
**Smart Supports – Using
Technology to Improve Service
Options for Consumers, Families
and Providers**

OACB Spring Conference

May 20, 2010

Greg Wellems

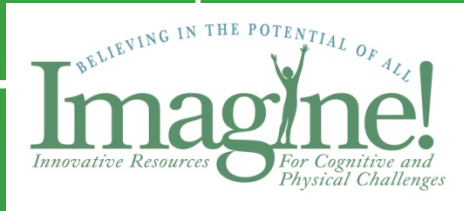
Imagine!

What is Imagine!



- Established in 1963 in Boulder County, Colorado, United States
- Community Centered Board (CCB)
- Variety of Supportive Services
- 85% Funding from Medicaid
- Provided support services to 2,500 people in 2008

About Imagine!



The Mission of Imagine! is to create and offer innovative support services to people of all ages with cognitive, developmental, physical, and health related needs so they may live fulfilling lives of independence and quality in their homes and communities.

Why SmartSupports?

17% of GDP is spent on Health care

2.4 trillion in 2007

Expected to reach 4.3 by 2017*

50% more than any other country

40% of the US budget is spent on Medicaid,
Medicare and SS

Estimated 74% by 2030

Why SmartSupports?

Waiting Lists are Growing

4 to 6 percent annually

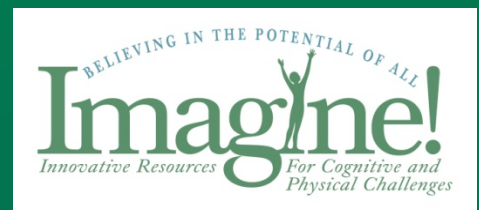
Colorado estimated 12,000

Ohio estimated 27,000

Direct Support Professional Shortage

Home Health/50%increase by 2016

Wages are stagnant



Supportive Services Continue to Change

Care is becoming increasingly complex

Caregivers need more information

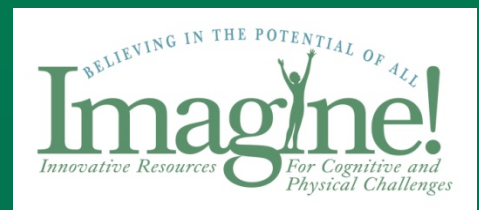
People are living longer

Wellness Promotion

Reimbursement Policies

Consumer/Family Involvement

Health Professional Shortage



Only One Thing to Do....

Embrace the Suck-

Services/Supports must be more efficient

Plan for the Future

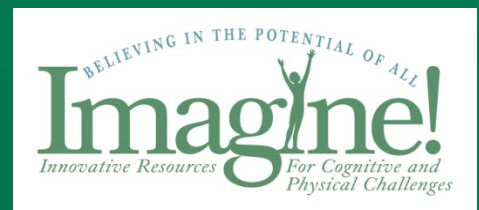
Stagnant Rates and Resources

Regulatory Changes

Change Presents Opportunity

Create New Models

Replace existing models



Using Technology to:

Improve Consumer Services/Supports

Assess Service/Support Needs

Facilitate Communication/Involvement Families

TeleHealth/Education

Improve Organizational Efficiency /IT IQ

Coordinate Information

Assess/Evaluate DSP (Direct Service Professional)

Engage in Research and Development

Design/Develop New Products

Demonstrate Success/Failure

Create New Service Models

Address Waiting Lists

Establish/Develop New Partnerships

Social Ventures

Policy Perspective

December 11th Letter –to HHS

February 26th Response

CMS Letter of January 2010

Self- Direction Programs – “permits participants to purchase items that will promote independence and reduce human assistance”

State Medicaid Waivers

Indiana

Ohio

Variety of Remote Monitoring Systems


- Cameras
 - PTZ – Fixed Units
- Motions Sensors
 - Detect Falls/Proximity
- Security/ Health and Safety Sensors
 - Doors/Windows - Alarms
- GPS- Community
- Remote Health Monitoring
- RFID – Specific Location
 - Environmental Control
 - Data - Trends

You no longer need “The Knack”



Information Technology is Pervasive...

- Product Development/Customer Base
- Research and Development/Stable Organization
- Across Service Realms/Similar Service Needs
- Families/Demand Management
- Medical Professionals/TeleHealth



The goal of the Bob and Judy Charles SmartHome: Through the application of technology, we will improve the quality and efficiency of supportive services for individuals with developmental and other disabilities in a permanently affordable, cost effective, and energy efficient community setting.

<http://imaginesmarthomes.org>

Long Term Goal

Through the application of technology, we will improve access and availability of supportive services for individuals with developmental and other disabilities so that they may lead fulfilling lives in their homes and communities.

Participatory Process

Consumer/Family Involvement

Design

Selection Process

Outline Expectations

House Guidelines

Consumer/Family Satisfaction

Technology Assessment/Evaluation

Areas of Technology

Consumer Specific Supportive Services

Family Communication and Access

Operational – Management and Line Staff (DSP)

Support and Information

Environmental – Home Management and

Monitoring Systems

Changing Static to Dynamic

Consumer Actions

Learning/Independence

Direct Care Interactions

Billing for Reimbursement

Notification and Prompting

Health/Wellness

Family Involvement

The logo for caraSolva, featuring the word "cara" in a light blue sans-serif font, a stylized grey sphere with a white highlight, and the word "solva" in a darker blue sans-serif font.The logo for GridAgents, with "Grid" in a green, blocky font and "Agents" in a blue, blocky font. Below it is the tagline "Enabling the SmartGrid™" in a smaller, blue, italicized font.

GridAgents[®]
Enabling the SmartGrid™



Consumer/Family Specific

Universal Interface - UMPC

Environmental Control System

Communication – VOIP

RFID, IR and GPS Capable

Teaching and Prompting Systems

Family Information Systems



Operational

SaaS Model

Management Interface -Browser Based

Employee Time Tracking

DSP Interface - Browser Based

Automate Documentation

- Incident Trending

- Care Plans

- Billing/Utilization

Multiple Platform Integration

LMS

Family Access/Portal



Energy Management



Energy Efficiency

Intelligent Monitoring –Data Mining to Create Usage Profiles

Create and Optimize Load Profiles

Integrate Adaptive Technology with GridAgents Technology



Current and Potential Research

Working with Colorado WIN Partners

Identified 31 areas of research

Quality of Life

Effectiveness of services

Provide Cost and Energy Savings

Improved Health and Safety

Funded through Grants



Areas of Development

Consumer Assessment

Integrating Multiple IT Platforms

DSP Training

Product Development and Assessment

- Adaptive Equipment

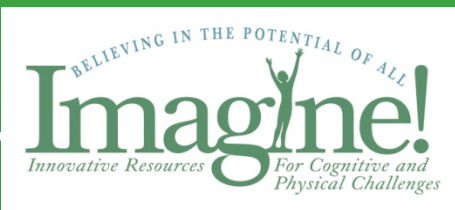
- Behavioral Supports

- Behavioral Patterns Recognition through Energy Usage

- Social Networking

Capturing Life History

Remote Monitoring Waivers



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FaceBook –
<http://www.facebook.com/pages/ImagineSmartHomes/86609388388>

Twitter
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