

## Facts:

### Medication Non-Adherence ... an Avoidable Epidemic

Of the patients prescribed medications in the United States\*, it is estimated that:

- ▶ 1/3 take all of their medications as prescribed
- ▶ 1/3 take some of their medications
- ▶ 1/3 do not take their prescribed medications at all
- ▶ 23% of caregivers report problems with medication management
- ▶ 11% of all elderly hospital admissions were due to medication non-compliance
- ▶ Only 50% of the people typically follow their doctor's orders when it comes to taking their prescription drugs

\*Sources available upon request

## Tunstall

Tunstall is a leading provider of remote health monitoring devices and 24/7 communication services to facilitate stronger, more positive relationships between patients, providers, and payers. With our innovative dashboard of connectivity solutions, Tunstall adds a new dimension to the healthcare landscape to enhance care, support independent living, and improve quality of life.

### Included SKU 993019 / SKU 994019

e-pill MedSmart Dispenser	AC wall transformer
Two med-trays (29 cell count) with dust cover	Keys (2)
Tray filling disk guides	4 AA batteries (backup)
Docking base with built-in reference card	On the go pill box
	User and programming guide



### Default alert notification settings\*

ALERT	TYPE	PROGRAMMABLE	DEFAULT SETTING
Missed dose	Immediate	Per patient	After 2 consecutive missed doses
Refill reminder	Next day	Per patient	2 days of medication remaining
No base station call in	Next day	Per patient	3 days without communication
Help/refill	Immediate	No	Immediate
Machine error	Immediate	No	Immediate
Low battery	Next day	No	Battery is low
No new data	Next day	No	None

\*Alert notification settings may be adjusted by the user.

## e-pill MedSmart Automatic Pill Dispenser

A proven e-pill adherence device that organizes, reminds, and dispenses medications so they are taken properly and on-time. At set times during the day this e-pill dispenser will beep, flash, and rotate, making the proper pills available for consumption. Just flip your MedSmart over and the correct pills will be dispensed, while all other doses remain safe and secure. Standalone (SKU 993019) and event reporting version (SKU 994019 / FREE Monitoring). MedSmart **improves medication adherence, reduces the risk of dosing errors**, improving clinical outcomes and quality of life.



**Tunstall**

### Those who have:

- ▶ Multiple prescriptions
- ▶ Difficulty organizing pills
- ▶ Hard time remembering
- ▶ Dexterity issues
- ▶ Difficulty reading labels
- ▶ Risk of misdosing

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# MedSmart features and benefits for ease of use

- 1 Large digital display and programming buttons**  
MedSmart's clear display provides time, date, next alarm, and doses left information. Easy access keypad makes programming quick and simple.
- 2 Early Dose button**  
Perfect for individuals with more active lifestyles, doses can be accessed early so they can be taken while not at home. Based upon client need, the early dose button may be hidden to control medication misuse.
- 3 Easy fill med-trays with lid**  
MedSmart comes with two (2) removable Med-Trays that can be filled remotely by a pharmacist, caregiver, or health care provider. Trays can be stored on or off-site to control and expedite refill.
- 4 Sturdy lock**  
MedSmart can be locked to prevent system tampering and medication misuse.
- 5 Home powered docking base with back-up battery**  
MedSmart comes with a convenient docking base which provides power to the unit and serves as the gateway to upload information to the data center in the event reporting version. MedSmart operates on AC power when in the docking base and battery power when in transit or in the event of a power outage.
- 6 Audio and visual reminder alarms**  
MedSmart can be programmed from one to six times per day to prompt the user to take their pills.
- 7 Loading disk guides**  
Disk guides easily fit over the tray to simplify refill.
- 8 On-the-go pill box**  
A portable pill box is provided to carry early doses.



# MedSmart makes the connection (SKU 994019)

## Free Event Reporting and Notification by Tunstall (SKU 994019 only)

Medication adherence is becoming increasingly more difficult for the average individual. With MedSmart's innovative event reporting and notification option, family, caregivers, and healthcare professionals can proactively support independent living.

### How this e-pill works

MedSmart's docking base serves as the gateway for remote programming and event reporting. When connected to an active phone line, MedSmart transmits device and dispensing history to a secure website for review by authorized individuals.

Through a personalized notification system, alerts can be sent to track adherence, address dosing errors, and predict refill requirements.

### Remote programming

MedSmart can be remotely programmed by the Activation Center to automate set-up and accommodate programming changes.

### Help/refill request button

When pressed, a signal is sent to the Data Center and a help notification is sent to the designated recipient.

### Alerts and notifications

Alert notifications are sent out by the Data Center's reporting server in three different formats:

1. Email message
2. SMS cell phone text message
3. IVR automated voice telephone message plus, on-line access



Missed Dose

Help/Refill

Error

1-800-549-0095

www.epill.com

### On-line dispensing history summary

User: Mary Smith      Report Period: 1/15/09 to 2/15/09  
Doses Per Day: 3      Total Doses for Period: 90

Alarm Times	On-Time Dose	Late Dose	Missed Dose	Early Dose
8:00am	22	4	2	2
2:00pm	18	2	0	10
8:30pm	23	2	4	1
<b>Total</b>	<b>63</b>	<b>8</b>	<b>6</b>	<b>13</b>
<b>Compliance</b>	<b>70%</b>	<b>8.9%</b>	<b>6.7%</b>	<b>14.4%</b>

### Immediate alert events

These events are urgent in nature requiring immediate notification.

- ▶ **Missed dose** – If a scheduled dose has not been removed from the dispenser within 60 minutes of the alarm time, an alert will be immediately sent.
- ▶ **Help/refill** – The help/refill button has been pressed on the Docking Base.
- ▶ **Machine error** – The dispenser has experienced a mechanical malfunction.

### Next day alert events

These are less urgent events that are uploaded once per day overnight and sent to recipients the next day.

- ▶ **Tray low/refill reminder** – The number of remaining doses has reached the established threshold.
- ▶ **Low battery** – The dispenser's internal batteries are weak and need to be replaced.
- ▶ **No device call-in** – The Docking Base has not communicated with the Data Center within a designated time frame.
- ▶ **No new data** – Informs recipient(s) that the dispensing unit has not been docked since the previous days upload.