



Center for
Rural Health
University of North Dakota
School of Medicine & Health Sciences

<http://medicine.nodak.edu/crh>

North Dakota Statewide Needs and Resources Assessment for Traumatic Brain Injury (TBI)

University of North Dakota
Center for Rural Health
June 21, 2005

*Connecting resources and knowledge to strengthen
the health of people in rural communities.*



Survey Instruments

- Modified version of the federal TBI questionnaire template
- Received and implemented feedback on questionnaire design from North Dakotans with TBI, caregivers of persons with TBI, North Dakota TBI Advisory Committee members, and federal TBI program personnel



Objectives

- Identify the demographic characteristics of North Dakotans with TBI and their caregivers
- Discover the perceived behavior problems and barriers faced by North Dakotans with TBI and their caregivers
- Determine the assistance and support available to persons with TBI and their caregivers
- Determine the services provided by North Dakota agencies and service providers
- Identify training opportunities and needs of North Dakota agencies and providers



Individual Survey

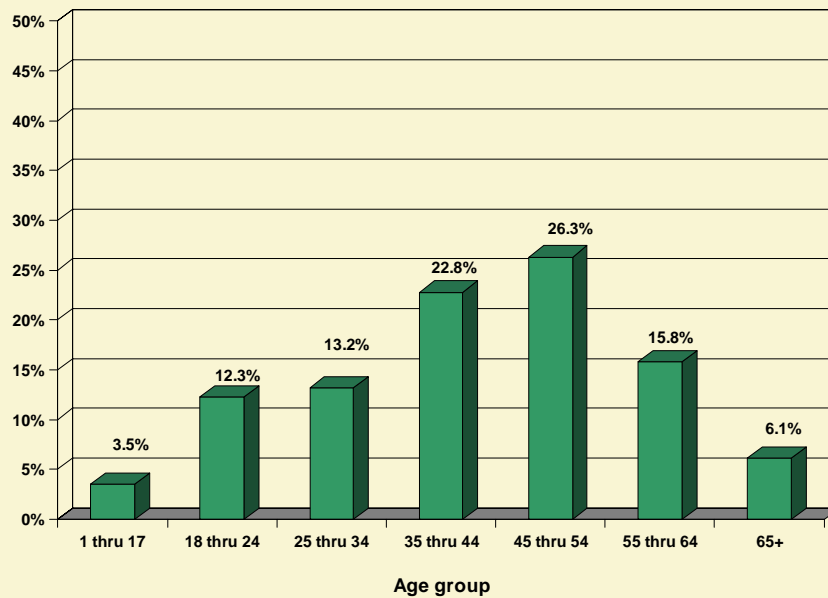


Methodology

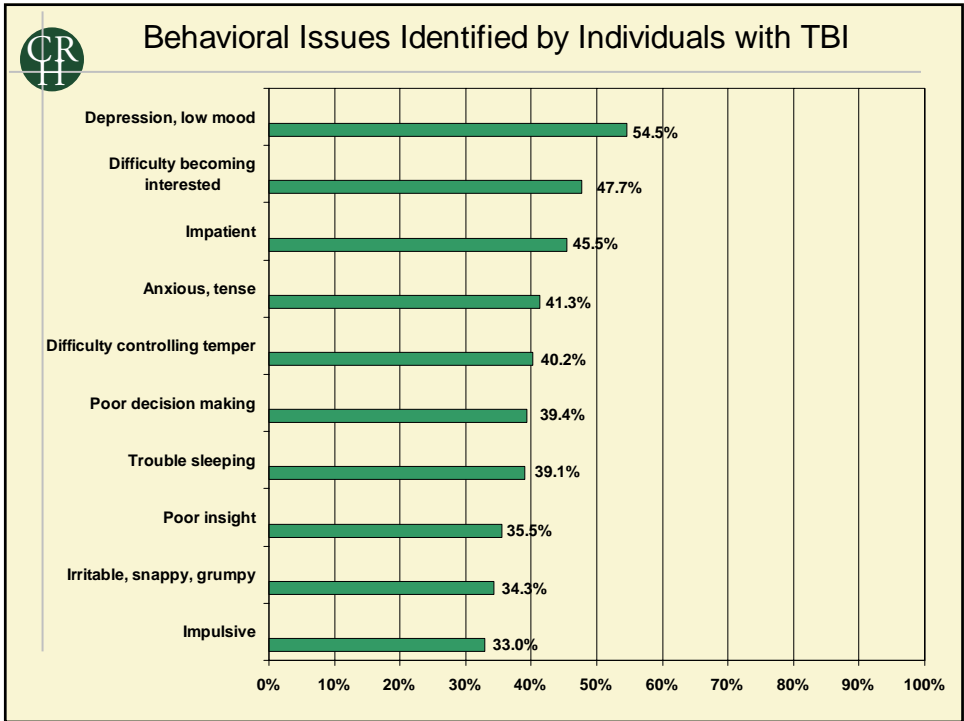
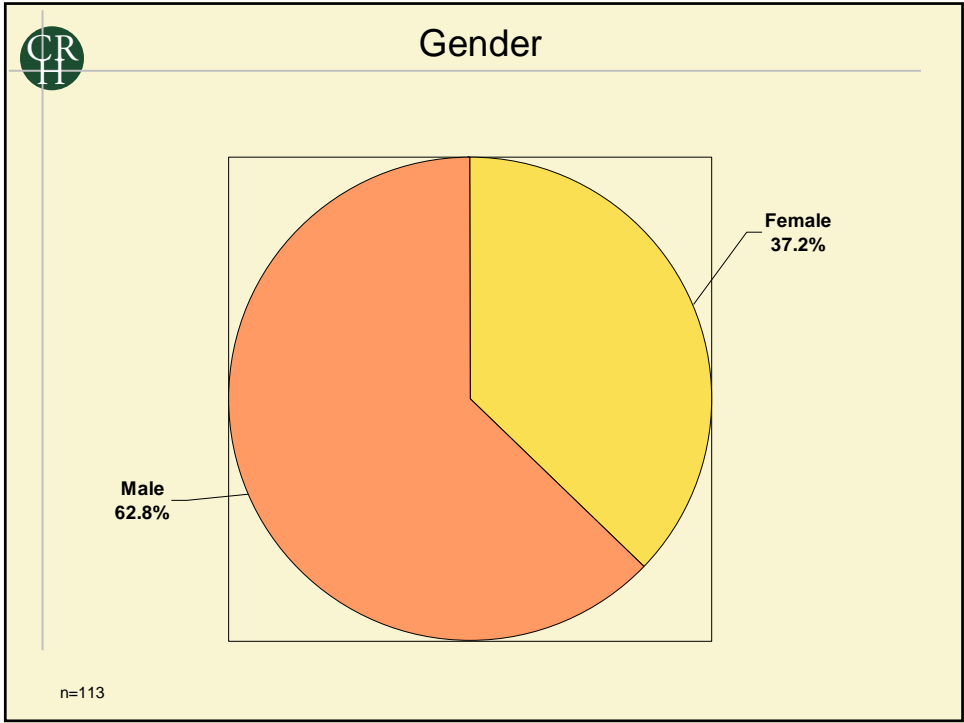
- Surveys mailed 1-13-05
- Surveys accepted thru 4-12-05
- Persons not returning a survey were mailed a second survey 2-15-05
- Convenience Sample
 - Individual (29% response rate)
 - 425 mailed
 - 21 invalid contacts
 - 117 returned



Age

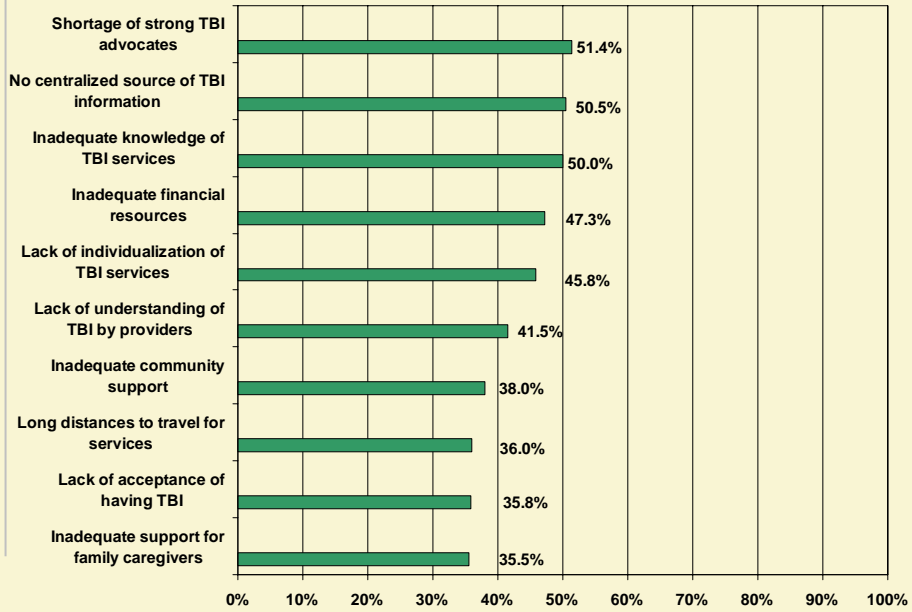


n=114





Barriers Identified by Individuals with TBI



Caregiver Survey

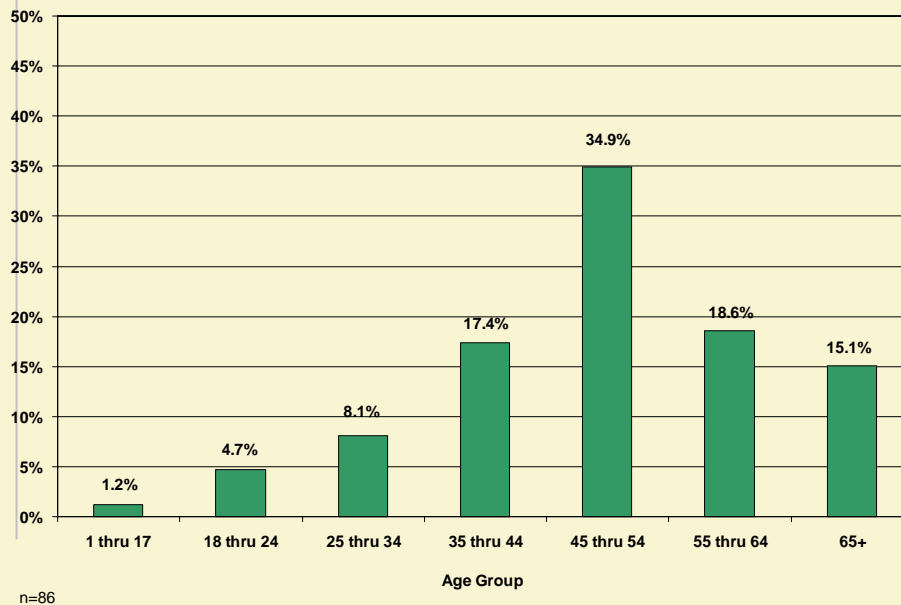


Methodology

- Surveys mailed 1-13-05
- Surveys accepted thru 4-12-05
- Persons not returning a survey were mailed a second survey 2-15-05
- Convenience Sample
 - Caregiver (23% response rate)
 - 425 mailed
 - 19 invalid contacts
 - 94 returned

