Tele-intervention in an Early Intervention Home Visitation Program: A Pilot Study Brent A. Askvig, Ph.D.; Steve Peterson, MT(ASCP); Hilory Liccini, M.Ed.; Dianne Bossert, B.S.W., M.S. ND Center for Persons with Disabilities, Minot State University, Minot ND

Purpose

The purpose of this study was to determine the of using tele-health technologies for delivering visit sessions for parents and children in a rural intervention program.

The subjects for this study were a) home visit s rural Part C early intervention program, and b) of children being served by the program. Subje recruited through personal contact.

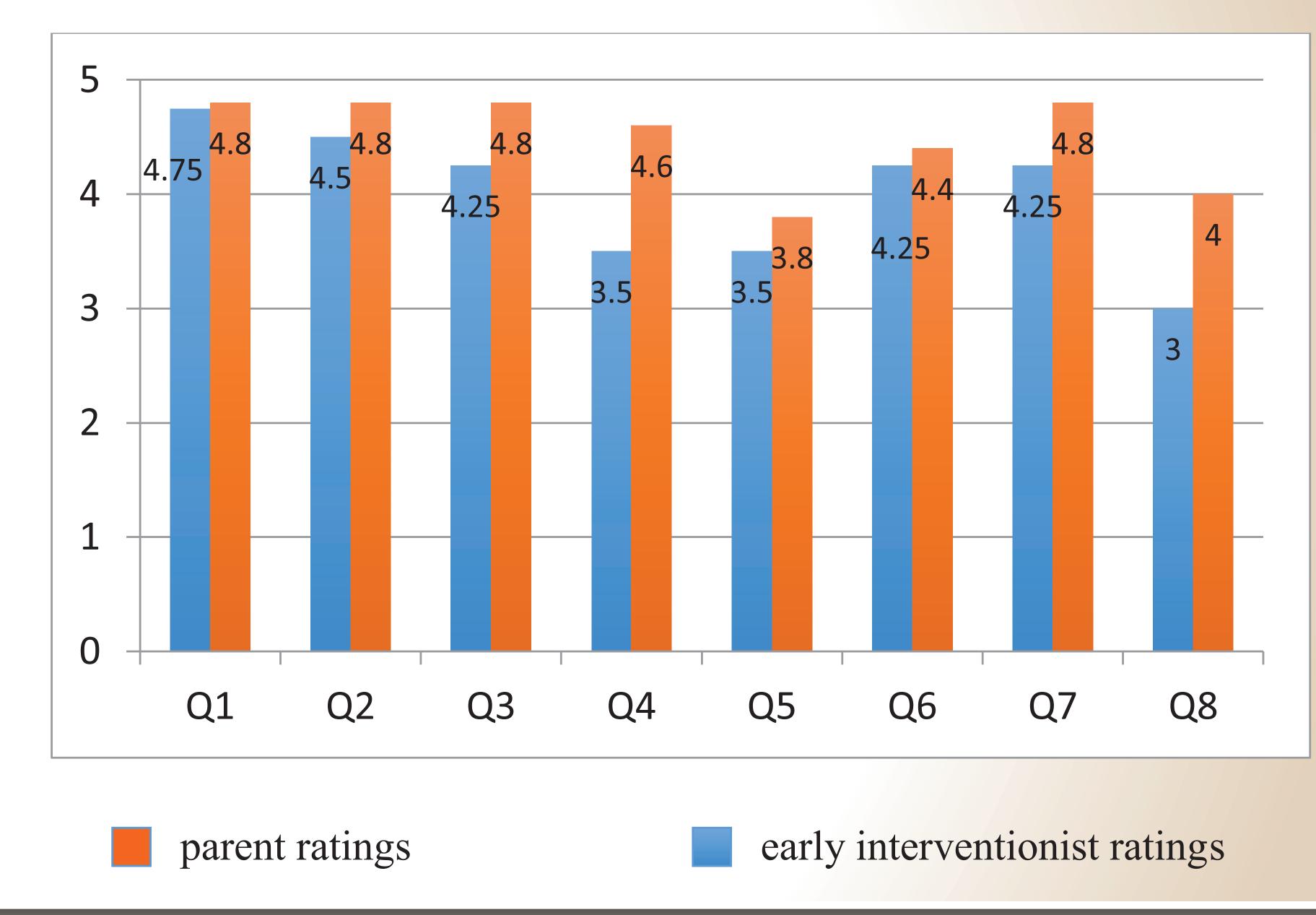
Figure 1. Average ratings per question for parent and interventionist participants.

