

Robot-Mediated
Learning: Exploring
School-Deployed
Collaborative
Robots for
Homebound
Children

DRL: #2024933

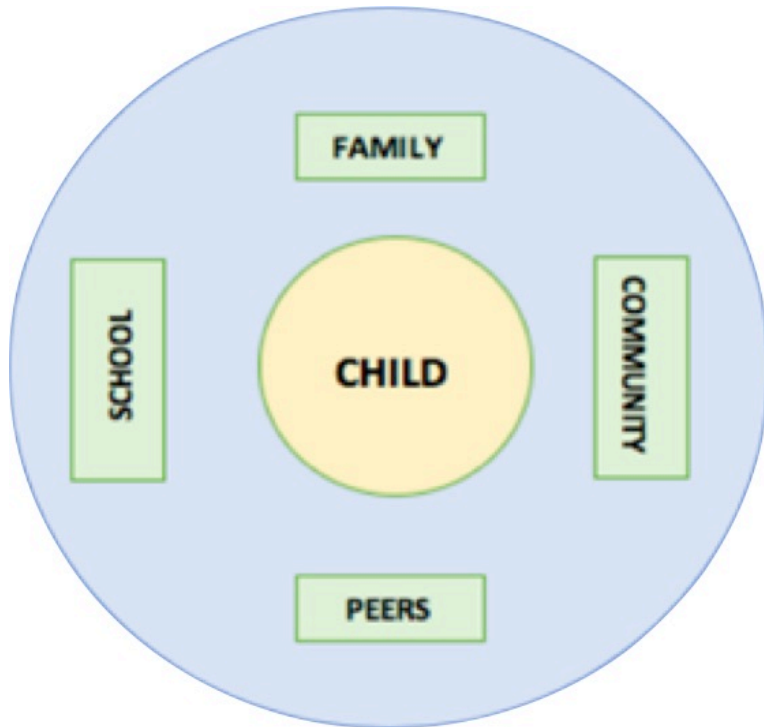
**Drs. Veronica Ahumada-Newhart¹, Laurel Riek²,
Jacquelynne Eccles¹**

¹ University of California, Irvine

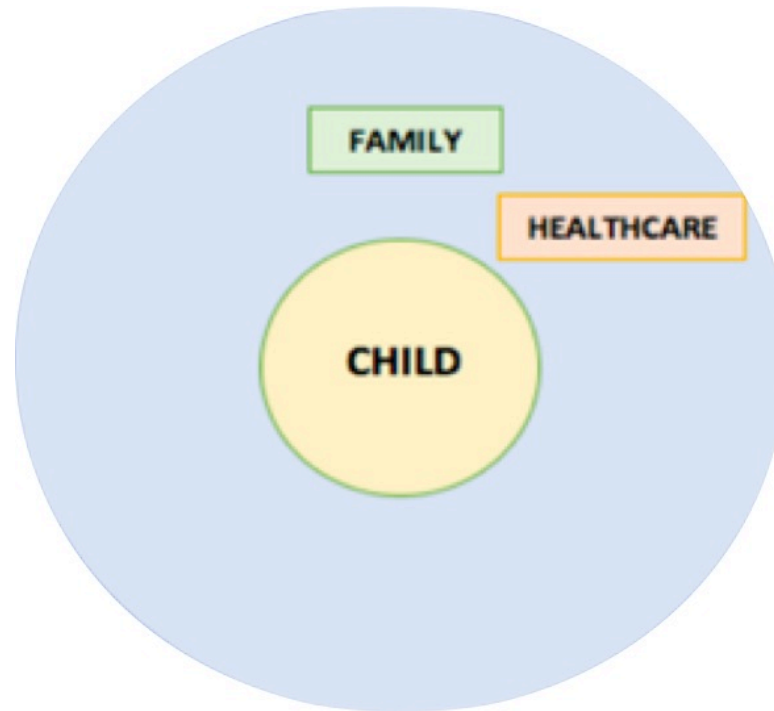
² University of California, San Diego



The Robot-Mediated Experience for Remote Learners



Microsystem for traditional learners



Microsystem for remote learners



The Robot-mediated microsystem



Remote child accessing her robot in school.

Current
Telerobots are
not designed
for children



Other Challenges



Height



Accessibility



Lack of arms

Work to date



The Power of Play



Photo: Hello, Robot

Ahumada-Newhart, V., and Riek, L.D. (2021). Telerobots for Informal Learning in Schools. *In review.*

Broader Impacts

Insights into robot-mediated interaction will extend to other domains, such as telemedicine, telehealth, and others who experience barriers to remaining socially connected to their real-world communities