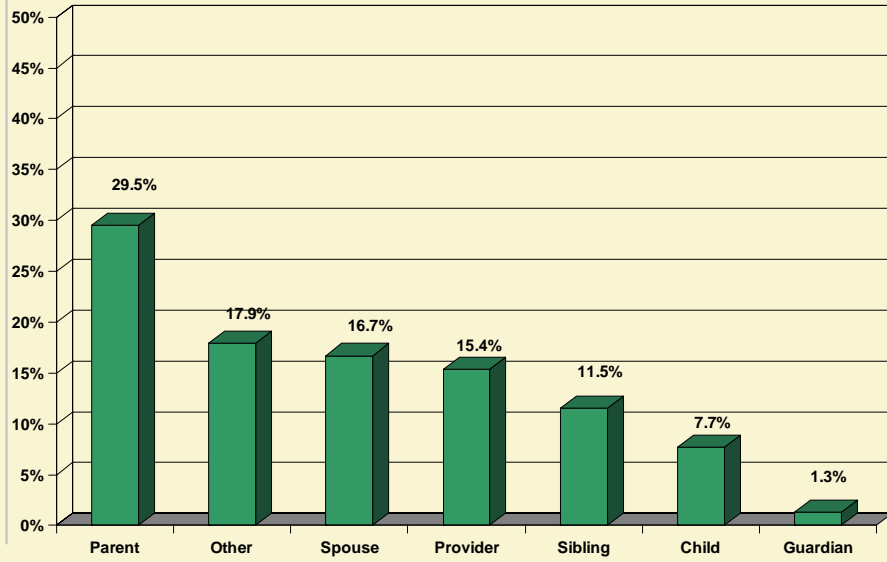


Age of Caregivers for Individuals with TBI





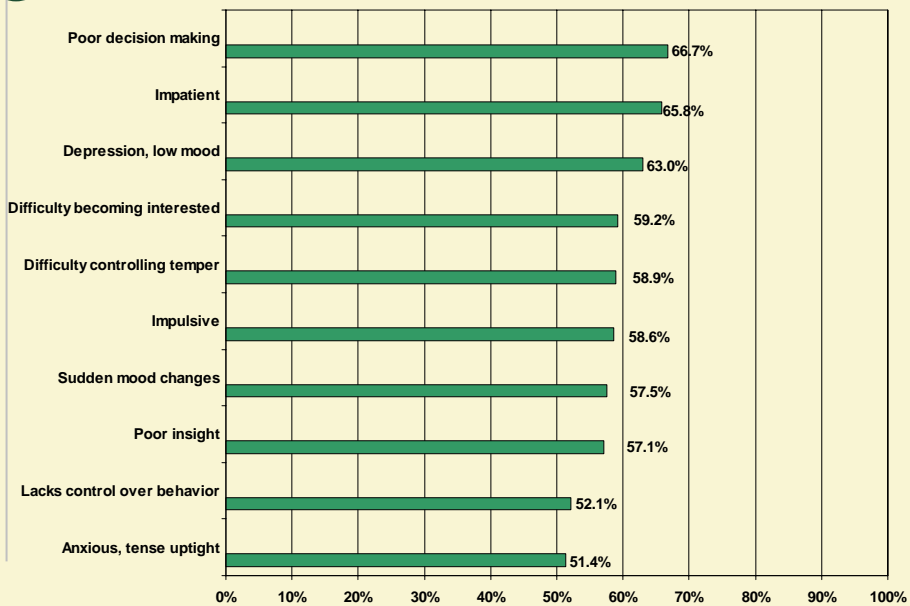
Relationship of Caregivers to Individuals with TBI



