



# Defining Contextual Features When Coaching Parents of Children with Disabilities

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# Introduction - Making the Case

- **1 in 68** US children has autism. Most young children who have ASD and other developmental disabilities exhibit deficits in **social-communication skills**.
- Parents of young children with autism spectrum disorders (ASD) seek access to **research-based interventions**.
- **Parent-implemented interventions** for young children with disabilities are effective.
- **Telepractice** services delivered over the Internet can enhance efficiency and reach.



# Line of Research

The Parent-implemented Communication Strategies (**PiCS**) Project

Institute of Education Sciences (IES), Goal 2

The Internet-based Parent-implemented Communication Strategies (**i-PiCS**) Project

Research Board Grant / Hardie Faculty Fellow

The Internet-based Parent-implemented Communication Strategies (**i-PiCS 2.0**) Project

CAS Associate



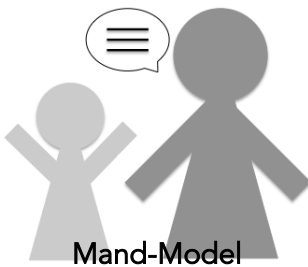


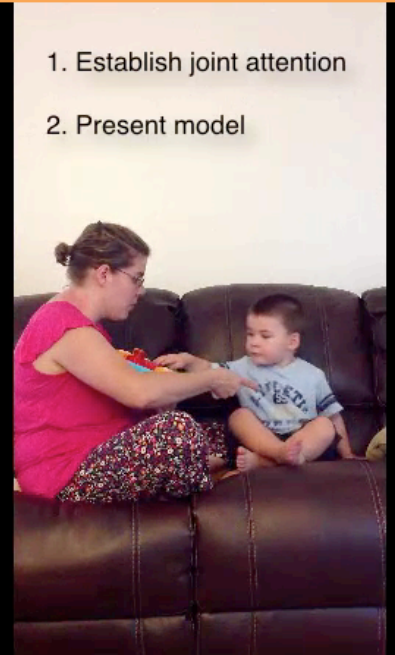
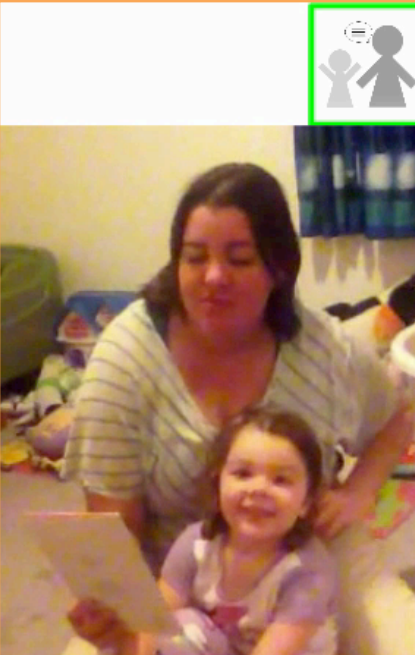



