

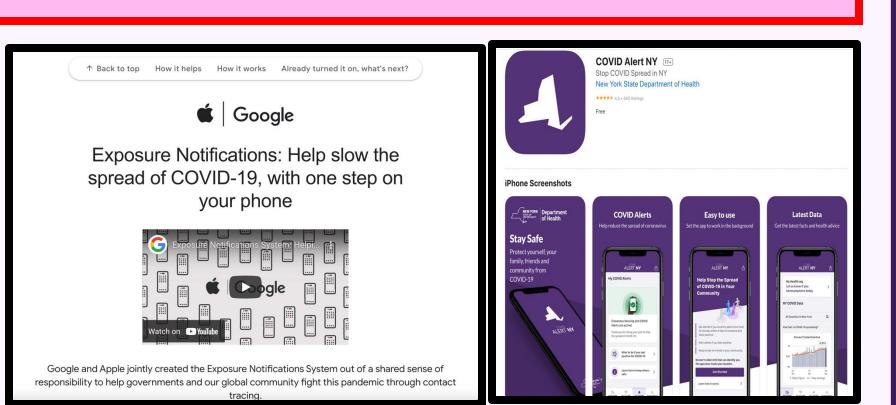
RELATIONSHIPS AS RESOURCES: THE IMPACT OF SOCIAL CAPITAL ON PERCEPTION AND USE OF COVID-19 APPS

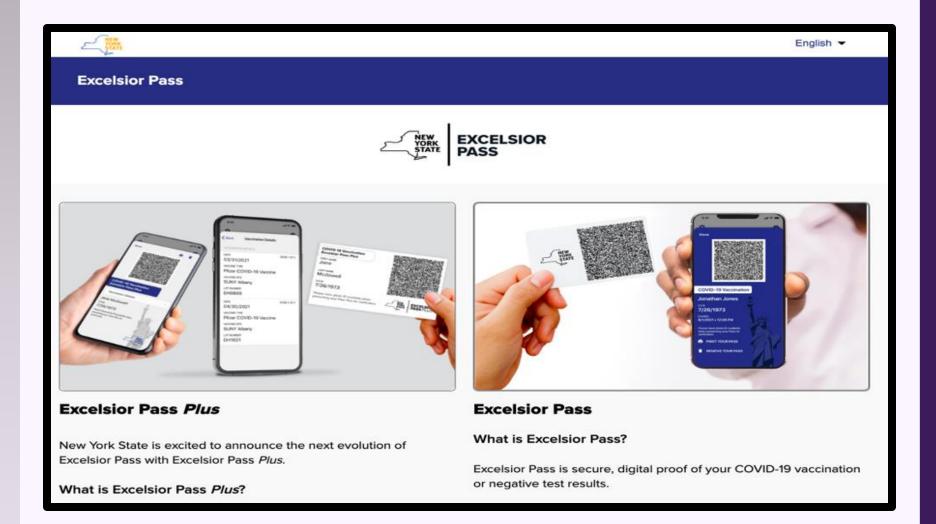


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Introduction

- COVID-19 pandemic necessitated innovative public health interventions
- Digital contact tracing and vaccination apps emerged as key technological solutions
- Apps designed to identify potential exposures and facilitate vaccine distribution
- Public adoption and sustained use proved challenging despite significant investment
- Limited understanding of social factors influencing app adoption





- Limited examination of social capital's role in technology adoption
- Insufficient understanding of how social networks influence health technology use
- Need for qualitative exploration of contextual factors

- Identify social capital dimensions critical to understanding contact tracing and vaccination app experiences.
- Investigate how social capital dimensions influence participants' app adoption attitudes, intentions, and behaviors.
- Examine social capital related barriers and facilitators to app adoption and use

Theoretical Framework

Social Capital Theory (Bourdieu, 1986; Coleman, 1988; Putnam, 2000)

> Resources embedded within social networks and relationships

Dimensions of Social Capital

Bonding: Strong ties with similar individuals (family, close friends) Provides emotional support and shared norms



Bridging: Weak ties across diverse groups (community networks) Facilitates information flow and resource access