n=78

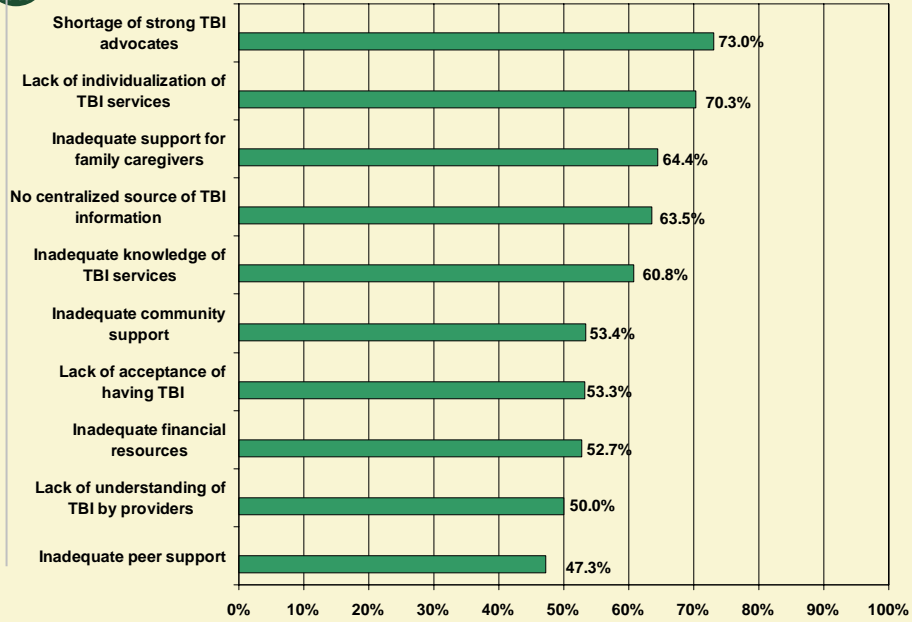


Behavioral Issues for Individuals with TBI, as Identified by Caregivers

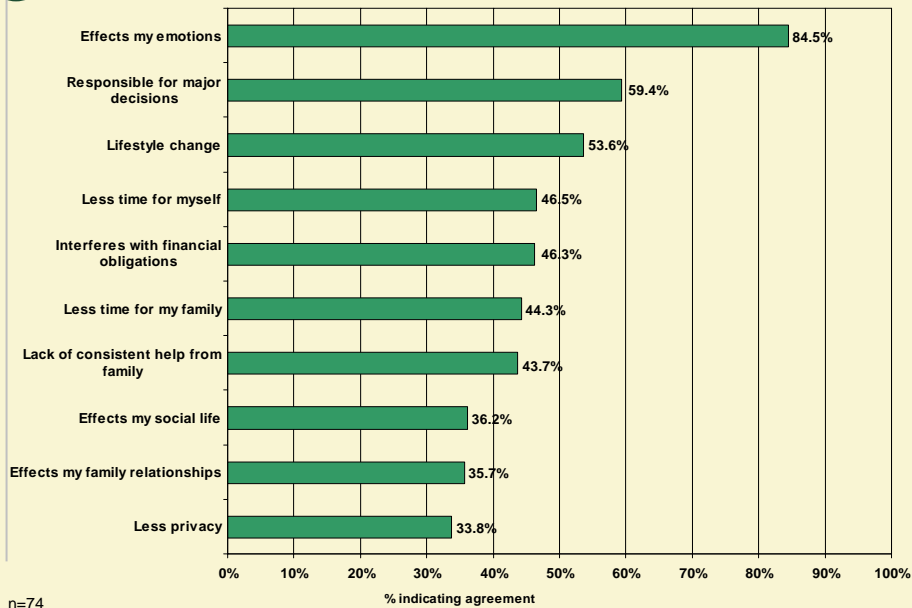




TBI Related Barriers Identified by Caregivers



TBI Caregiving Difficulties

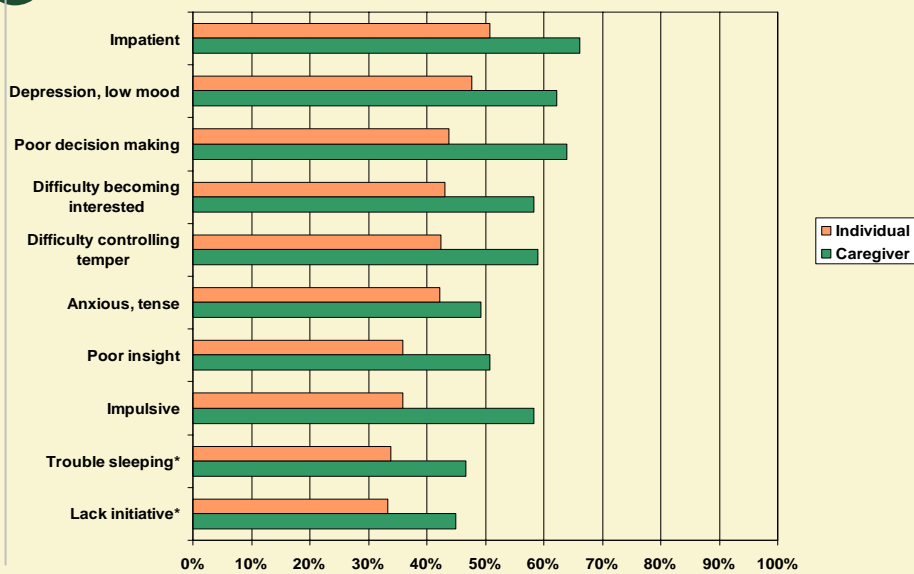




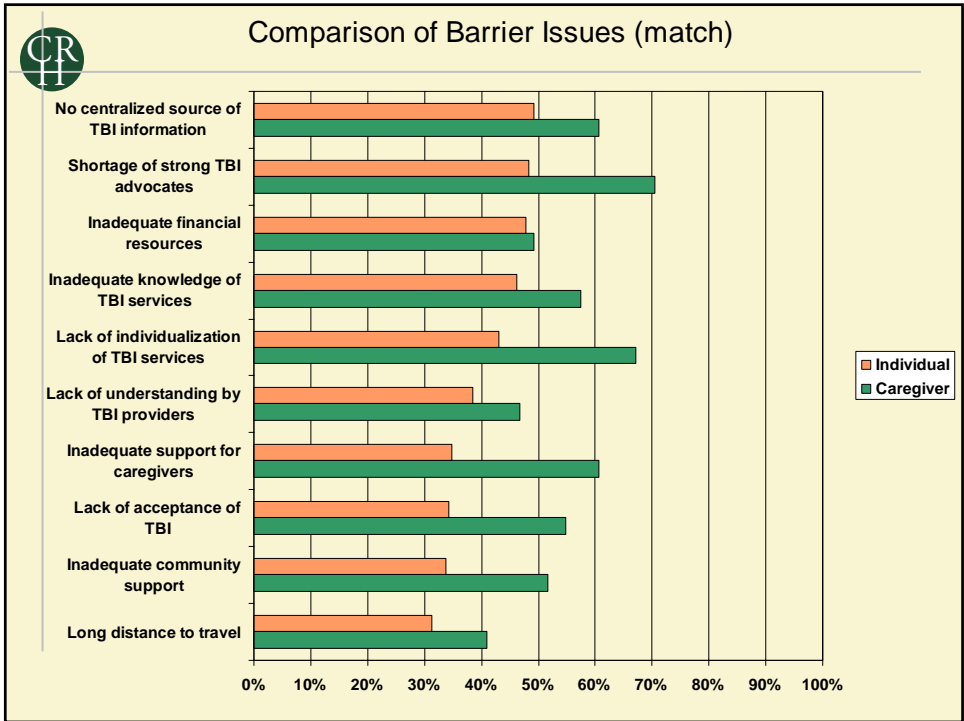
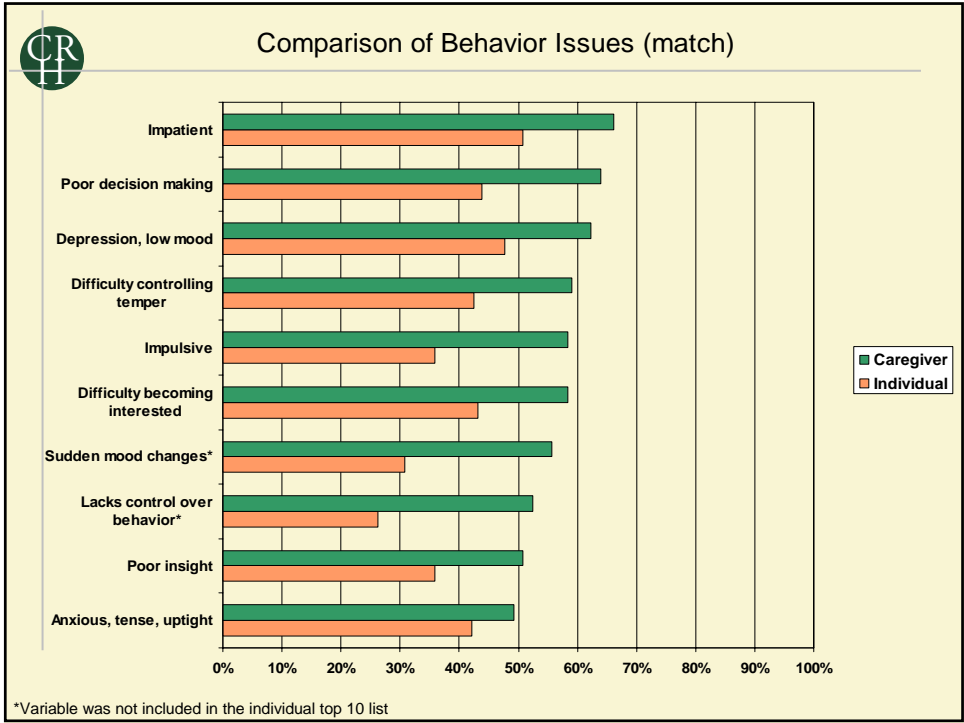
Comparative Summary of Individuals with TBI and Their Caregivers



Comparison of Behavior Issues (match)

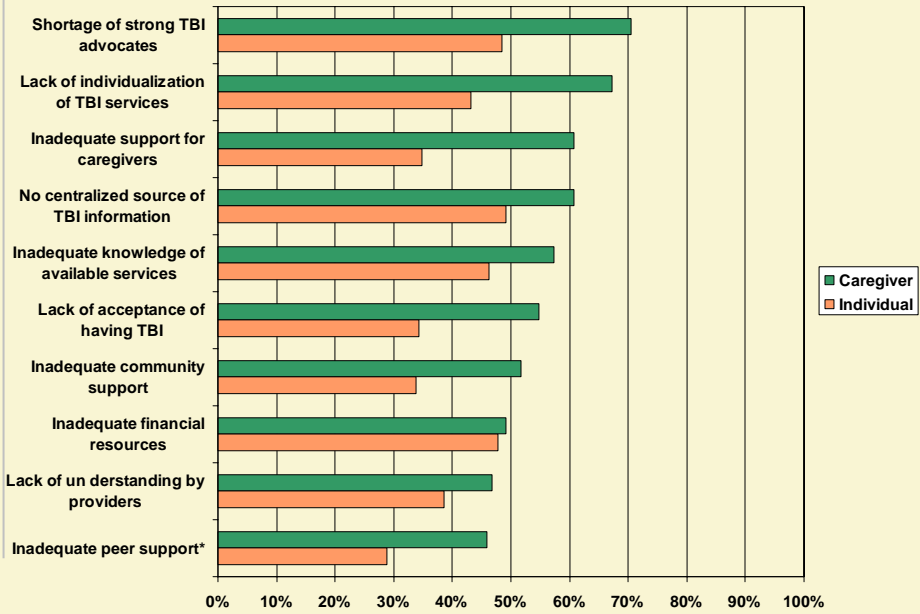


*Variable was not included in the caregiver top 10 list





Comparison of Barrier Issues (match)



*Variable was not included in the individual top 10 list



Agency Summary

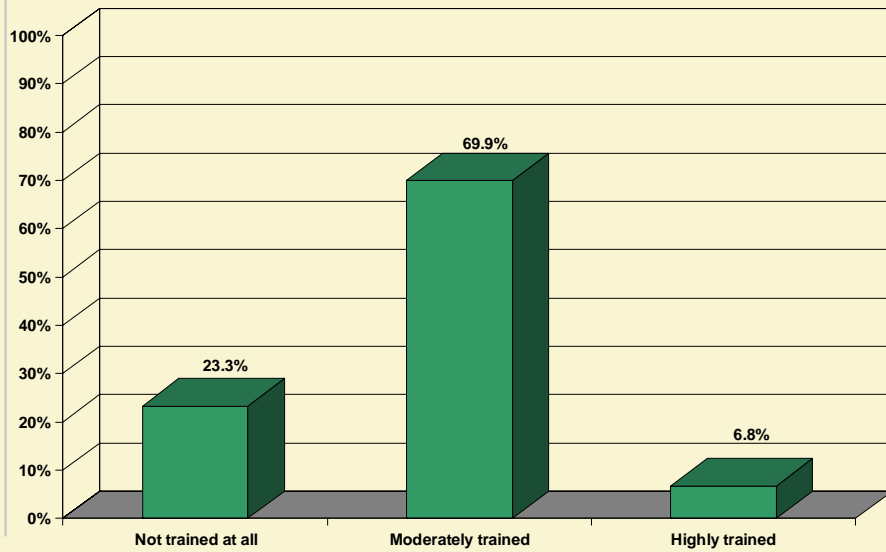


Agency Response Information

- Surveys mailed 2-4-05
- Surveys accepted thru 4-22-05
- Convenience Sample
 - Agency (32% response rate)
 - 365 mailed
 - 117 returned



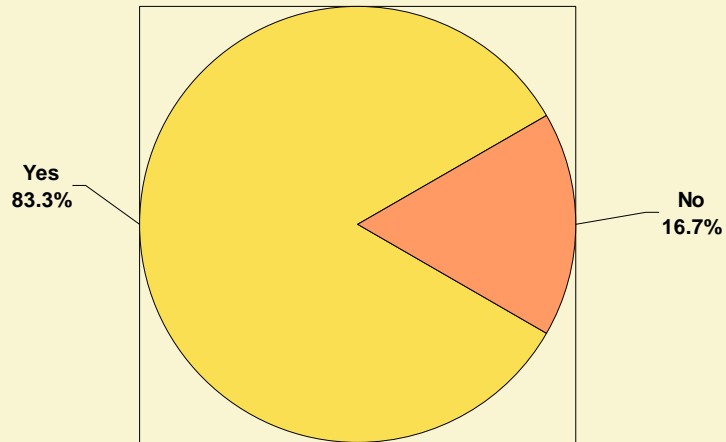
To What Extent Do You Feel Your Staff is Trained to Serve Individuals with TBI?



n=73



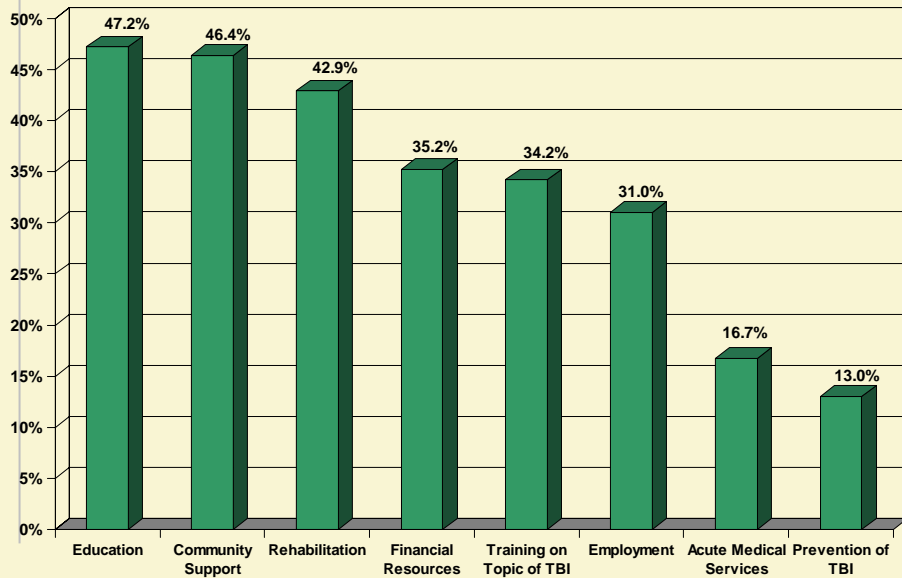
Do You Feel that Your Staff Needs Additional Training Specific to TBI?

