

Smart Pill Box™



Makers of Compliance Engine!

Smart Pill Box

Smart Pill Box™ (SPB) is a very simple to use device to improve medication compliance. It can be connected to a simple phone line like an answering machine or to a DSL/Internet connection.

The prescription bottles obtained from pharmacy can be kept in the SPB for daily use. SPB will buzz at the time prescribed for taking the medicine. If the patient forgets to take the medicine at a given time the system will (after a grace period) generate a automated phone call to alert the patient if he has forgotten to take the medicine. The system will also warn the patient if it seems that he is taking the medicine twice or taking at a wrong time.

The advance versions of the Smart Pill Box can be connected to other healthcare devices like Blood Pressure and Blood Glucose meter.

In addition to improving patient compliance, the technology providing the back office support will also maintain a patient diary. All the data collected will be stored securely as per the HIPAA rules and made available only upon patient authorization to specified caregivers and physicians. Patient can also send data to them via Fax or secured e-mail.

Disease	Rate of Non-Compliance
Diabetes	40% to 50%
Hypertension	40%
Arthritis	55% to 71%
Epilepsy	50%
Organ Transplant	18%



The Smart Pill Box™ is easy to use

The Smart Pill Box™ works in the following way.

- ◆ The patient inserts your pillboxes in the Smart Pill Box™
- ◆ Each time your patient takes a pillbox out to consume medicine, photo sensors will register this and mark the time he/she took the pill.
- ◆ The Smart Pill Box™ uses a telephone line to send the stored information to our disease management system.
- ◆ The disease management system uses this information to supervise whether the patient is complying with the treatment.
- ◆ If the patient is not complying with the treatment the system will telephone him and tell him to take his pills using landline or cell phone.
- ◆ If there is no reaction from the patients for more than a physician specified period the disease management system alerts a nurse or a physician to call him.



The Future

The healthcare industry is estimated at \$ 1.3 Trillion and growing at an annual rate of about 10%. Highly prevalent chronic diseases like Diabetes and Hypertension rank high in medical non-compliance.

