



Bancroft Strategy: Person-centered technology to promote independence

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VISION

Bancroft sets the standard of excellence in services for people with disabilities and professionals in the field through...

- a culture of learning
- innovative treatment
- transformational research

all leading to outstanding outcomes.

MISSION

Bancroft profoundly impacts children and adults living with disabilities by delivering high quality services to empower them to realize their best life.

Bancroft ~ A Regional Leader

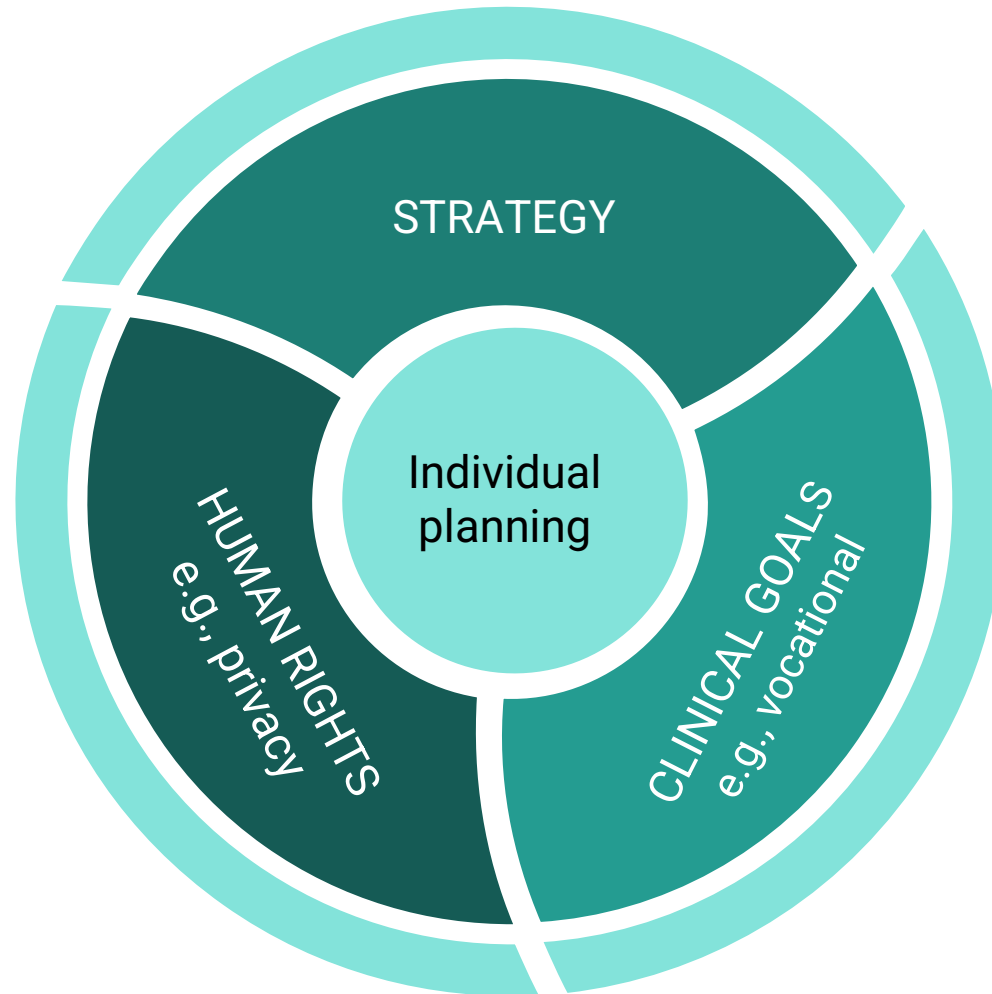
- Staff of **3,000** serving approximately **2,000** individuals annually
- **240+** group homes/supervised apartments
- **18** facilities, **2** campuses
- Programs in **NJ** and **DE**

Bancroft is positioned to implement and evaluate novel technologies and make industry recommendations

Why Technology Matters

- Technology can meet the needs of **consumers**- and our consumers are changing
 - Aging / Social Isolation
 - Profound Autism with new complexities
 - Increased mental health needs / Unmet medical needs
- Technology can meet the needs of our **workforce**
 - Future Trends show dramatic decline in eligible workers
- Technology can meet the needs of the **human services industry**
 - Novel technologies can help industries provide high quality services with lower cost
 - Adopting AI in meaningful ways to benefit service recipient and providers

Integrating Technology: The Bancroft Approach



Advancing Technology through Partnerships

Partners for Tech expertise, whole person healthcare, and best practices in I/DD & autism

 **SJU SAINT JOSEPH'S UNIVERSITY**

Haub School of Business



DREXEL UNIVERSITY

A.J. Drexel

Autism Institute



Rowan University



Cooper

University Health Care

Bancroft Technology Successes

Partner with Technology Innovators to Drive Person Centered Care

- **Smart Supports Home Projects & medication administration: improved independence and reduced med errors**
- Piloted **Virtual Reality** for individuals with I/DD & Autism & for employee training: Experienced **clinical benefits and employee positive reviews**
- Evaluating the use of **humanoid robots** to support staff:
- Evaluating the value of **remote supports**
- Leveraging AI through **AI Center Of Excellence** to find opportunities to support individuals in our programs

Bancroft Technology Successes

Creating Smart Supports Homes

Goals

- Promote **independence, quality of life**
- Enhance **safety**
- **Empower staff** to focus on **people vs. tasks**



- **Specialized technology** works together with **consumer technologies** and **smart appliances** to create a **whole-house ecosystem** to meet residents' **individualized** needs and preferences.
- State & federal lawmakers saw the value, funding a combined **\$1 million** in investments in these homes.
- **Significant opportunity for NJ:** Provide sustained funding for innovation to improve lives of people with disabilities.

Bancroft Technology Successes

Implementing a humanoid robot for I/DD and autism

Goal:

Enhance **meaningful care** through **intelligent** humanoid **social robots**

Partners:

St. Joe's Haub Innovation Center

Outcomes:

- Improve engagement, mood & physical activity
- Improve employee engagement: extend staff reach and support engagement

[Action News Bancroft Story](#)



Bancroft Technology Successes

Implementing Virtual Reality for Clinical Outcomes and Staff training

Goal: Improve health and wellness through use of VR tools

Partners:

Rowan University, Wawa Foundation

Outcomes:

- Over 80% of individuals adapted to headsets
- All individuals increased time engaged in activities
- Utilizing VR to promote calm and meditation experiences



Bancroft Technology Successes

Implementing an AI Center of Excellence

Goal: Leverage AI to streamline work and support individuals

Functions:

- Identify business opportunities for AI use
- Assess value to org and individual
- Analyze and mitigate risks
- Make implementation recommendations





what's next

Bancroft Strategy: Developing a Smarthome Lab

What: An apartment outfitted with smarthome tools- to trial, teach, and evaluate

Why: Improve independence, service access & workforce challenges

Plan: Develop a catalog of available, effective technology
Assess individual needs & provide education
Evaluate outcomes

What is needed: Start up funding to create the lab

Bancroft Strategy: Evaluating Remote Supports

What: Partner with organizations that successfully implement remote supports for independent living

Outcomes from other states:

Remote supports combined with smart technology reduced staff turnover, increased access, improved independence

Goal: Develop state of the art remote support model

What is needed: Investment in remote support technology & application of established best practices