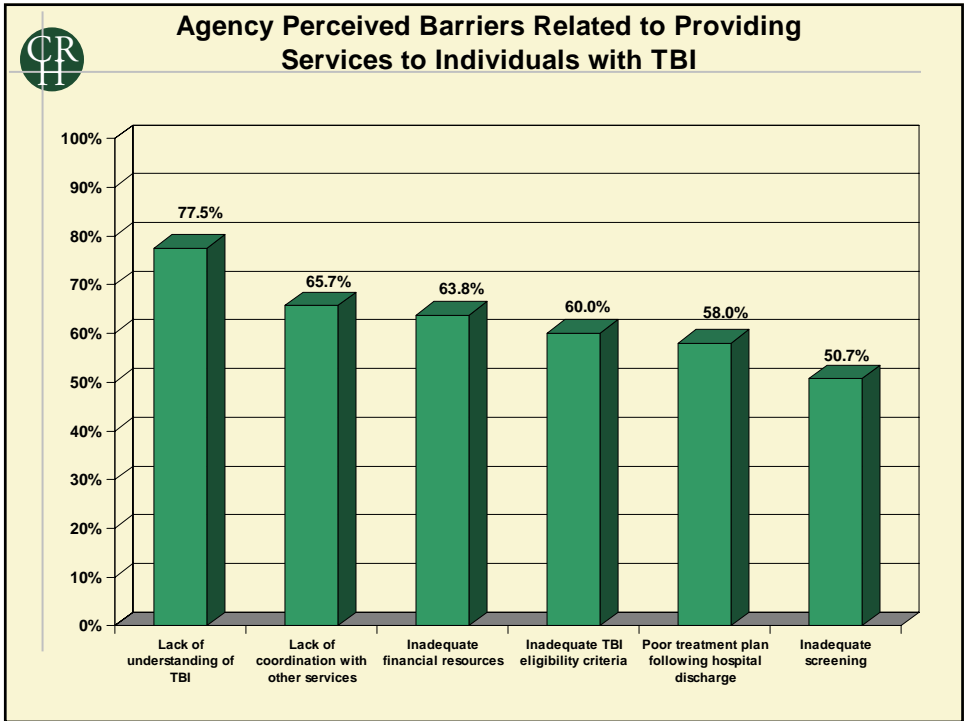
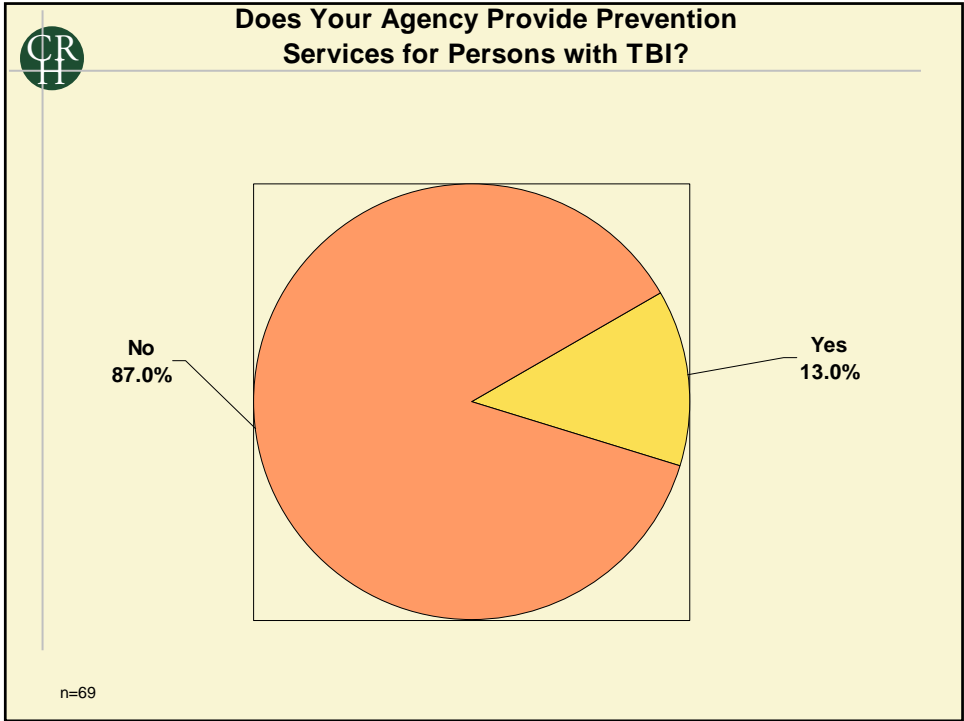


n=72



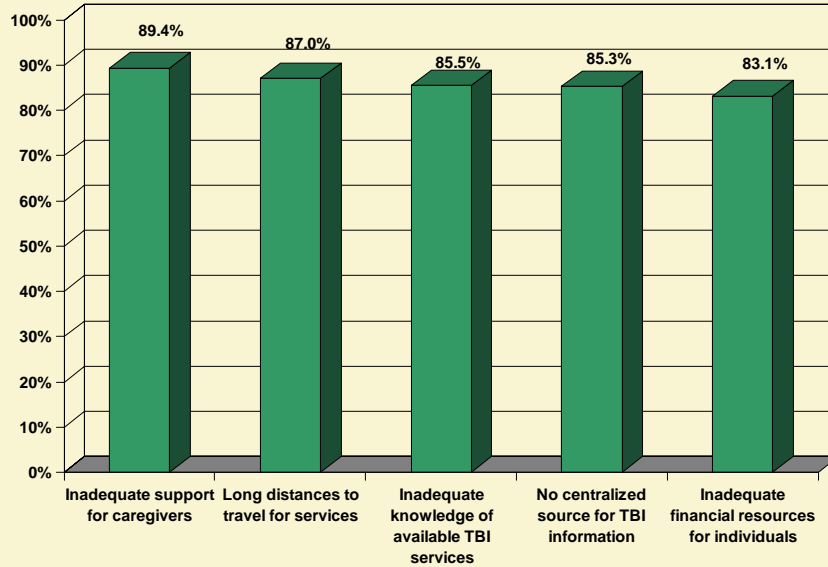
Does Your Agency Provide Services Related to...



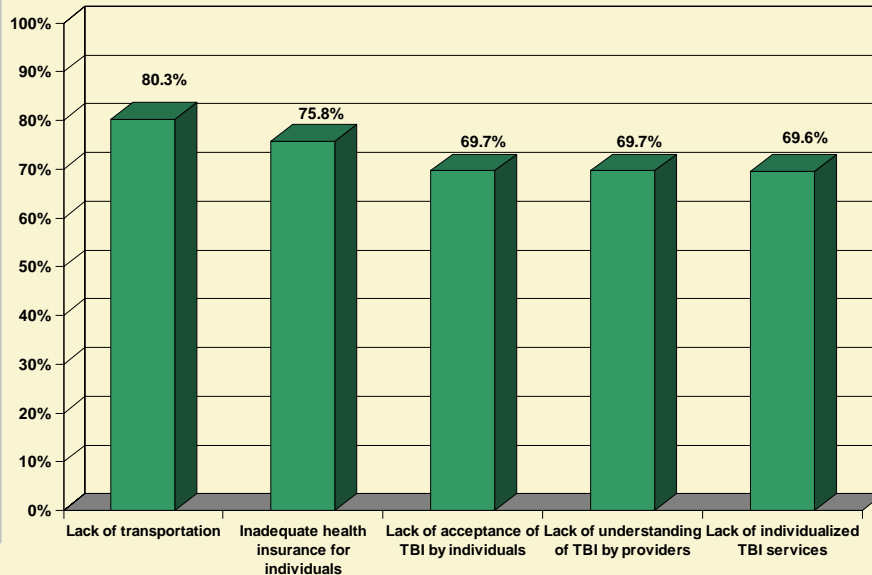




Agency Perceived Barriers to Accessing/Using Services for Individuals and Their Families (1 thru 5)

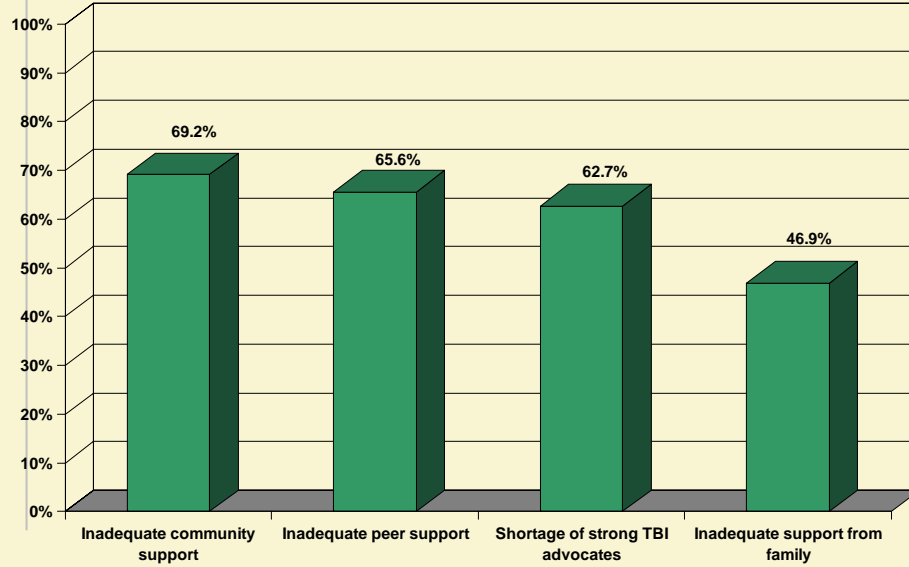


Agency Perceived Barriers to Accessing/Using Services for Individuals and Their Families (6 thru 10)





Agency Perceived Barriers to Accessing/Using Services for Individuals and Their Families (11 thru 14)



Service Provider Summary

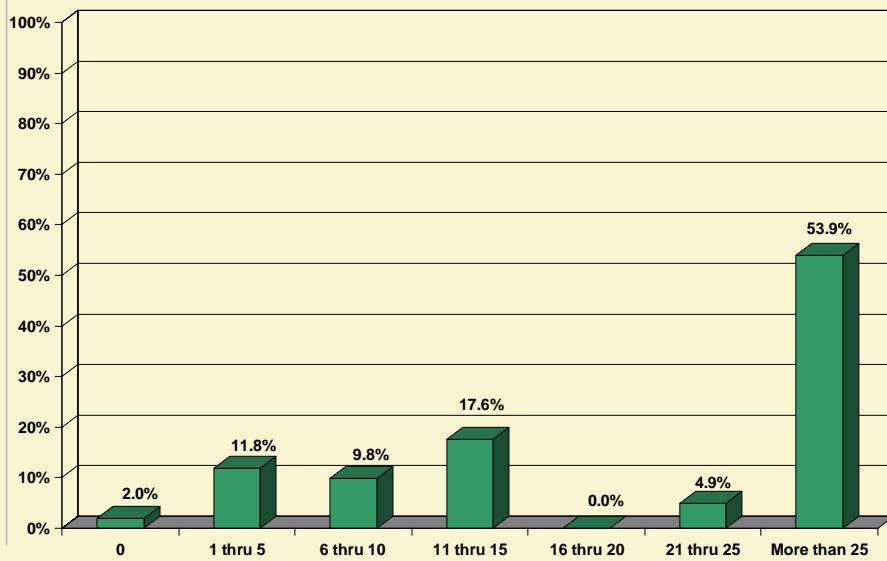


Service Provider Response Information

- Surveys mailed 2-4-05
- Surveys accepted thru 4-22-05
- Convenience Sample
 - Service Provider (20% response rate)
 - 859 mailed
 - 173 returned