# Research Team 2011-2016

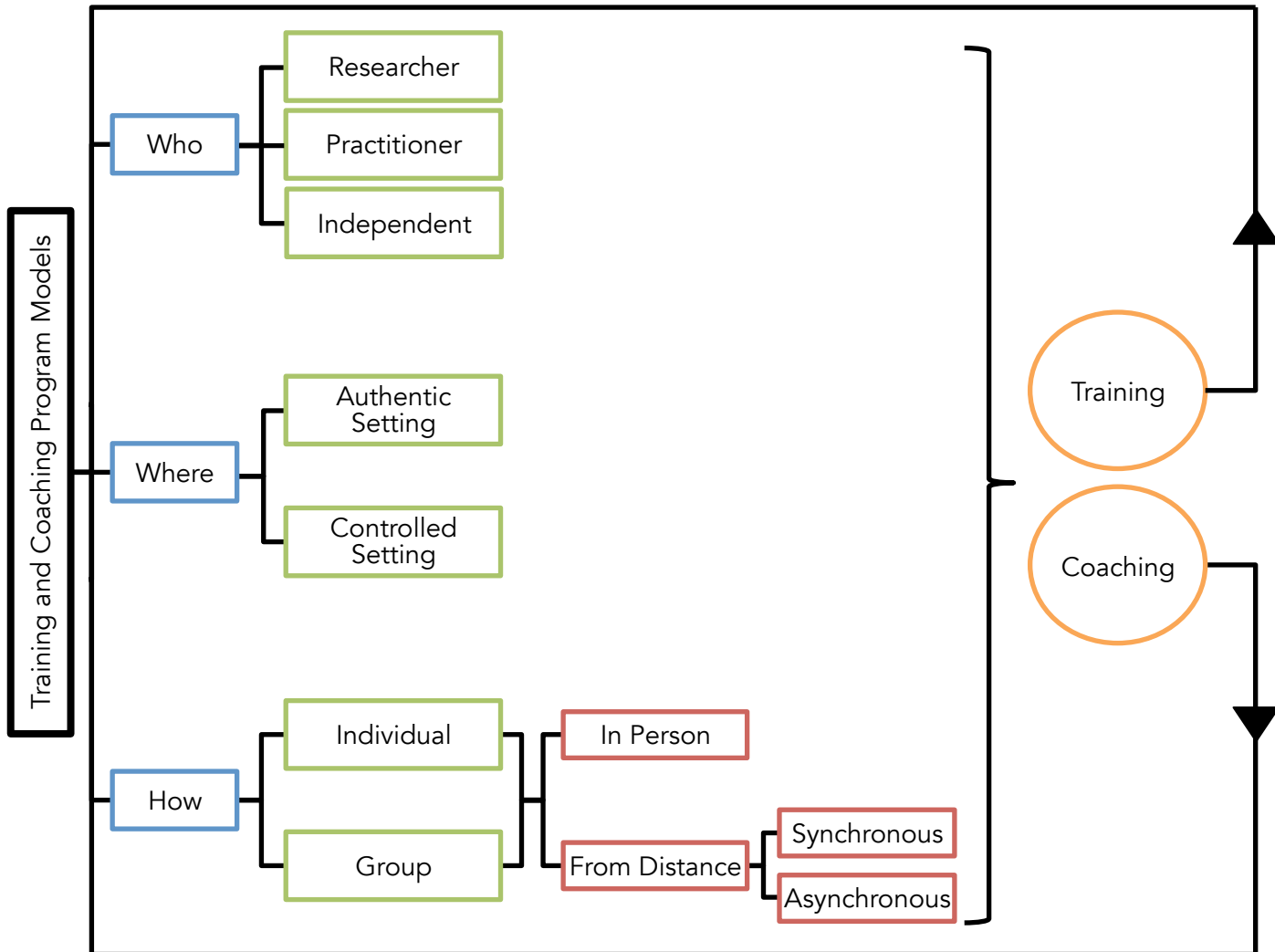
- Jim Halle
- Maureen Angell
- Julia Stoner
- Melinda Snodgrass
- Moon Chung
- Lori Meyer
- Kim Fisher
- Jamie Pearson
- Yusuf Akamoglu
- Sarah Curtiss
- Marc Daczewitz



