

## Promoting Independence With Technology

Remote Monitoring Technology  
Smart Home Technology  
Assistive Technology

Meg Dexter

---

---

---

---

---

---

---

---

### FACTS

- ◆ It's time to think differently about our service delivery system
- ◆ Our current system is expensive, more challenging to manage and staff
- ◆ New ways are needed to support people to be more independent

---

---

---

---

---

---

---

---

### Remote Monitoring

- ◆ What is it?  
According to Wikipedia, it's "a technology to enable monitoring of patients outside of conventional clinical settings"
- ◆ What might be the benefits of remote monitoring? Risks?

---

---

---

---

---

---

---

---

### CWC DEMO 2013

- ◆ CWC operated a demo project of remote monitoring
- ◆ We supported an individual who lived alone in his own apartment; supported by SSI; Food Stamps; income from a part time job and a few direct care hours

---

---

---

---

---

---

---

---

### Real Life Test

- ◆ The individual received three checks each day by Rest Assured
- ◆ He was able to come and go as he pleased and he used his bicycle for a good deal of his travels
- ◆ Staff engaged to respond but were only used twice in the entire year

---

---

---

---

---

---

---

---

### Remote Monitoring Technology through Rest Assured:

- ◆ Provides remote monitoring services from their headquarters in Lafayette, Indiana
- ◆ Provides individuals with an option for staying at home
- ◆ Partners with companies in 14 states

---

---

---

---

---

---

---

---

**Win/Win Situation**

<u>For Individual</u>	<u>For Agency/State</u>
<ul style="list-style-type: none"><li>• Independence</li><li>• Not Sacrificing Safety</li><li>• Dignity</li><li>• Choice In Services</li><li>• Staying Connected</li></ul>	<ul style="list-style-type: none"><li>• Productivity Enhancement</li><li>• Relief Staff</li><li>• Cost Savings</li><li>• Travel Time</li><li>• Quality Assurance</li><li>• Serve More</li></ul>



---

---

---

---

---

---

---

---

**The Package with Cameras +**

- Carbon Monoxide
- Temperature
- Smoke Detector
- Door Open
- Window Open
- Motion Detector
- Glass Break
- Traffic Sensor

---

---

---

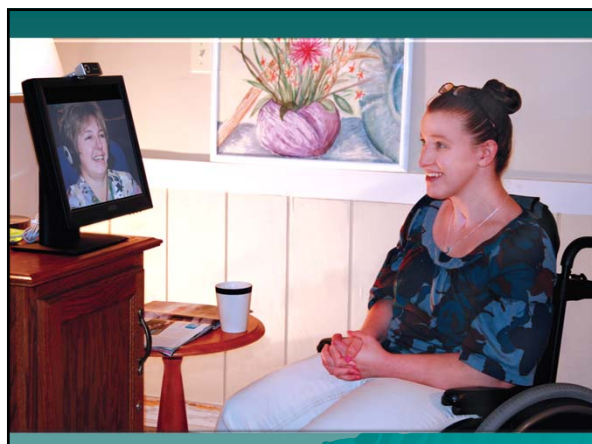
---

---

---

---

---



---

---

---

---

---

---

---

---



---

---

---

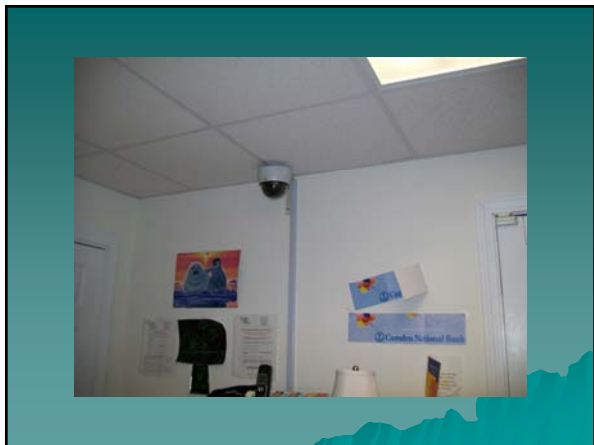
---

---

---

---

---



---

---

---

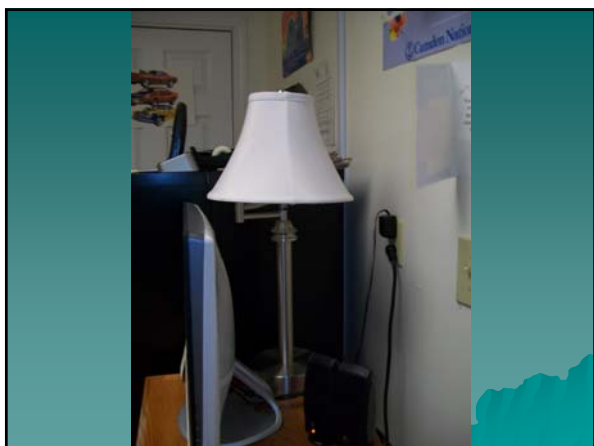
---

---

---

---

---



---

---

---

---

---

---

---

---

### Smart Home Technology

- ◆ What is it?  
According to Imagine Colorado!, the pioneer of smart homes, "incorporating a variety of technologies designed to enhance the quality of life for residents, augment the effectiveness of staff and provide cost and energy savings"