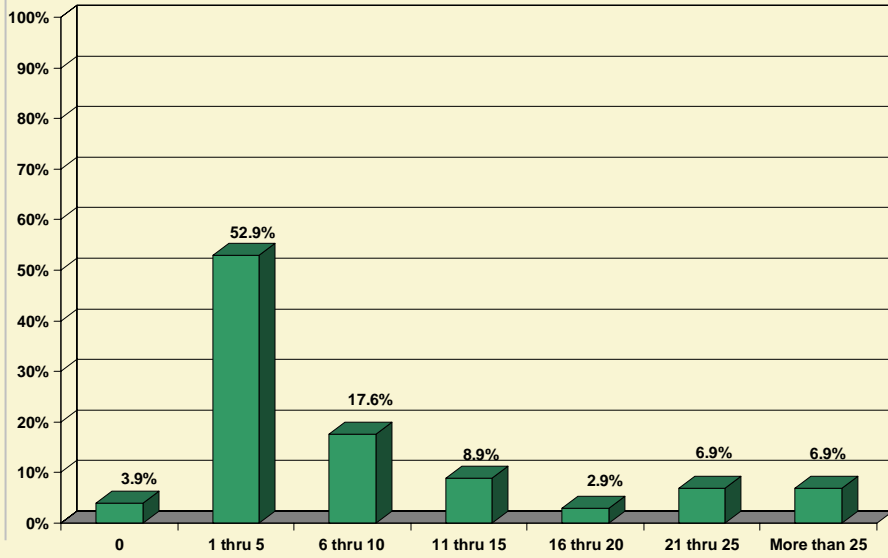
Number of Individuals You Serve



n=102



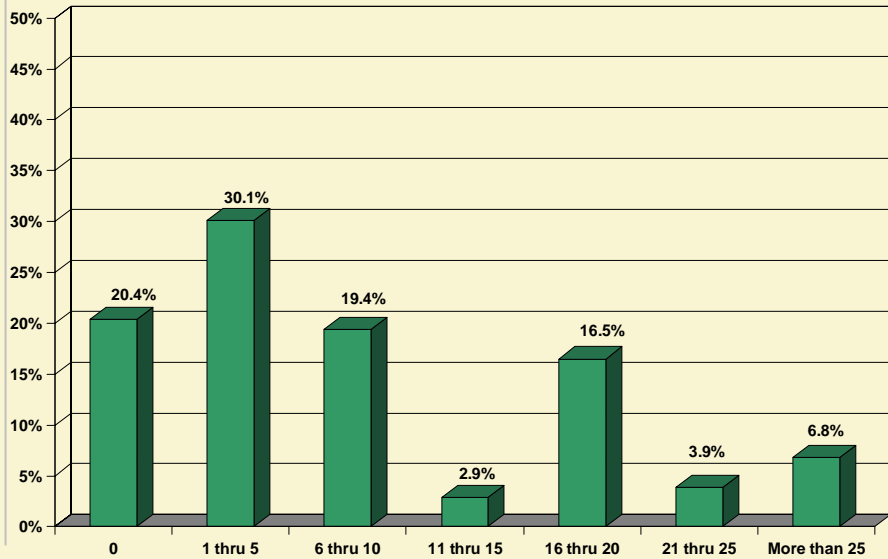
Number of Individuals with TBI You Serve



n=102



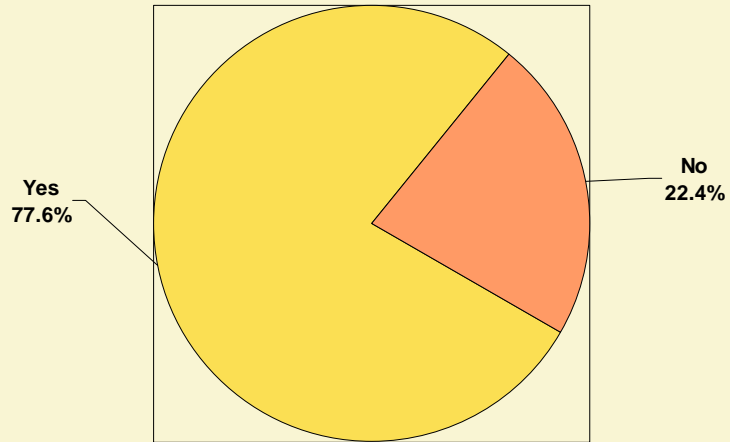
Number of Hours Spent Training for TBI (annual)



n=103



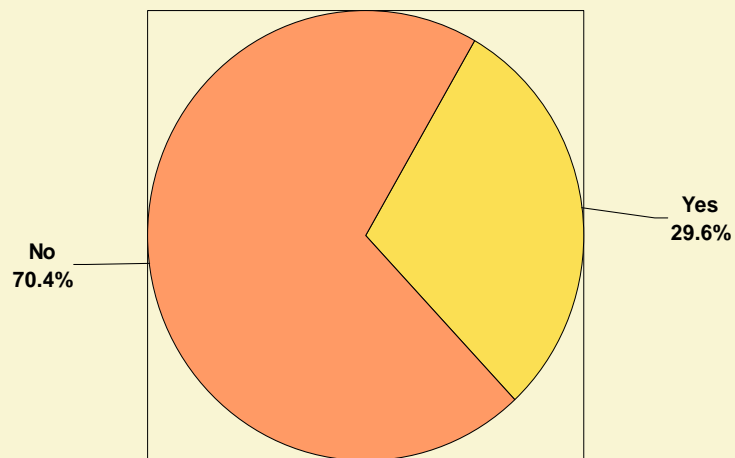
Do You Have a Need for Additional Training Specific to TBI?



n=108



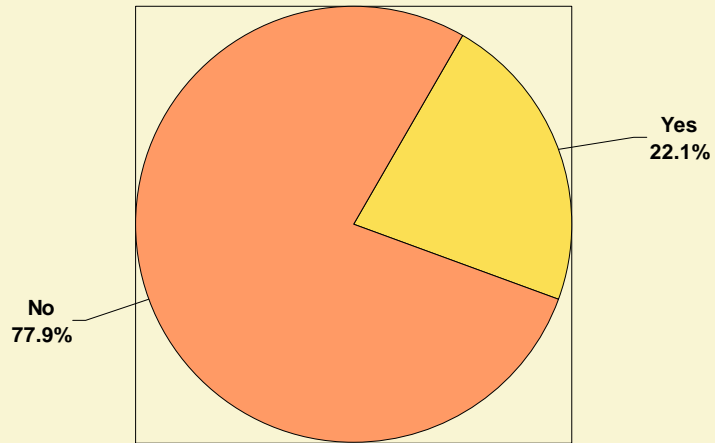
Do You Provide Direct Services for Individuals with TBI?



n=108



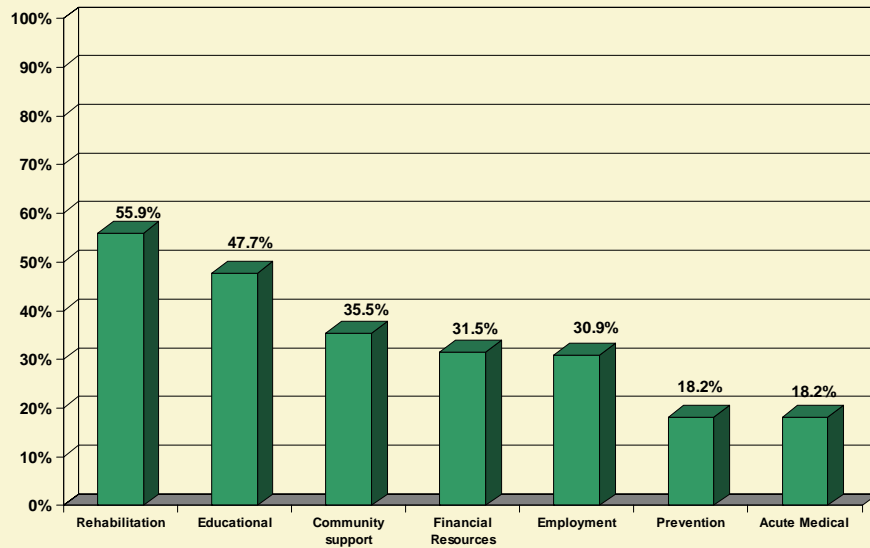
Do You Offer Training Programs on the Topic of TBI?

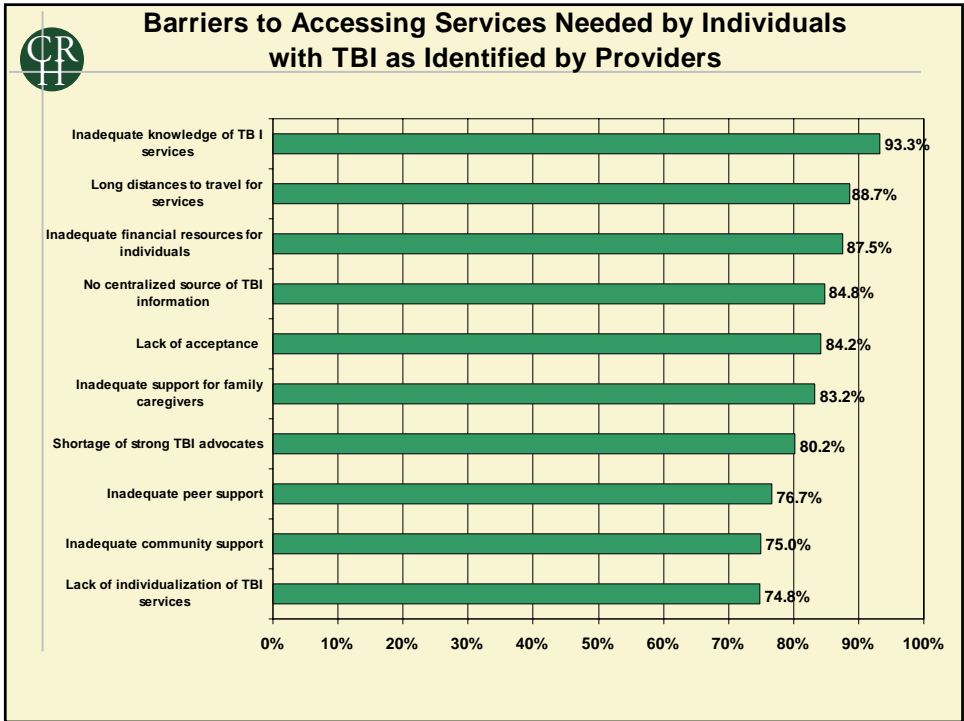
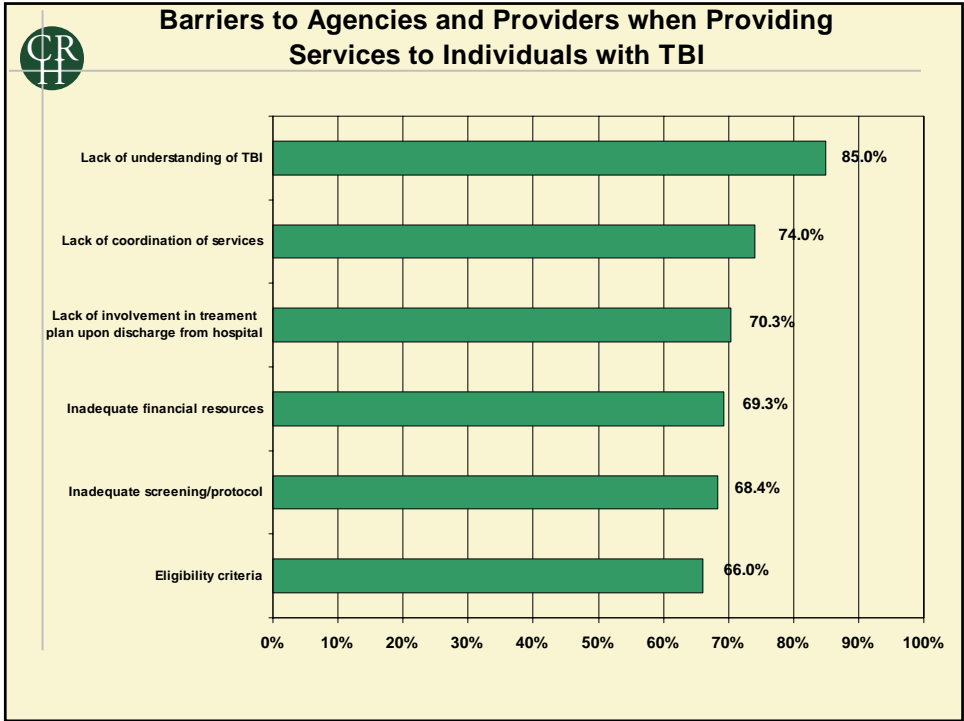