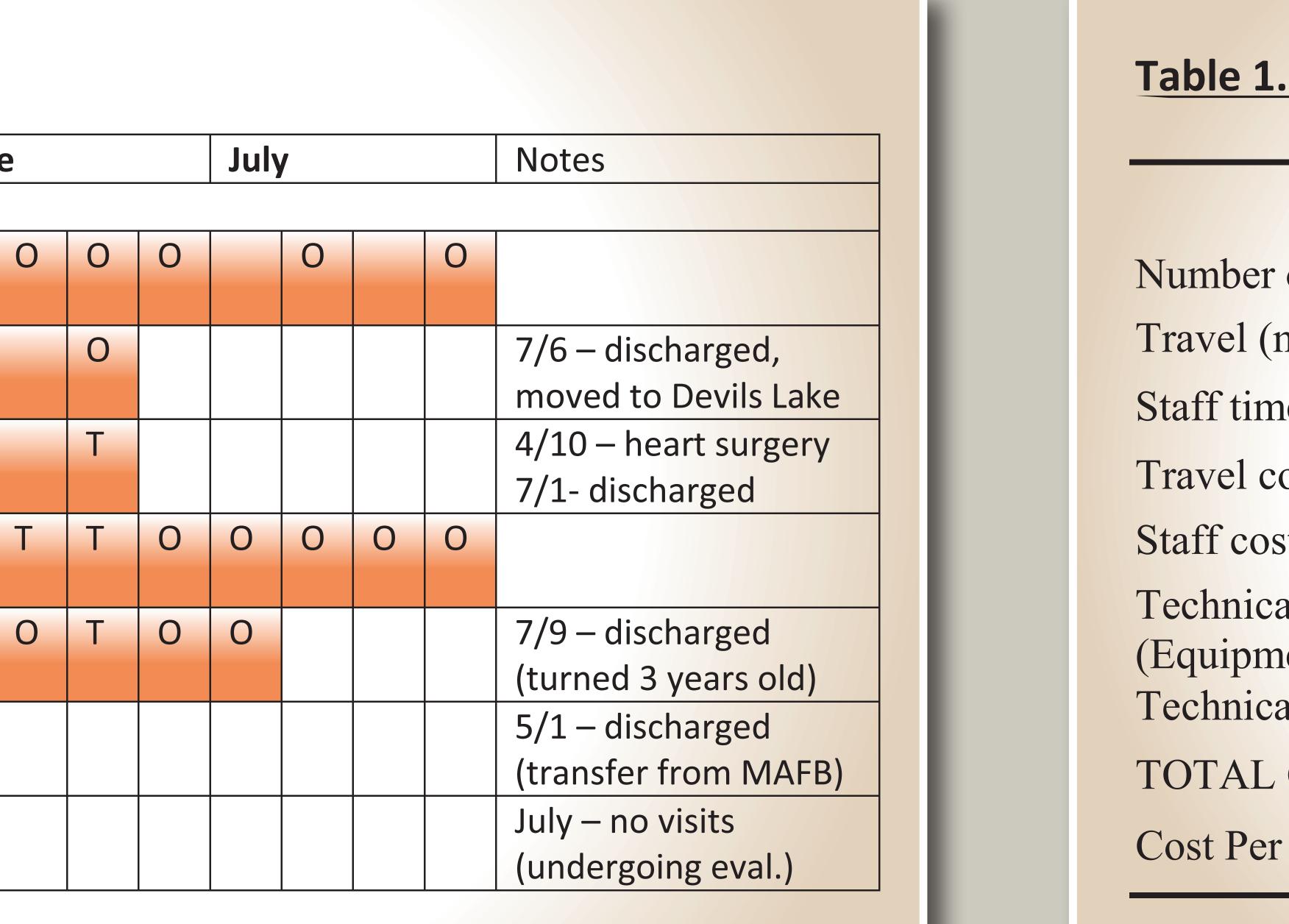
Participant satisfaction

- 1. I was able to use the technology appropriately.
- 2. I was able to easily interact with the home visitor during the session.
- 3. I was comfortable with the home visit using technology.
- 4. I learned new skills to use with my child during the home visit using technology.
- 5. I was able to keep my child engaged in the home visit using technology.
- 6. I would recommend this format to other parents
- 7. I felt the interventionist was comfortable with this format.
- 8. The home visit with technology was just as effective as a face to face home visit.



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сасу		Ap	ril			Ma	y			Jun	e
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	1B								Т		
	2A	0			Т	Т				0	
	2B	0	0	0		Т	0	0			
	3A	0	0		0	0	Т	0	0		
	3B		0		0						
	4A			Т	0		Т		0	Т	





Outcomes of Pilot Study

- Tele-intervention home visits were less costly than face to face visits.
- Tele-intervention home visits were viewed as appropriate for the early intervention coach and consult model.
- Both the parents and the interventionists were as satisfied with tele-intervention home visits as face to face home visits.
- The early interventionists viewed the tele-intervention home visits as most appropriate with parents with whom they had already established relationships, and as supplemental to regular home visits.
- The measures of child outcomes were not specific enough to determine positive gains in either the tele-intervention visits or face to face visits.
- Families and early interventionists were comfortable with the technologies they used. Families liked the "non-intrusive" nature of the tele-intervention home visits.

L. Home visit financial comparison data							
	Face to Face	Tele-intervention					
r of visits	32	16					
(miles)	2,222	0					
ne (hours)	80	16					
cost	\$1,436	\$0					
st	\$2,776	\$555					
cal Expenses nent, Connectivity costs, cal time)	\$0	\$309					
COSTS	\$ 4,212	\$ 864					
r Home Visit	\$ 131.63	\$ 54.00					