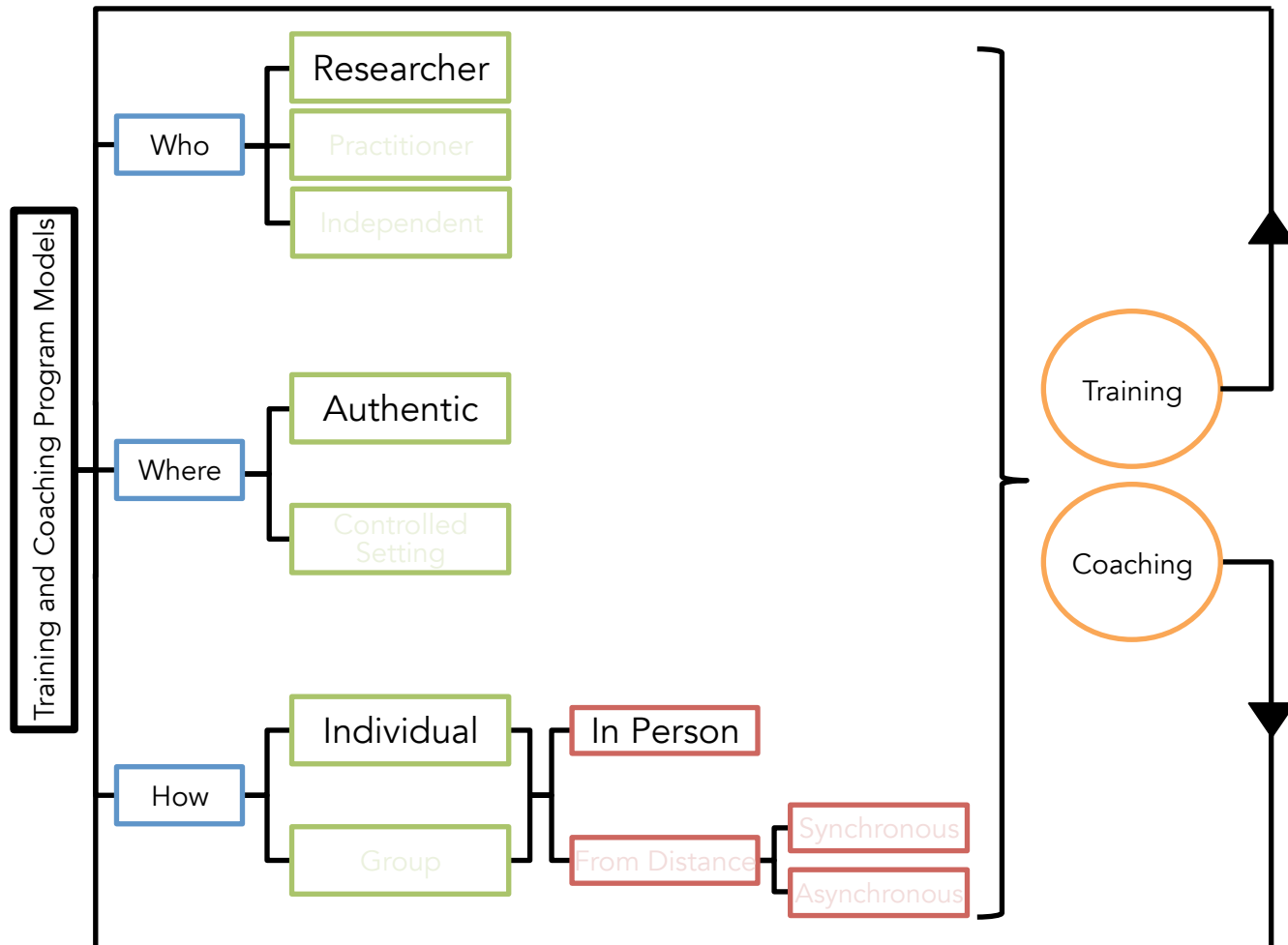
# Overview: The i-PiCS Strategies

 <p>Environmental Arrangement</p>	 <p>Modeling</p>	 <p>Mand-Model</p>	 <p>Time Delay</p>
	<p>1. Establish joint attention 2. Present model</p> 		

# The Training and Coaching Contexts Framework



# 1<sup>st</sup> Iteration: PiCS



# PiCS Facilitators & Barriers

## Facilitators:

- Individual coaching
- Rapport with families and children (face-to-face, in person)
- Natural environment