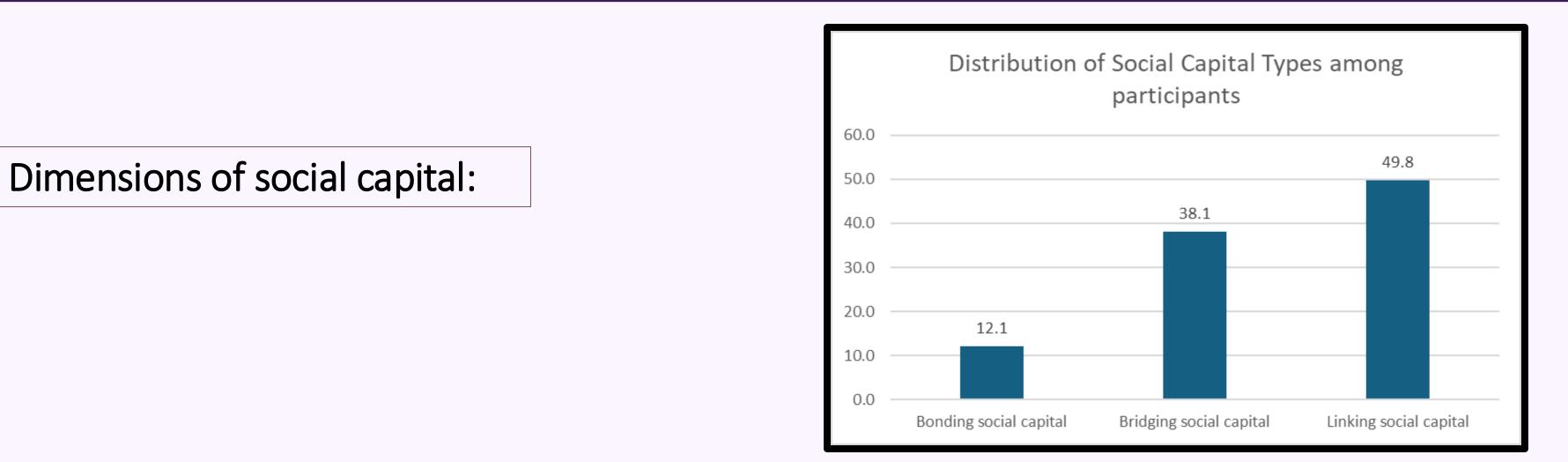
Linking: Connections to formal institutions and authority structures Enables access to power and formal resources

- Secondary qualitative analysis of focus group data
- Original Study: Mixed-methods investigation of COVID-19 app adoption in New York State (2021)
- Participants: 63 New York residents aged 18 and older
- > 16 focus groups with 6-8 participants each
- > Convenience sampling with stratification by age, race/ethnicity, & socioeconomic status

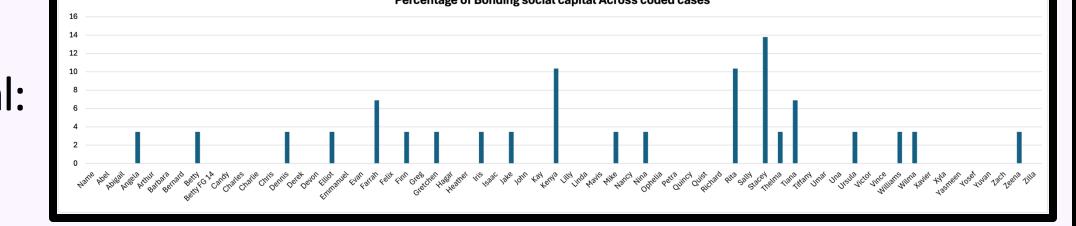
Abbott, S., & Freeth, D. (2008). Social capital and health: Starting to make sense of the role of generalized trust and reciprocity. Journal of Health Psychology, 13(7), 874–883. https://doi.org/10.1177/1359105308095060