n=104



Do You Provide the Following Services to Individuals with TBI?



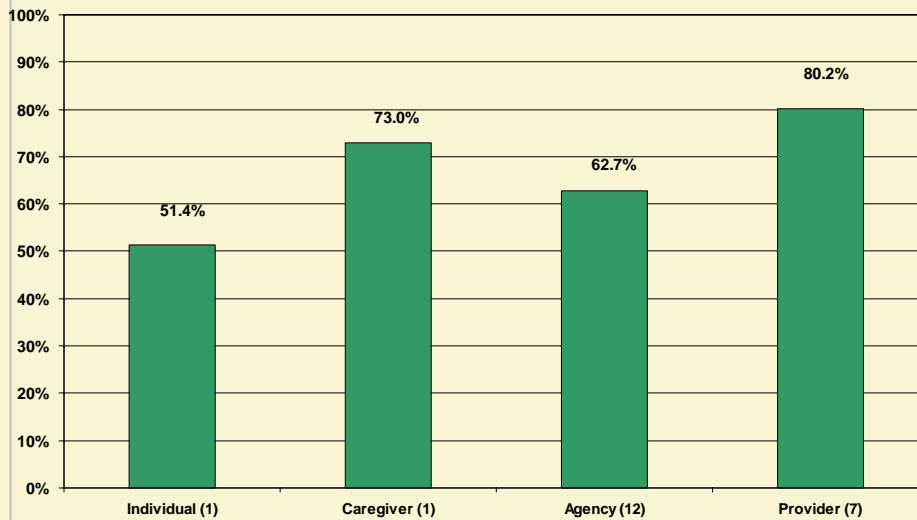




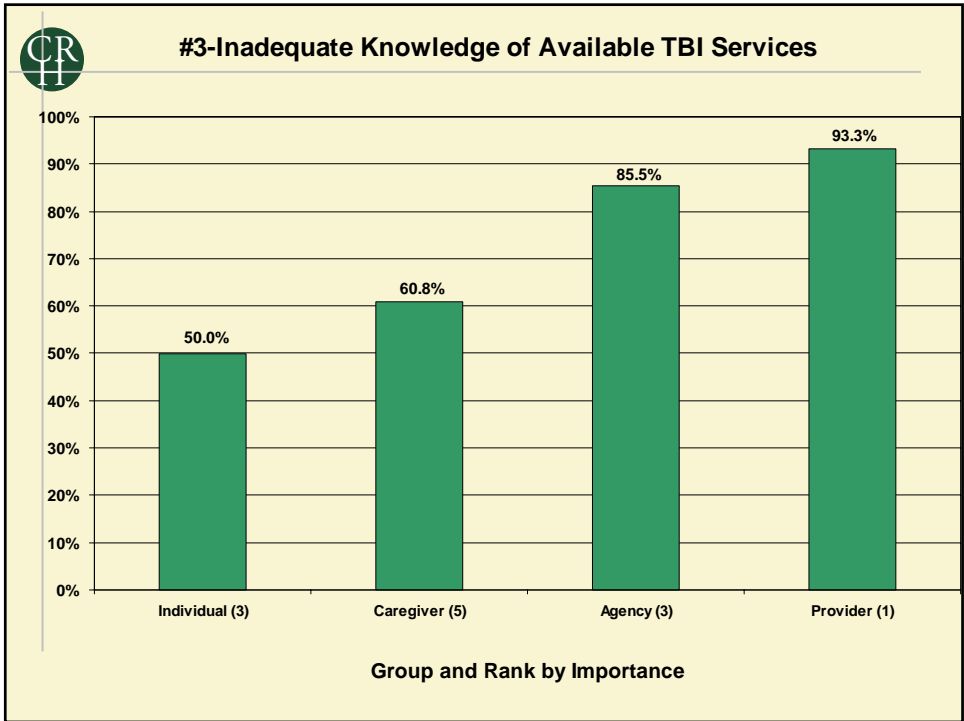
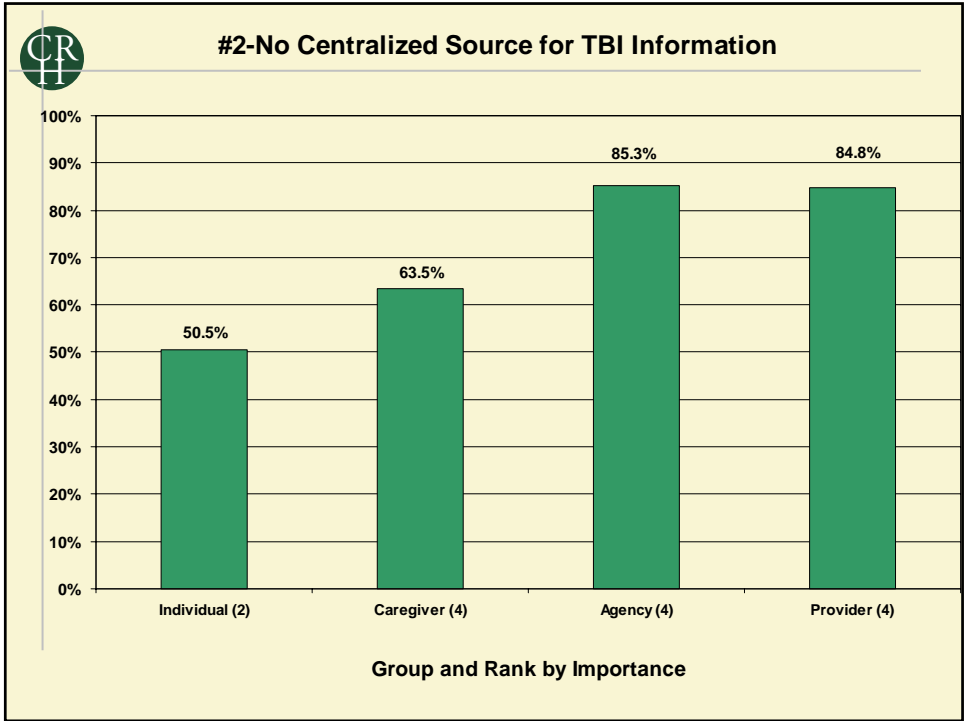
Comparative Summary of Barriers

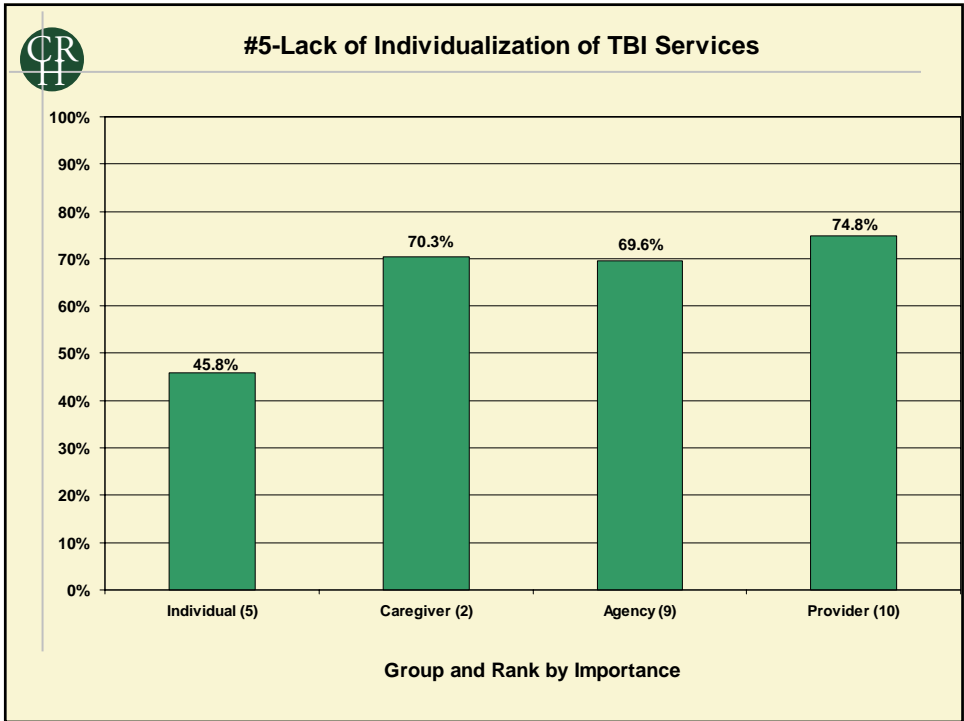
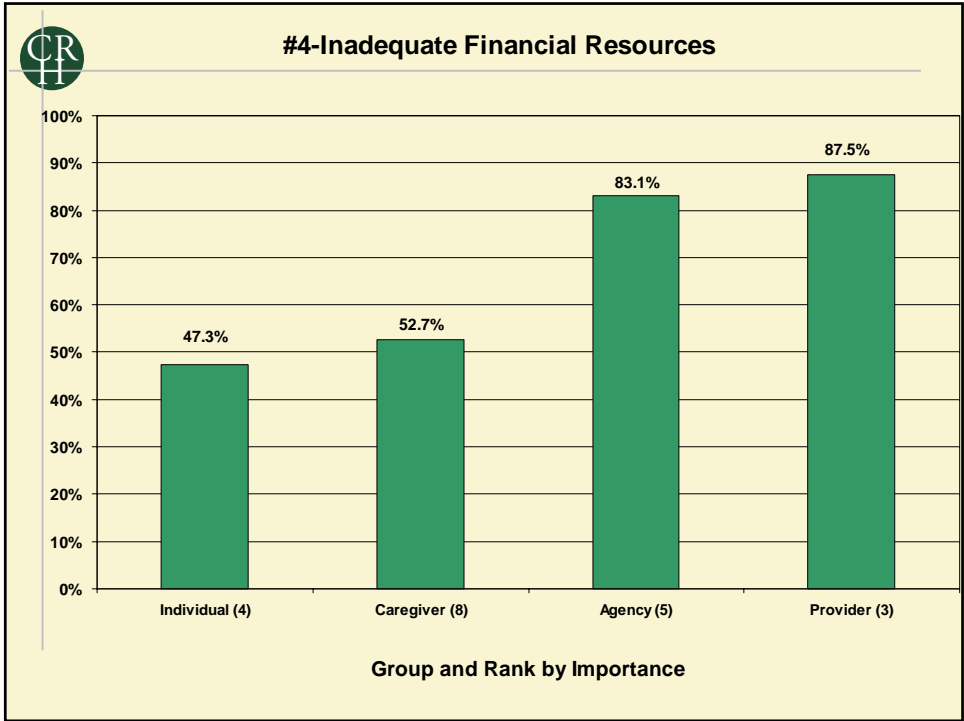