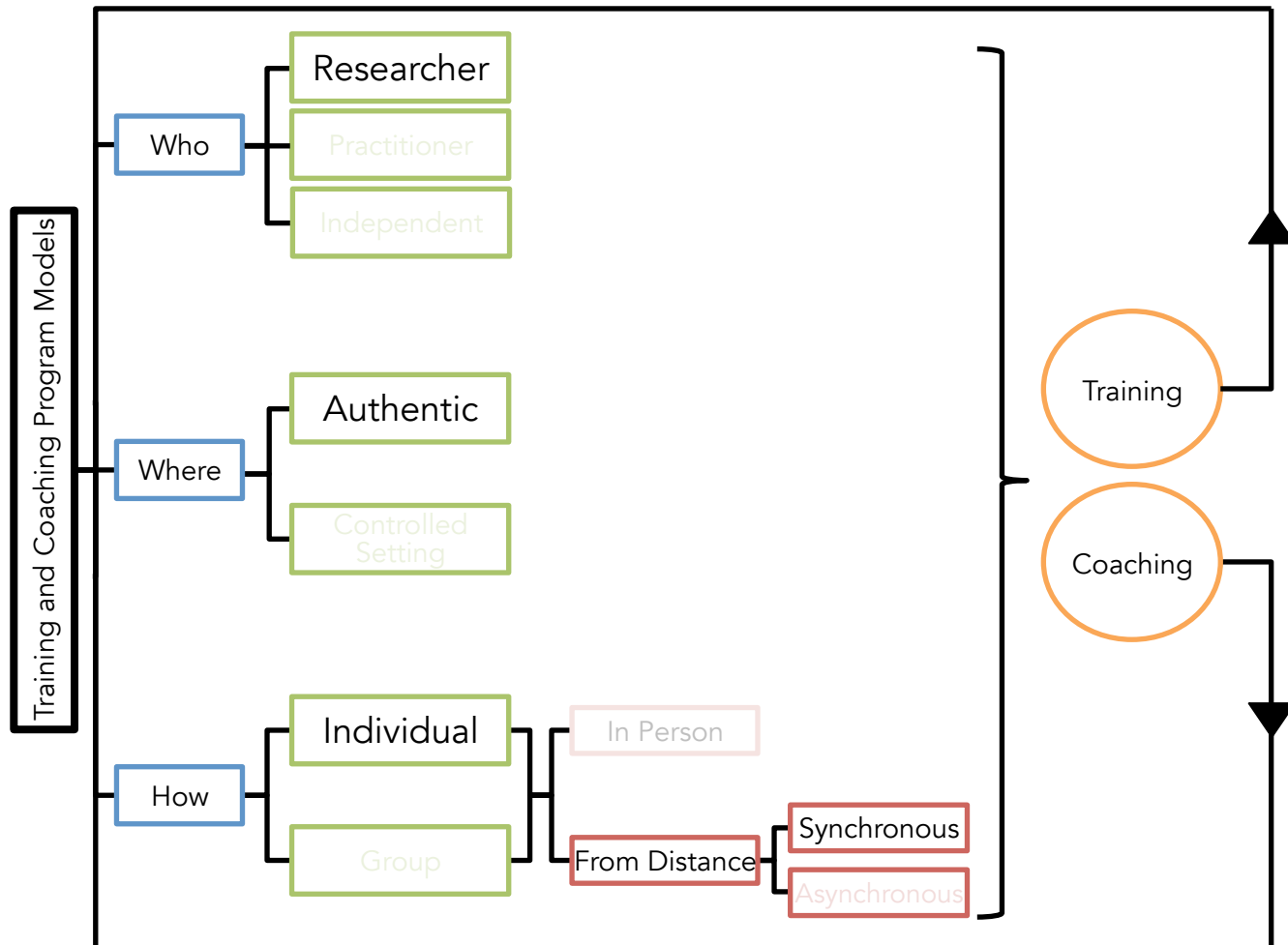
## Barriers:

- Travel time and costs
- Personnel required
- Limited number of families we could work with

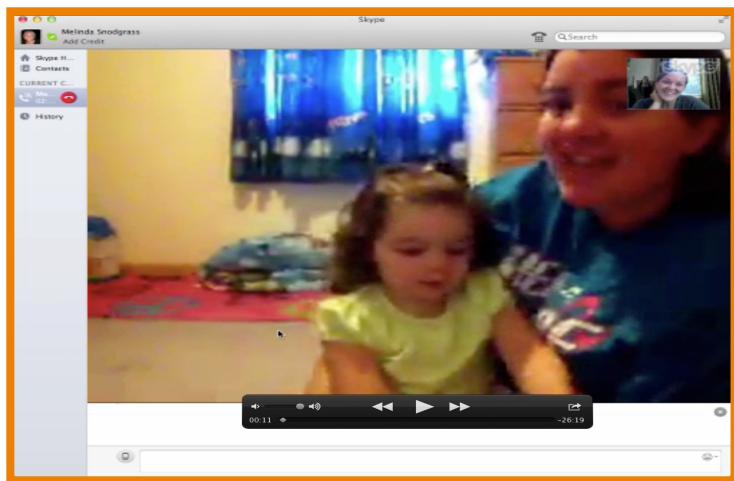




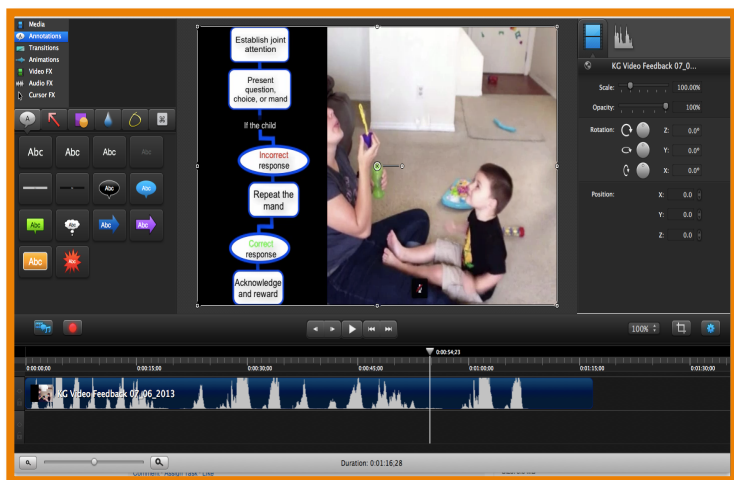
# 2<sup>nd</sup> Iteration: i-PiCS



# Technologies for i-PiCS



- Video conferencing
  - Screen sharing
  - Parent-child interaction observations
  - Skype, Polycom, Doxy.me
- File sharing
  - Box
- Camtasia® Screen Recording & Video Editing
- Equipment
  - Tablet, tripod