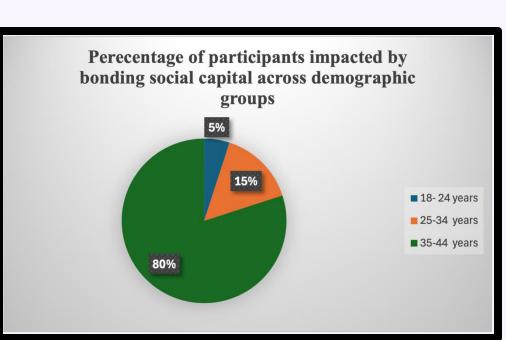
One-hour sessions conducted via Zoom

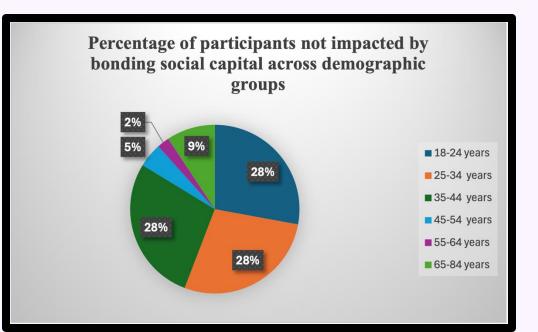
Results



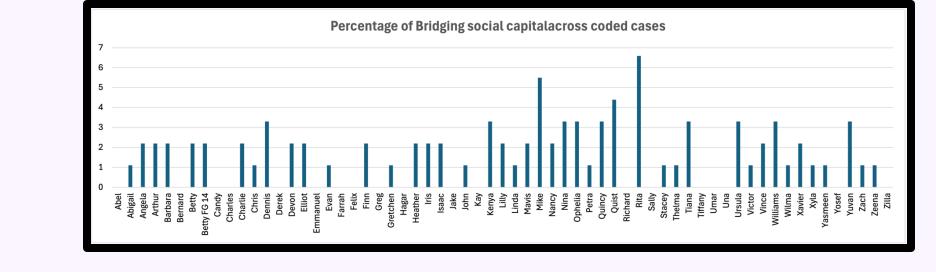


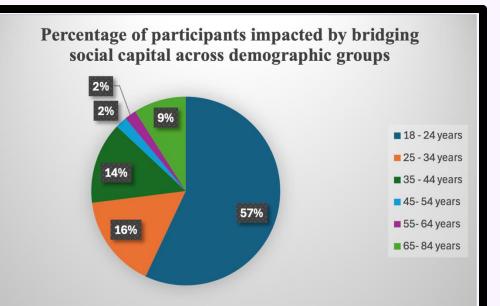


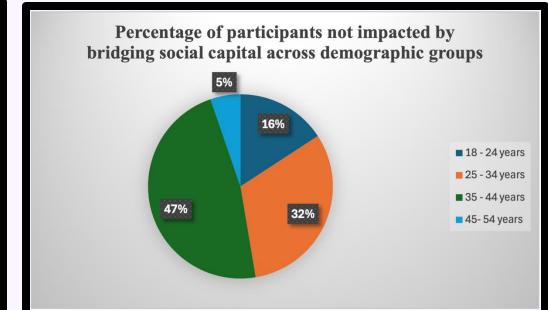




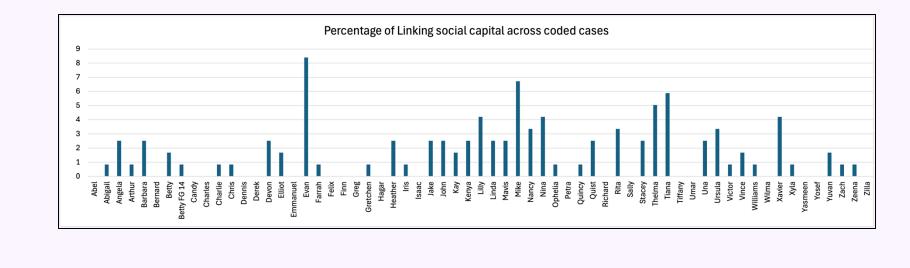
Bridging social capital:

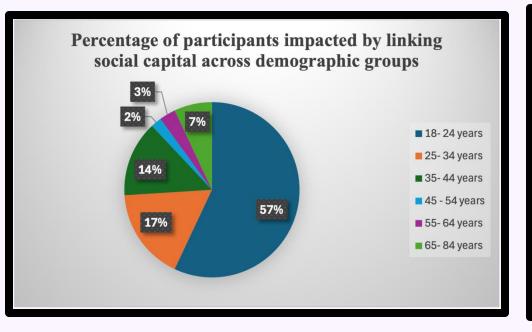


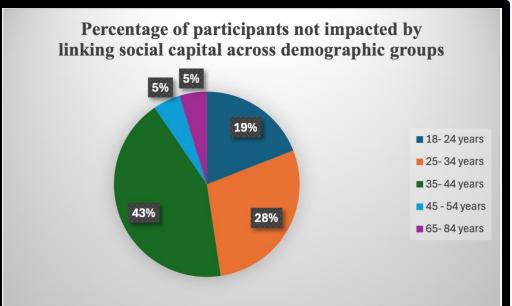




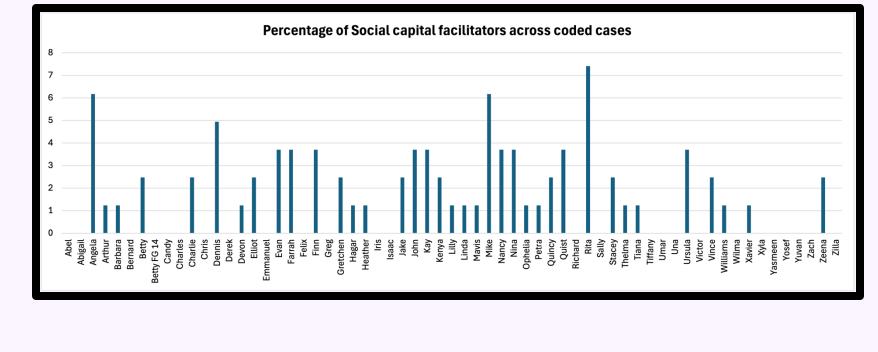
Linking social capital:

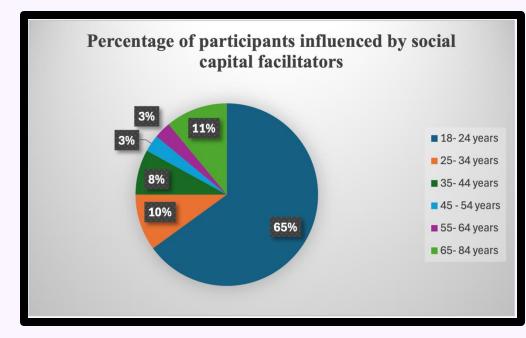


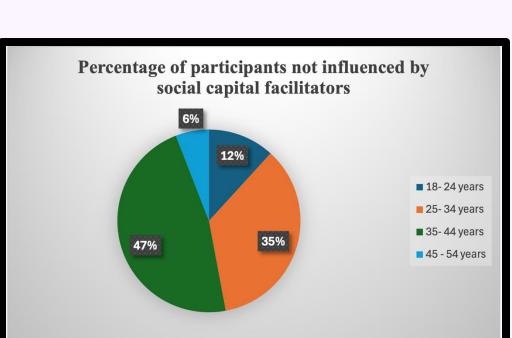




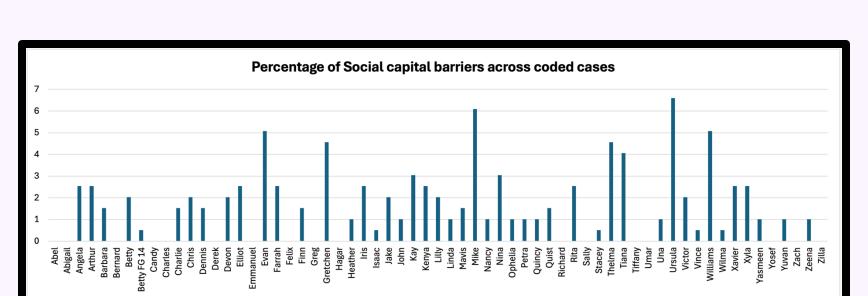
Social capital facilitators:

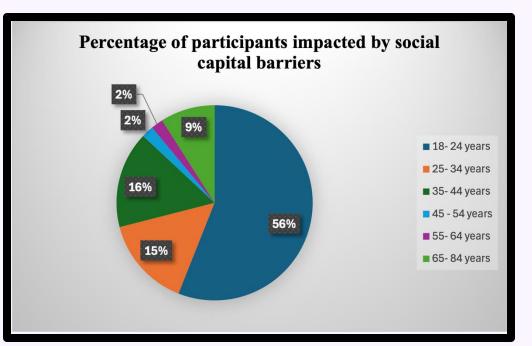


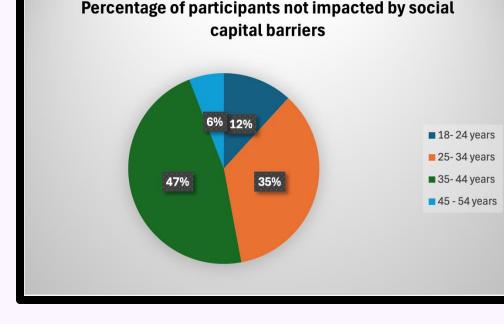




Social capital barriers:







Institutions Dominated Over Family

- > Challenges decades of health research that shows family as most important influence (e.g.: Berkman et al. (2000)
- > During COVID-19 emergency, people turned to official sources more than personal relationships
- > Contradicts expectations about who influences health technology decisions

Discussions & Conclusion

Challenges Established Theory:

- > Contradicts decades of health behavior research showing family as most important
- > Emergency contexts fundamentally change how people seek information
- > Young adults more institutionally responsive than expected

Key Theoretical Contributions:

- > Social capital patterns differ during health crises
- > Technology adoption requires different frameworks than traditional health behaviors
- More social connections can create confusion, not just support

Practical Significance:

- Institutional partnerships more effective than individual outreach
- Social factors often matter more than technical features

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