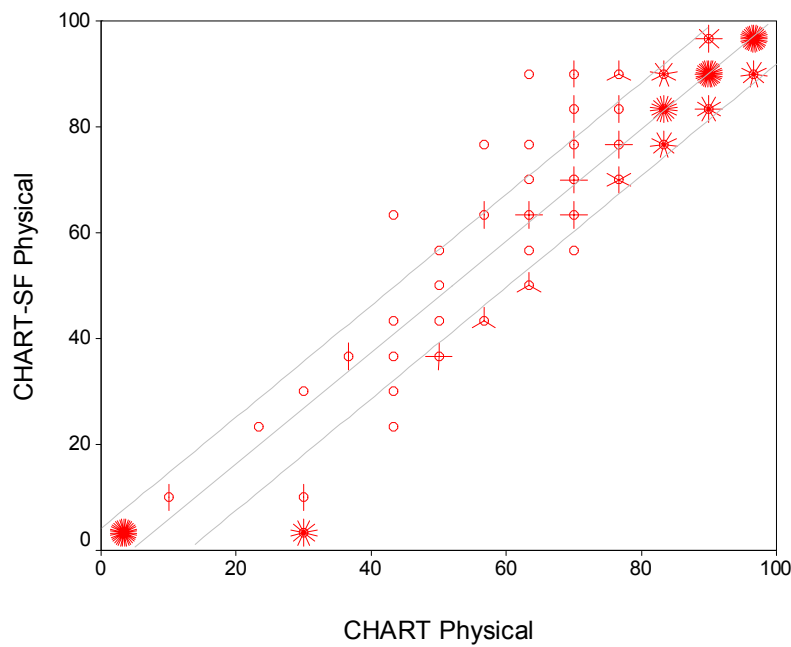


## Physical Independence Table and Graph

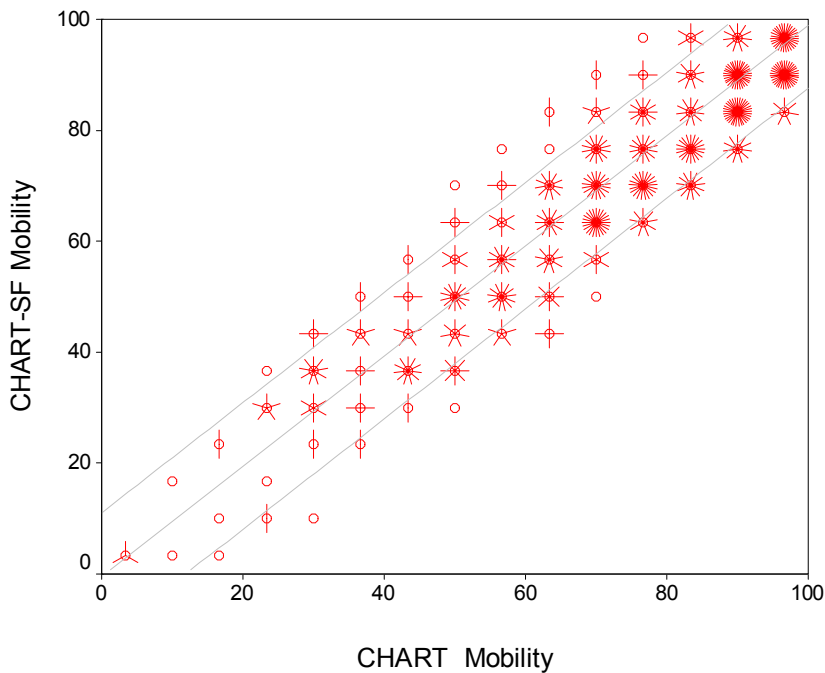
| <i>Code</i>            | <i>Question</i>  | <i>R<sup>2</sup></i> |
|------------------------|--|----------------------|
| <b>Hours Paid</b>      | How many hours in a typical 24-hour day do you have someone with you to provide physical assistance for personal care activities such as eating, bathing, dressing, toileting and mobility?  | .520                 |
| <b>Hours Unpaid</b>    | How many hours in a typical 24-hour day do you have someone with you to provide physical assistance for personal care activities such as eating, bathing, dressing, toileting and mobility?  | .942                 |
| <b>Hours per Month</b> | Not including any regular care as reported above, how many hours in a <u>typical month</u> do you occasionally have assistance with such things as grocery shopping, laundry, housekeeping, or infrequent medical needs because of the disability? | .956                 |
| <b>Who Trains</b>      | Who takes responsibility for instructing and directing your attendants and/or caregivers?  | .956                 |



