Guided by the belief that every person has ABILITY & VALUE, we EMPOWER ADULTS with developmental disabilities to LIVE, WORK, AND CONNECT.

HOUSING
LADD offers integrated living opportunities that provide the necessary support to help people learn independent living skills and live successful lives through community clusters and technology.

HEALTH AND WELLNESS
LADD ensure the Health and Wellness of the individuals we serve by implementing outcome driven programs.

MEANINGFUL ENGAGEMENT
LADD organizes the Over-the-Rhine Film Festival each year to promote profound cultural change, elevate diversity, and ensure our communities build disability into all conversations.

46 years ago, LADD was founded by families of adults with developmental disabilities who sought to address a critical need in our community. Today, LADD serves over 600 people with developmental disabilities – many of whom are low income – for as long as they need services. LADD uses its programs to cultivate and grow components of a meaningful life.
Forever, Home: A new way of delivering services with a technology FIRST mindset

**Concept Video**

---

**Innovating A New Model**

Smart Living Pilot:
1. Three years
2. Smart home technology
3. Wearables
4. Staff phase out
5. Remote supports in place

Forever, Home Community Clusters of Service
- Homes in walkable neighborhoods
- Close Proximity to each other
- Self-Directed Teams
- Outcome Based Service Delivery

---

**SCALABILITY TO DRIVE SYSTEMIC CHANGE**

- INTEGRATION
- TRAINING
- TECHNOLOGY
- LOWER COST OF SERVICES
Smart Living Pilot Outcomes

- A means for remote supports once a person leaves their home.
- An alternative service model for people that have not gotten the waiver and are not likely going to be in an “emergency situation.”

From Traditional Services to Technology First

IDENTIFY

IMPLEMENT

DEVELOP

SCALE
IDENTIFY

• What are our needs?
• Who is already doing this?
• What technology solutions exist?
• What platforms for service are available?

308 Total Requirements
184 Must Have Requirements
75 Should Have Requirements
39 Nice to Have Requirements

Total Solution Summary

We have identified a solution for almost all must have requirements.

89% of the TOTAL REQUIREMENTS have an identified Solution

Solution Development Summary

COMMUNICATION

6 must have requirements relating to simple, voice, video & staff assistance

HOME MONITORING

14 must have requirements relating to detecting & monitoring activity within & around the home

SMART HEALTH

3 must have requirements relating to monitoring and measuring health metrics

DAILY ROUTINES

16 must have requirements relating to recurring tasks, calendars, & reminders & messages for residents

EXTERNAL MONITORING

2 must have requirements relating to monitoring & assisting activity outside the home

HOME AUTOMATION

15 must have requirements relating to in-home technology assistance & accessibility
Home Automation Summary

**Handling 21 total requirements**

- **Security System**: Includes door, motion & glass break sensors
- **Smart Door Bell**: Video & communication to RSC
- **Smart Home Entry**: Key pad, fingerprint & facial recognition
- **Auto Lock Doors**: Lock from outside automatically
- **Video monitoring & recording**: Internal & external
- **Smart Thermostat**
- **Smart Light Switches**
- **Automated Room & Safety Lighting**: Motion, time or event-based lighting for rooms & hallways
- **Automated Blinds**: Voice, mobile app, service center, scheduled
- **Temp/ Humidity Sensors**
- **Water Leak Detectors**
- **Smart Garage Door**: Remote, time-based, alerts
- **Smart Home Hub**: Integrated to Alexa voice control
- **Remote Service Center Controls**: Service Center can remotely control and monitor all the above items
- **Smart Appliances**, including refrigerator, oven, dishwasher and laundry

A New Staffing Model

- Elimination of block-time caregiving staff time
- Needs not solved by technology use targeted intervention specialists
- Intervention specialists specialize in areas they are passionate about
- Remote Support Staff provide anticipatory supports, monitor for needs and drop in virtually for scheduled supports
- All time spent by staff is value-added
- Model allows for reduced staffing needs
Smart Living Pilot Focuses

Heidt Smart Living Home

- Wearable Technology
- Remote/Technology Enabled Supports

Ten months into project
- Successfully reduced staff time by 100 hours per week
- Xavier study on technology and independence ongoing
- Partnership with Stanley/Black and Decker Health for smart health devices
- Expansion of additional devices at home to further tech testing
Smart Living Pilot Successes

- Wearable tech to assist with transportation issues
- Smart refrigerator for meal assistance
- Smart shoe insoles to increase inclusive community independence
- LADD Grandcare Smart Supports platform
- New Model significantly reduces staffing needs for new expansion

Spectrum News Story
Forever, Home Community Cluster Service Model
- Homes in walkable neighborhoods
- Close Proximity to each other
- Outcome Based Service Delivery
- Shift from Typical Staffing Structure to Self-Directed Teams
- Elimination of Caregiver Staff
- Technology First Assessment of Needs
- Value-Added Interventions as Needed

Value-added, In-Person Supports Performed by Intervention Specialists

- Health Eating
- Organization
- Scheduling
- Roommate/Social Relationships
- Self Determination
- Employment Supports
- Social Connections
- Financial Assistance
- Transportation Assistance
- Medical Management
A new service model

- Smart Homes
- Community Clusters
- Remote/Technology Enabled Supports
- Wearable Technology

Move-In Video

THANK YOU

Brian Hart
LADD, Inc
Chief Strategy Officer

bhart@laddinc.org
www.laddinc.org