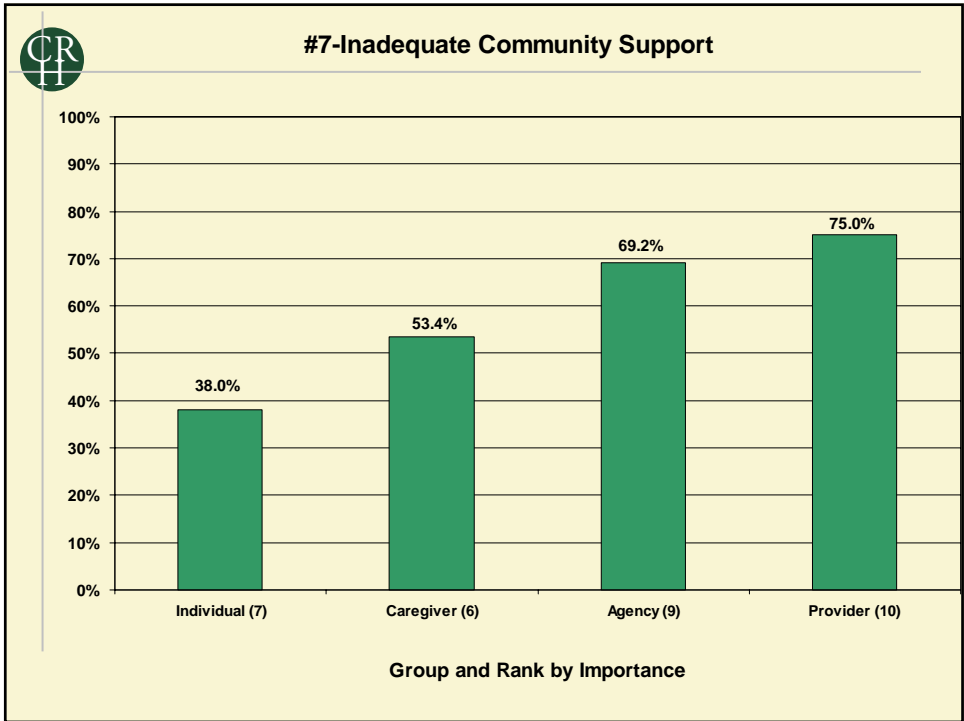
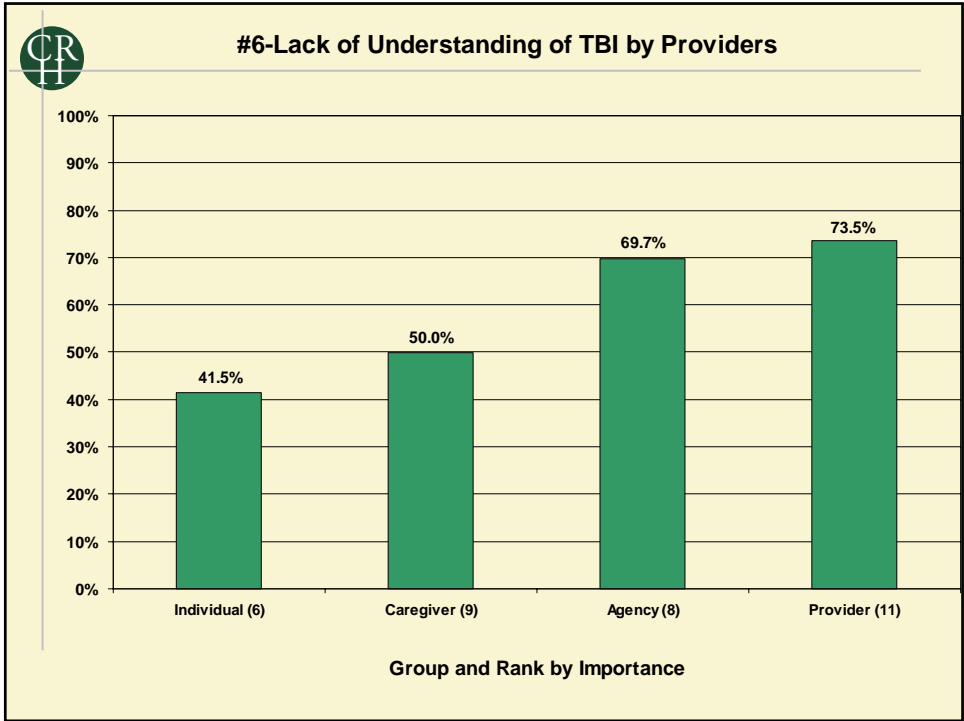
#1-Shortage of Strong TBI Advocates

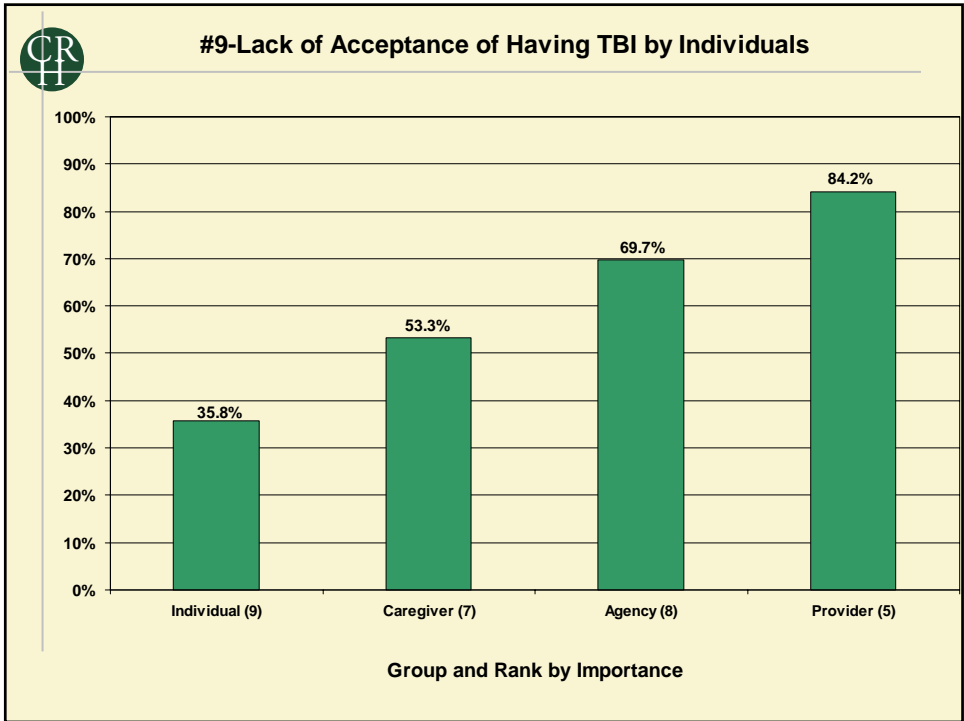
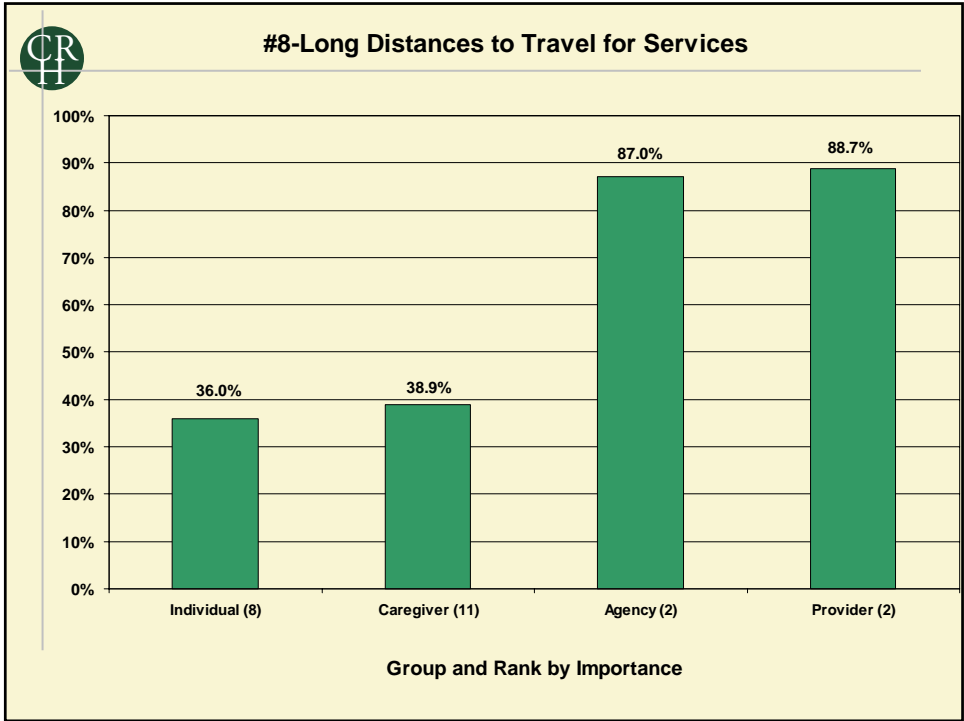