---

---

---

---

---

---

---

---

### SMART HOME TECHNOLOGY

- ◆ Coleman Institute/ANCOR Conference in Colorado  
  
A conference geared specifically to cognitive technologies & ground breaking research

---

---

---

---

---

---

---

---

### Smart Home Technology at Imagine! Colorado

- ◆ Mission: to provide innovative ways to provide support services
- ◆ Built two smart homes that support individuals with developmental disabilities
- ◆ Reduced staffing by 2 FTE's

---

---

---

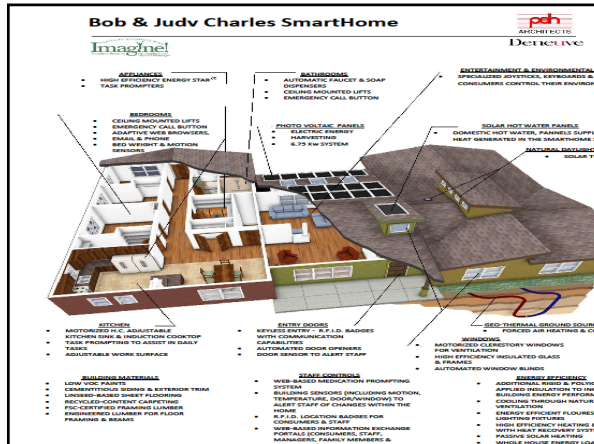
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

---

---

---

---

## ASSISTIVE TECHNOLOGY

**Assistive technology** or **adaptive technology** (AT) is an umbrella term that includes:

- assistive, adaptive, rehabilitative devices for people with disabilities

AT also includes the process used in selecting, locating, using the devices.

---

---

---

---

---

---

---

---

## Knights' Court

- ◆ This is the latest project to involve Assistive Technology as part of the Other Related Conditions (ORC) Waiver
- ◆ A seven unit independent apartment complex designed by people with cerebral palsy; guardians; CHOM; CWC and architectural firm

---

---

---

---

---

---

---

---

## AT at KC

- ◆ Currently reimbursement for AT is part of the waiver.
- ◆ KC has adaptive features overhead tracking; ADA accessible units; roll in showers; adjustable counters
- ◆ KC also employs AT advantages;

---

---

---

---

---

---

---

---

### Products in Action

- ◆ Cell phones and tablets - to provide people a way to access CWC staff in a 24 hour window, to allow us to respond in real time to their needs
- ◆ Wristwatch for an individual who has seizure activity, the watch calls staff cell phone when there is a concern Gives updates on vitals, etc..

---

---

---

---

---

---

---

---

### Products in Action

- ◆ A camera able to be accessed by cell phone for eyes on supervision
- ◆ Specialized "call" buttons

---

---

---

---

---

---

---

---

### AT promotes greater independence

- By enabling people to perform tasks they were formerly unable to accomplish, or had great difficulty accomplishing,
- By providing enhancements to, or changed methods of interacting with the technology to accomplish tasks.

---

---

---

---

---

---

---

---



**Assistive Technology Also Includes:**

- ◆ Automated dispensers for soap, toothpaste, shampoo, jar openers, etc
- ◆ GPS technology for tracking
- ◆ I-Pads/Tablets/Google TV – prompting, reminders, calendar
- ◆ Automated pill dispensers
- ◆ Skype phone

---

---

---

---

---

---

---

---

**Where is AT Engaged**

- ◆ Currently, 4 'Waivers', have assistive technology and remote monitoring as reimbursable services
  - Section 18-Brain Injury Waiver
  - Section 19-Elderly/Adults
  - Section 20-ORC Waiver
  - Section 21-DD Waiver
  - Section 29-DD Waiver

---

---

---

---

---

---

---

---

**Where to Turn**

- Rest Assured LLC
- ALLTECH & Spurwink
- Alpha One
- Maine CITE
- Pine Tree Society
- IRIS Network
- Maine Center on Deafness
- Goodwill

---

---

---

---

---

---

---

---

### How Can AT/Remote Monitoring Benefit People?

- ◆ How can we effectively introduce and demonstrate assistive technology?
- ◆ How can we collaborate to provide affordable technology resources to help people remain independent and safe in their homes?
- ◆ What would work in Maine?

---

---

---

---

---

---

---

---

### QUESTIONS?

Living The Smart Life Video

---

---

---

---

---

---

---

---