# i-PiCS Facilitators & Barriers

## Facilitators:

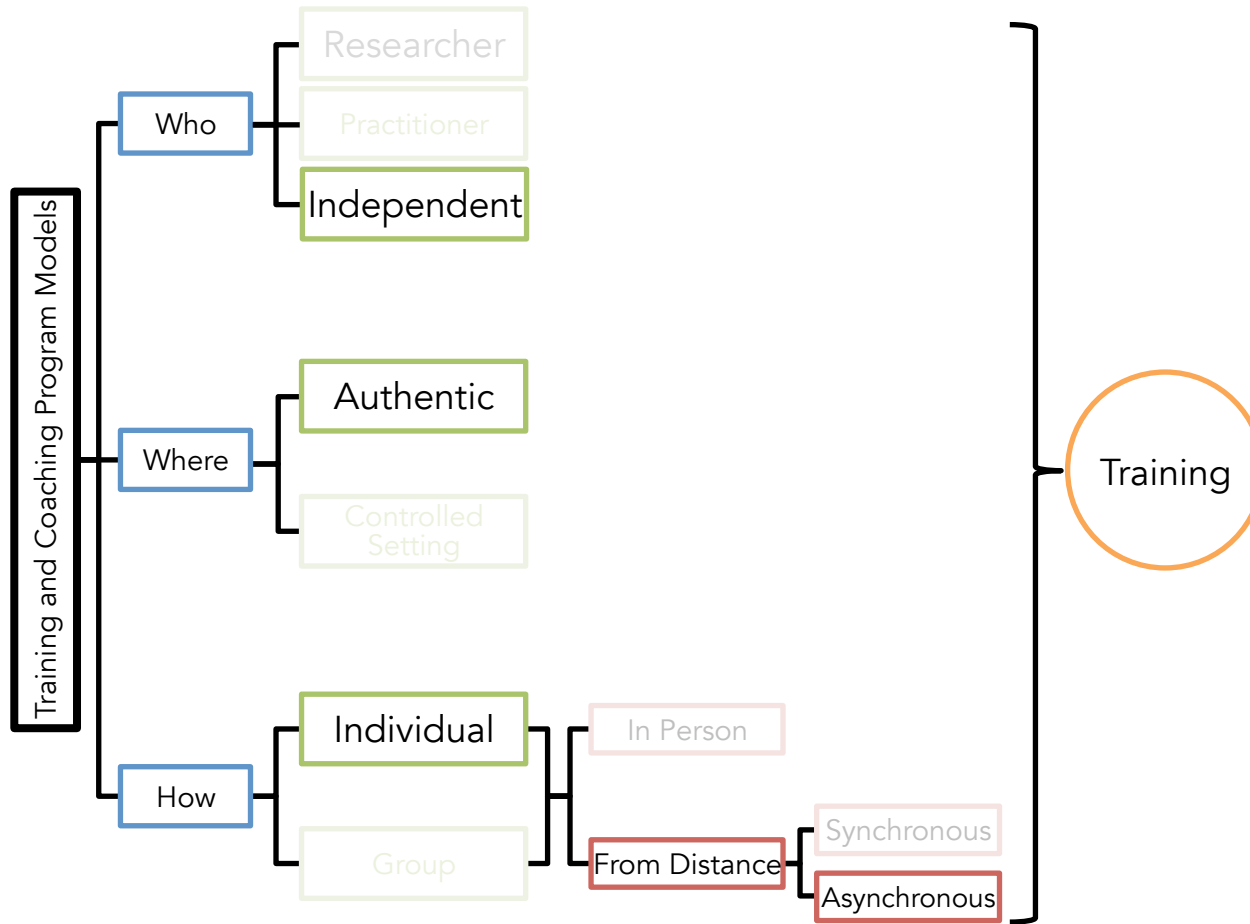
- Individual coaching
- Rapport with families and children (face-to-face, from distance)
- Flexibility of scheduling
- Ubiquitous Technology (iPads<sup>©</sup>, Box<sup>©</sup>)