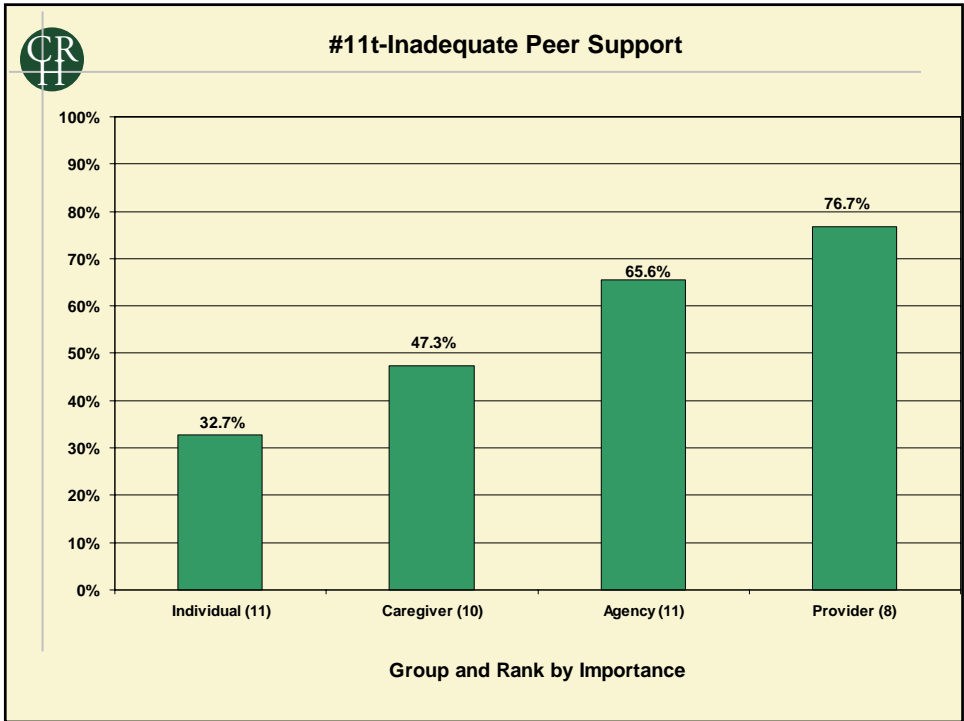
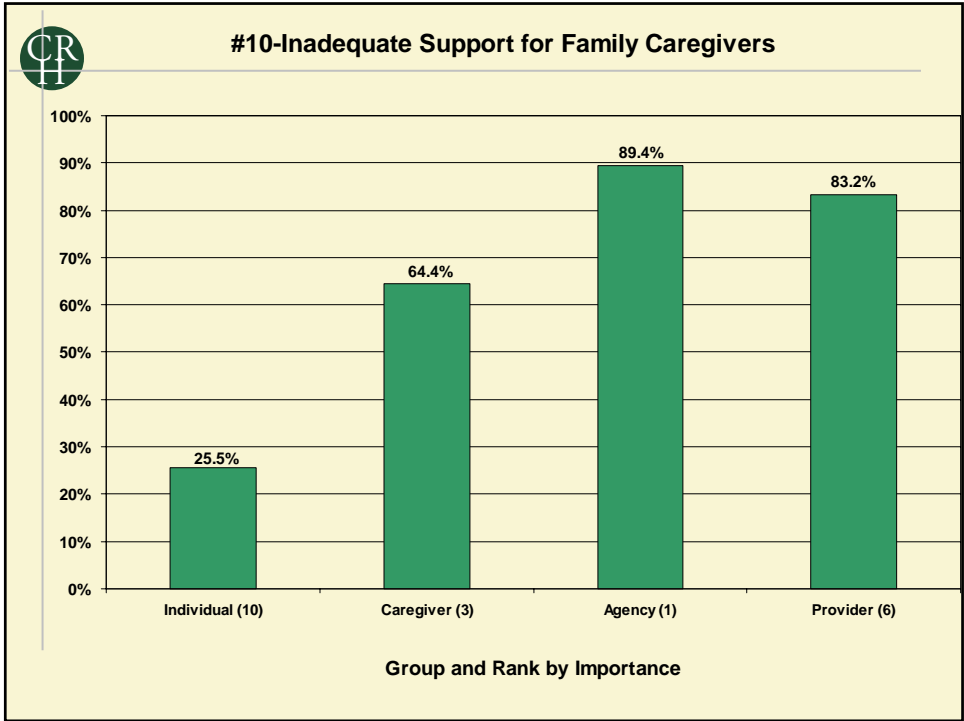
Group and Rank by Importance

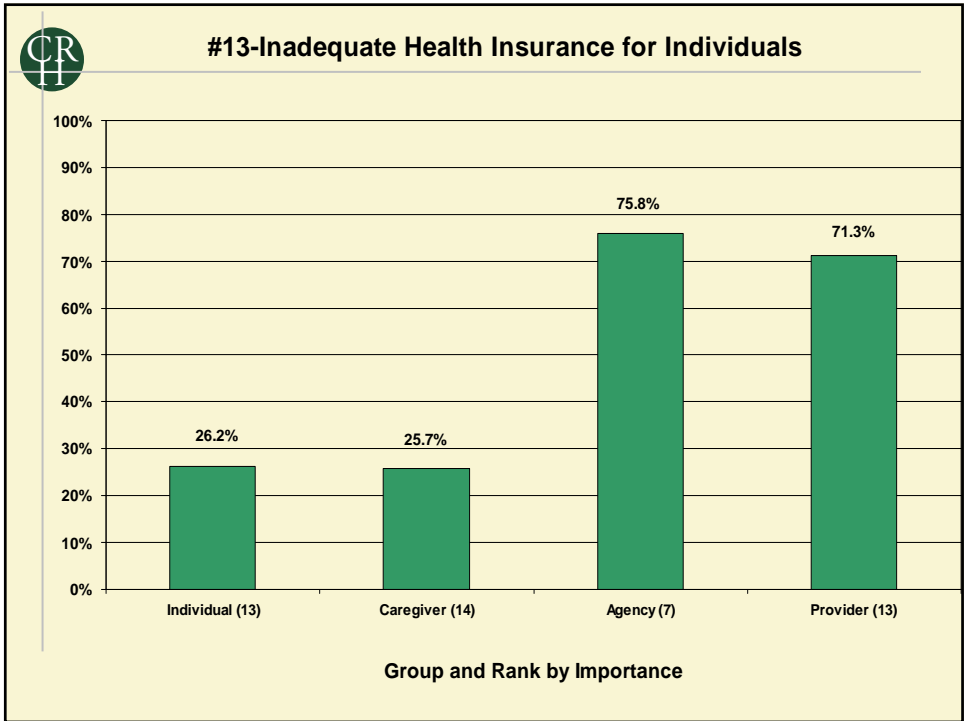
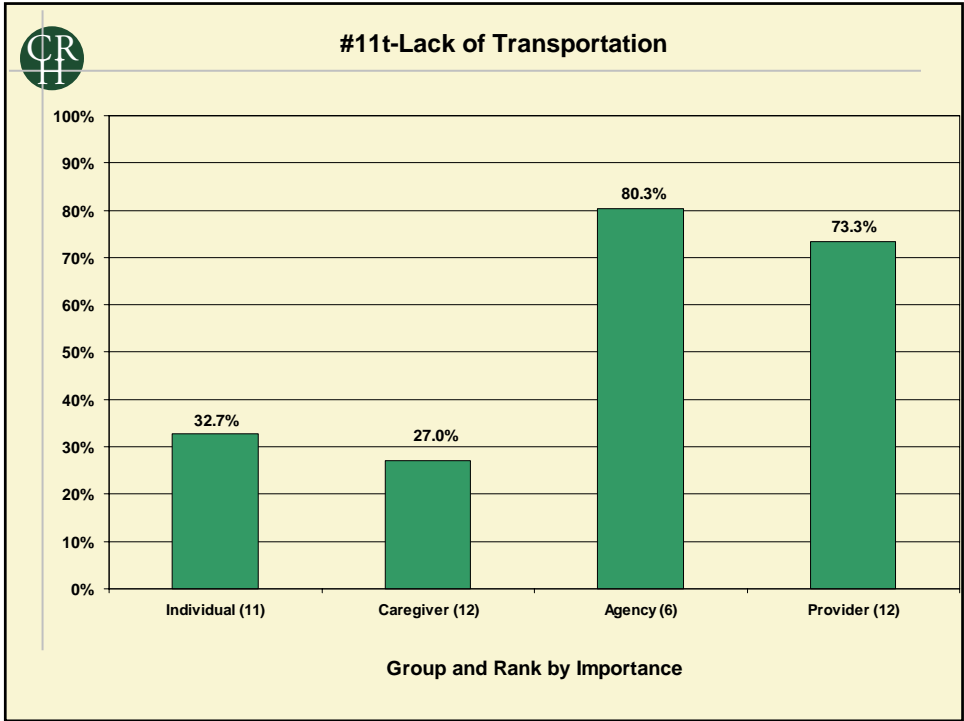


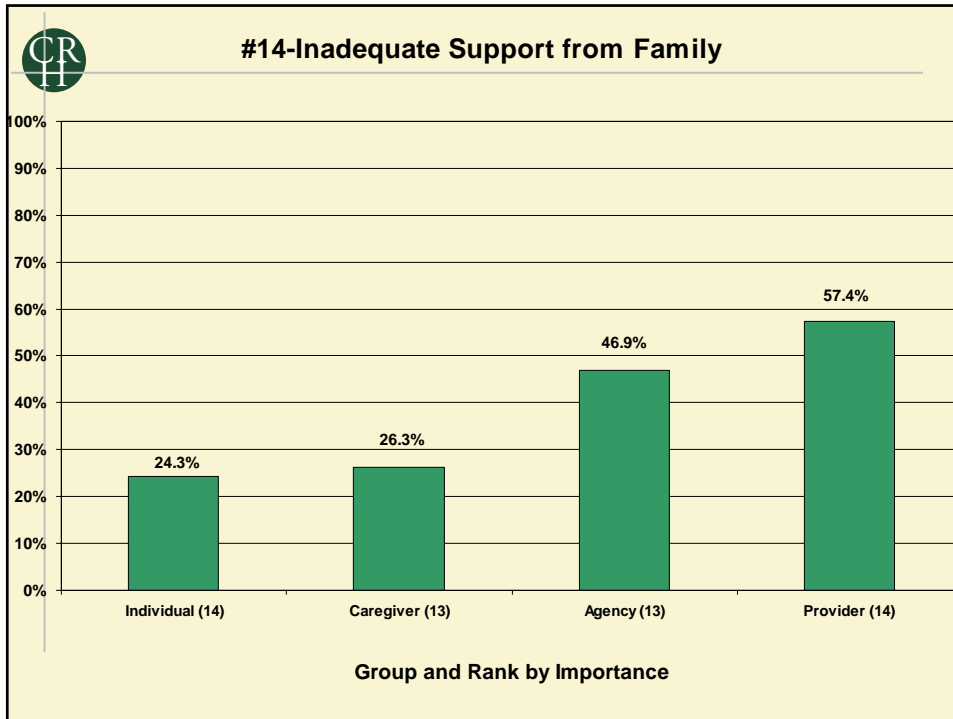













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- ### Key Findings
- Differences in perception between the groups surveyed:
 - Caregiver support
 - Transportation and distance
 - TBI Advocates
 - Need for Training
 - Need for TBI specific information and services
 - Caregiver age



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