAFE™ is the doctor's computer system from COMPUNET. It gives you and your staff a single powerful tool for directing the latest techniques of automation at the goal of improving patient care. And it does this at a cost that is probably less than you are now paying for just accounting and billing services.

MEDSAFE gives you — right in your office — “on-line” visual access to all of your patients' medical records, with a capacity of thousands of patients. In seconds, you can display a listing of their current prescriptions, their chronic conditions, significant medical events, and your notes from any office visit.

The system also provides a data base containing the interaction patterns of 6,000 common drugs, foods, and non-prescription drugs, and a mechanism to interrogate it quickly and simply. *And* programs for accounting and billing, including third-party billing.

For the doctor on call, MEDSAFE is especially valuable. A small remote terminal gives you 24-hour access to your MEDSAFE system from your home or another site of your own choosing. You can quickly access a patient's medical record, and the system automatically creates a new permanent record of such a remote consultation, including any medications prescribed.

The capability to rapidly and reliably identify potentially adverse drug interactions is unique to MEDSAFE in its price range. It works like this: you

decide on a prescription for a patient, you query the system, and the system shows you what drugs this patient is already receiving, if there will be an adverse reaction, what the nature of that reaction will be, and how severe that reaction might be. You then have the option of modifying the prescription before the patient leaves your office.

MEDSAFE does all of this in seconds.

The problem of adverse reactions due to combinations of drugs is mounting, and receiving increasing attention. Each year, adverse drug reactions cause thousands of illnesses, and even deaths, and extended hospital stays estimated to cost more than \$4.5 billion.

MEDSAFE addresses this problem within the context of an instant-access patient medical record-keeping system.

MEDSAFE is *easy to learn* and *easy to use* — operator training requires just a few hours.

MEDSAFE is *reliable* — comprised of hardware and software components with proven track records.

MEDSAFE is *flexible* — fitting in easily with your present office procedures, and requiring no basic changes in your working patterns.

MEDSAFE is *current* — with maintenance that includes not only hardware and software servicing, but updates to the drug-interaction data base consisting of newly-approved drugs and newly-discovered interactions.

MEDSAFE, embracing sophisticated microprocessor technology and advanced computer programming, is comprised of three basic components that fit handily onto a small desk:

The *terminal unit*, which includes the computer, the keyboard, and the display screen.

The *high-density storage unit*, which holds the data base. It has the capacity to store 20 million characters — the equivalent of more than 6,000 printed pages. Back-up copies of your data can be made in one step in a matter of minutes.

The *printer unit*, the size of a typewriter, provides an instant paper copy of any message, patient record, prescription, or other information that appears on the display screen.

The drug interaction data base stored in MEDSAFE was developed over a period of five years, and tested for two years against 4 million prescriptions for 400,000 patients.

In the data base's first month of use, it flagged five potentially lethal prescriptions *before the medicine was dispensed*, enabling the physician to change the prescription.

The total MEDSAFE system has been field-tested by physicians in the course of their actual practice.

It has proved fast... accurate... dependable... thorough... simple to learn... and easy to use.

Half of the 20-million-character storage capacity of the MEDSAFE storage unit is devoted to the drug interaction data base. The other

half is reserved for your patients' medical records.

COMPUNET offers MEDSAFE customers a data entry service, which can enter your patient's medical records into your MEDSAFE system, without removing the records from your office.

To help protect against improper use, MEDSAFE has a built-in security system. Multi-level passwords limit display or change of the drug interaction data base and patient medical records to authorized users.

In addition to its unique combination of patient record-keeping and adverse drug interaction analysis features, MEDSAFE offers the automated accounting functions you need to reduce labor costs and improve cash flow. With MEDSAFE, you can record diagnoses and procedures directly into a patient's file... calculate amounts due automatically from the procedures entered... print patient and third-party invoices even before the patient leaves your office... automatically age receivables and print over-due notices... automatically print notices suggesting annual check-ups or other periodic visits... and automatically calculate daily closing totals for bank reconciliation.