## Barriers:

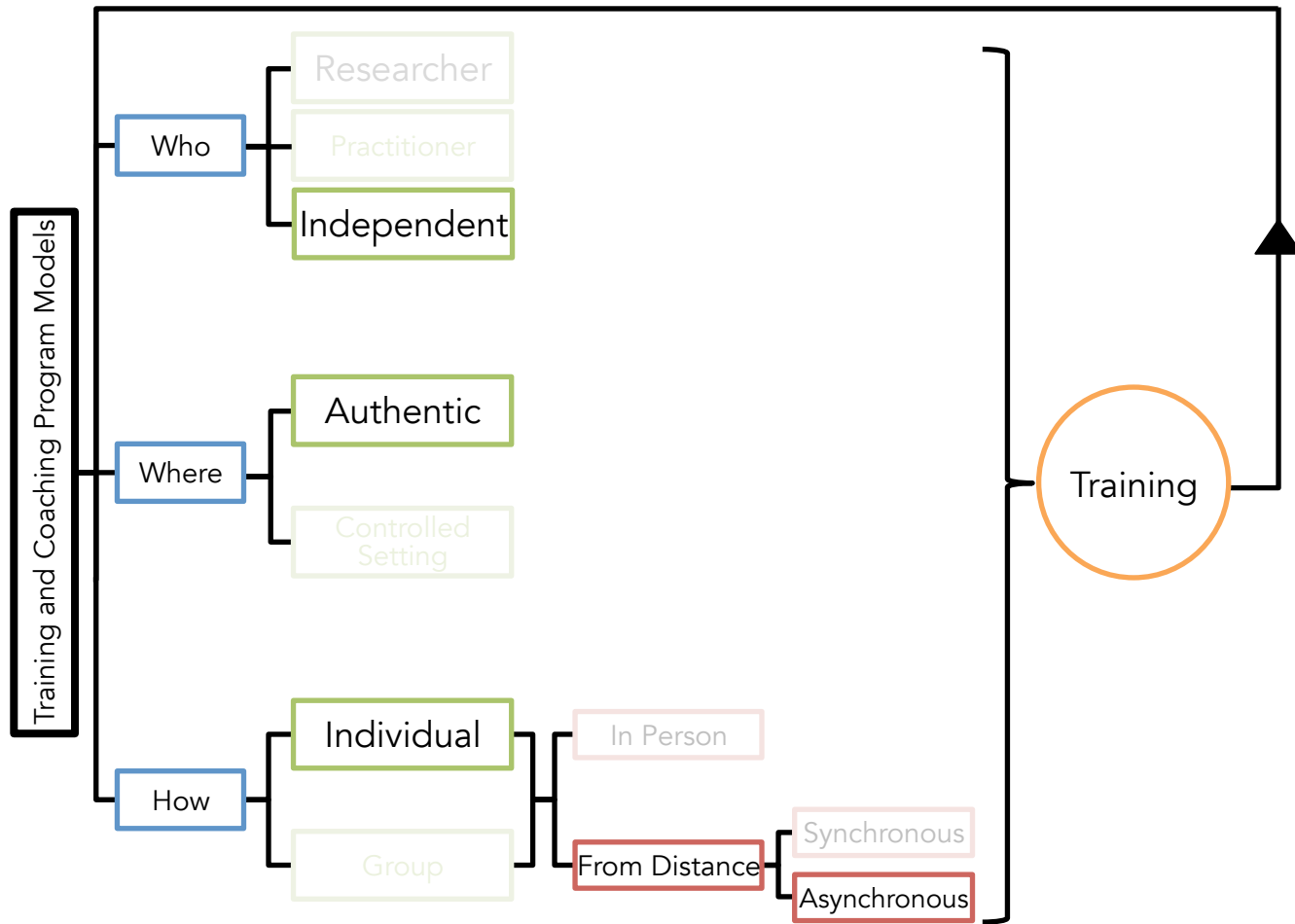
- Internet speed
  - Videoconference quality
  - Access to high speed connections
- Time required to upload videos
- Experience with technology