$$100 - ((\text{Hours Paid} + \text{Hours Unpaid}) * 4)$$

## Mobility Table and Graph

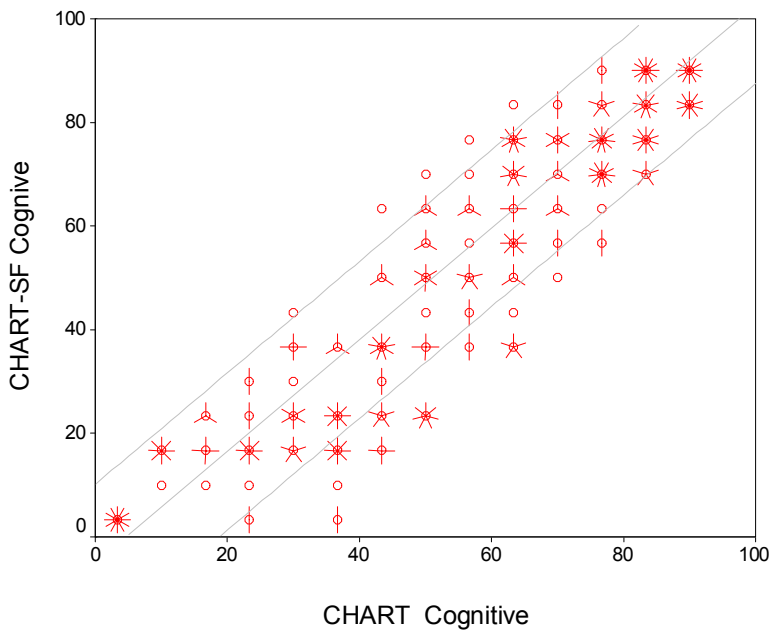
| Code  | Question   | R <sup>2</sup> |
|---|--|----------------|
| <b>Days out of house</b>                          | In a typical week, how many days do you get out of your house and go somewhere?                                      | .720           |
| <b>Nights away from home</b>                      | In the last year, how many nights have you spent away from your home (excluding hospitalizations)?                   | .871           |
| <b>Hours out of bed</b>                           | On a typical day, how many hours are you out of bed?   | .947           |
| <b>Transportation whenever</b>                    | Does your transportation let you get out whenever you want?  | .974           |
| <b>Enter and exit house</b>                       | Can you enter and exit your home without any assistance from someone?  | .984           |
| <b>Transportation without notice</b>              | Can you use your transportation with little or no advance notice?  | .991           |
| <b>Independent access</b>                         | In your home, do you have independent access to your sleeping area, kitchen, bathroom, telephone, and TV (or radio)? | .995           |
| <b>Transportation allow you to get all places</b> | Does your transportation allow you to get to all the places you would like to go?                                    | .998           |
| <b>Transportation independence</b>                | Can you use your transportation independently?   | 1.00           |



(Days out of the house \*7) + (Hours out of bed \*3) + (Nights away from home [0,10,15,20])

## Cognitive Table and Graph

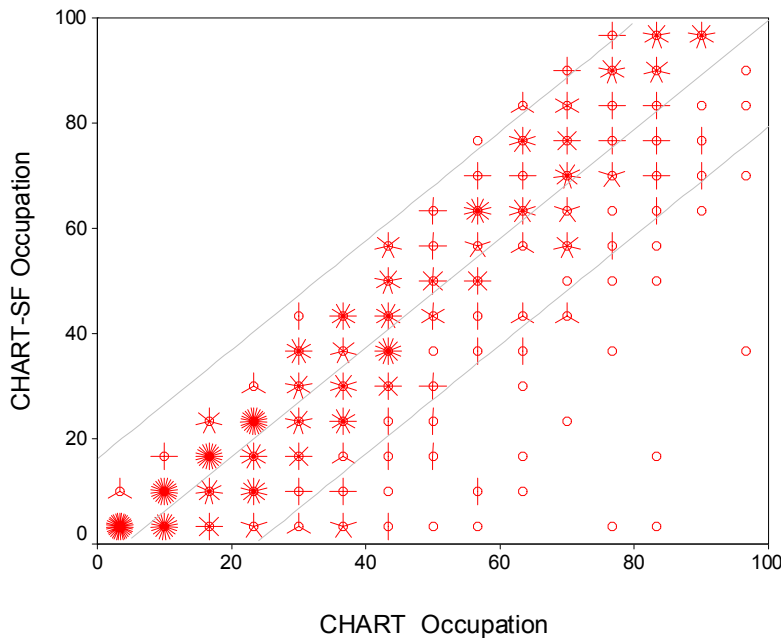
| Code                      | Question   | R <sup>2</sup> |
|---------------------------|--|----------------|
| <b>Home Assistance</b>    | How much time is someone with you in your home to assist you with activities that require remembering, decision making, or judgment? | .834           |
| <b>Outside Assistance</b> | How much of the time is someone with you to help you with remembering, decision making, or judgment when you go away from your home? | .912           |
| <b>Remembering</b>        | How often do you have difficulty remembering important things that you must do?  | .960           |
| <b>Money</b>              | How much of your money do you control?   | .983           |
| <b>Communication</b>      | How often do you have difficulty communicating with other people?  | 1.00           |