Future features planned for the MEDSAFE system are appointment scheduling and computer-aided diagnosis. These new features will be implemented in a modular fashion, ensuring that the existing hardware components can "grow" to incorporate these features.

MEDSAFE is another important step toward improved patient care, and a proven way to avoid adverse drug interactions for your patients.

MEDSAFE. The doctor's office and prescription system of the future.

Available now. . . . from COMPUNET.

*The sequence at right shows the display screen as the user goes through a typical operation—in this case, "calling up" that portion of a particular patient's medical record which contains the listing of her current prescriptions. The entire sequence requires only three keystrokes.*

Enter last name of patient: Smith

No active patient

Position cursor at desired patient & depress desired function key

No active patient

NEW PATIENT

Smith, Adam, C. 3306 Pacifica Lane, Beverly Hills, CA

Smith, Barbara 411 S. Sperry Road, S.W., Santa Monica, CA

Smith, Beverly 14327 San Pasqual Avenue, San Marino, CA

Smith, Marilyn 16599 11th Street, Los Angeles, CA

Active Patient: Smith, Beverly 14327 San Pasqual Avenue, San Marino, CA

Height: 5'3" Weight: 123 Sex: F DOB: 02/19/61

CURRENT PRESCRIPTIONS:

DRUG CODE	DRUG NAME	STRENGTH	DOSE	TIMES	TOTAL	EXPIRES
000002 0806 02	darvon compound	65 65 mg	2 TAB	4/day	50 TAB	05/01/82

ALLERGIES AND CHRONIC CONDITIONS:

CODE# NAME

802 Penicillin

DIAGNOSES:

Code	Name	Date

PROCEDURES:

Code	Title	Date

COMMENTS:

1/EDIT

Interaction Analysis Completed

Active Patient: Beverly, Barbara S. 11222 La Cienega Blvd, Inglewood, CA

INTERACTION ANALYSIS RESULTS:

18853 diabinese tablet 250 mg

25536 esidrix tablet 50 mg

source = EDI, page = 0040, action code = F, severity code = 7

All thiazide diuretics can cause hypokalemia, and this may be partially responsible for the hyperglycemia that is seen in some patients receiving these drugs. Also, the thiazide diuretics may cause a decrease in the amount of endogenously released insulin.

1/resume

... all from your office  
*or* a remote location.

with

**MEDSAFE**™

the unified approach to improved patient care

## PRODUCT SPECIFICATIONS

### Terminal Unit:

*Size:* 13¼" H x 17½" W x 24" D  
(33.7 cm x 43.5 cm x 61 cm)

*Weight:* 30 pounds (13.7 kilograms)

*Power Requirements:* 115 VAC, 60 Hz, 2 amperes; or 230 VAC, 50 Hz, 1 ampere

### Printer Unit:

*Size:* 8¾" H x 24¾" W x 16½" D  
(22.2 cm x 62.8 cm x 41.9 cm)

*Weight:* 45½ pounds (20.7 kilograms)

*Power Requirements:* 115 VAC, 60 Hz, 3.5 amperes; or 230 VAC, 50 Hz, 2 amperes

*Paper:* pin-feed or single sheets

### Storage Unit:

*Size:* 11¼" H x 18" W x 20" D  
(28.6 cm x 45.7 cm x 50.8 cm)

*Weight:* 40 pounds (18.2 kilograms)

*Power Requirements:* 115 VAC, 60 Hz, 4 amperes; or 230 VAC, 50 Hz, 2 amperes

#### *Storage Capacities:*

*On-line* (Winchester-type disc drive): over 6,000 densely-printed pages

*Demountable* (Cartridge tape drive): full contents of the disc drive



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COMPUNET provides computer engineering, design, development, and testing services for systems that present challenges demanding innovative solutions, especially those employing microprocessors or distributed computers.

COMPUNET's customer base now includes both Federal and State governments in the United States, and several of the world's major corporations, including Honeywell, McDonnell-Douglas, Sperry, and TRW.