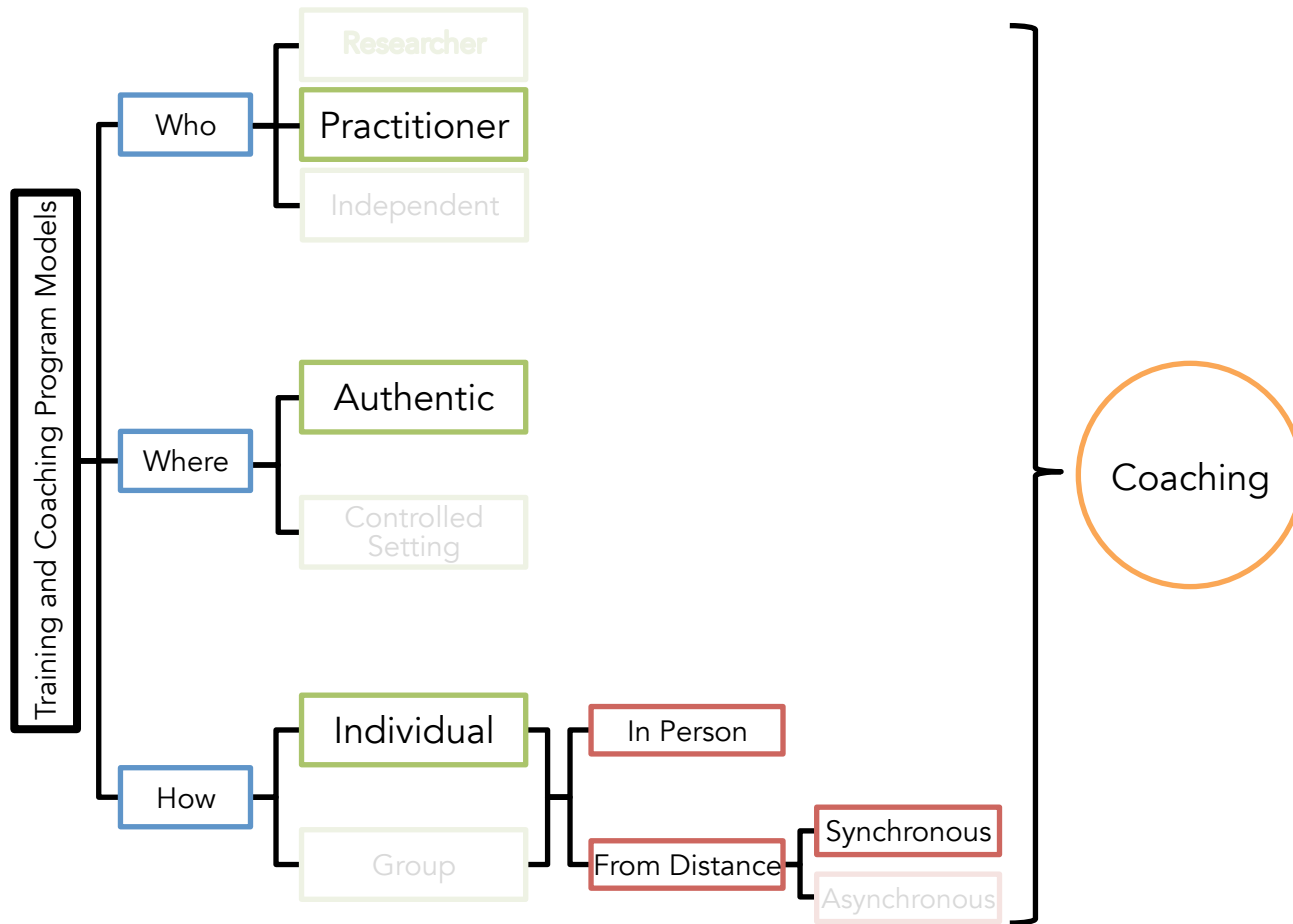
# 3<sup>rd</sup> Iteration: i-PiCS 2.0



# Iteration 2.0: i-PiCS 2.0



# Iteration 2.0: i-PiCS 2.0



# i-PiCS 2.0 Barriers- Next Steps

- Personal
  - Self-paced training
  - Experience with technology
    - Time spent training and troubleshooting (coach + parent)
- Technological
  - Interactions among online platforms
    - Uploading videos in Box for Compass assignments
  - Time required to upload videos
  - Affordability/availability of Internet
- Policy
  - Service provider needs
    - HIPAA compliant videoconferencing
      - [Health Insurance Portability and Accountability Act of 1996-protect the confidentiality and security of information]
    - Billing for telepractice



# Thank You!

- Questions?
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