(Assistance in the home \*11) +  
(Assistance outside the home \*15)

## Occupation Table and Graph

| Code                     | Question  | R <sup>2</sup> |
|--------------------------|---|----------------|
| <b>Homemaking</b>        | How many hours per week do you spend in active homemaking including parenting, housekeeping, and food preparation?  | .467           |
| <b>Working</b>           | How many hours per week do you spend working in a job for which you get paid?   | .816           |
| <b>School</b>            | How many hours per week do you spend in school working toward a degree or in an accredited technical training program (including hours in class and studying)?  | .894           |
| <b>Self Improvement*</b> | How many hours per week do you spend in other self-improvement activities such as hobbies or leisure reading (Please do not include time spent watching TV or listening to the radio)?                | .943           |
| <b>Maintenance</b>       | How many hours per week do you spend in home maintenance activities such as gardening, house repairs or home improvement?   | .977           |
| <b>Recreation</b>        | How many hours per week do you spend in recreational activities such as sports, exercise, playing cards, or going to movies (Please do not include time spent watching TV or listening to the radio)? | .996           |
| <b>Volunteering</b>      | How many hours per week do you spend in ongoing volunteer work for an organization?   | 1.00           |

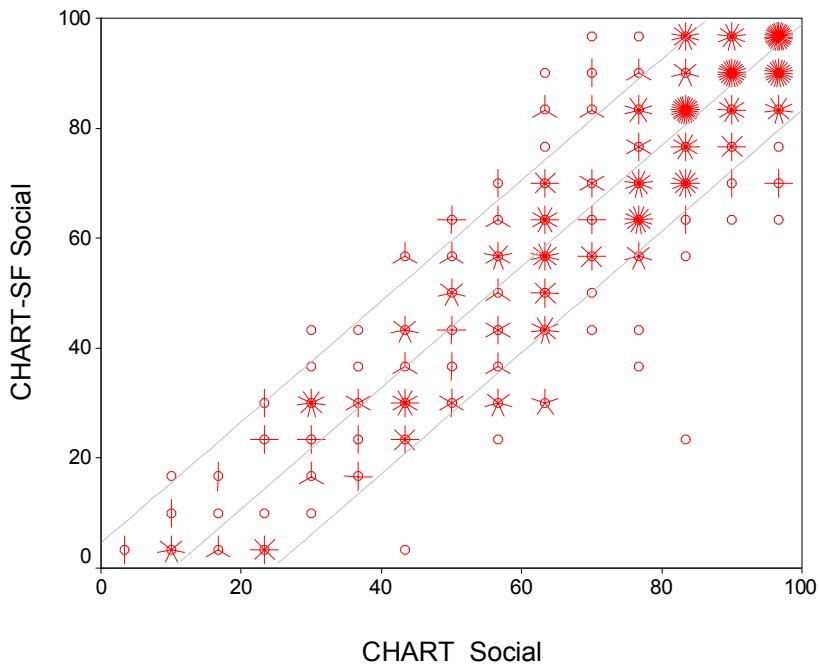


$$(\sum(\text{Work, School, Homemaking, Maintenance}) * 2.5) + (\text{Recreation} * 1.25)$$

\*Note – Even though hours of self improvement was entered into the model, the question could not be used as it refers to "any other activity"

## Social Integration Table and Graph

| Code                     | Question  | R <sup>2</sup> |
|--------------------------|---|----------------|
| <b>Friends</b>           | How many friends (non-relatives contacted outside business or organizational settings) do you visit, phone, or write to at least once a month?  | .587           |
| <b>Living Situation*</b> | Do you live alone?<br>Do you live with a spouse or significant other?<br>How many children do you live with?<br>How many other relatives do you live with?<br>How many roommates do you live with?<br>How many attendants do you live with? | .748           |
| <b>Business</b>          | How many business or organizational associates do you visit, phone, or write to at least once a month?  | .870           |
| <b>Strangers</b>         | With how many strangers have you initiated a conversation in the last month (for example, to ask information or place an order)?  | .931           |
| <b>Family</b>            | How many relatives (not in your household) do you visit, phone, or write to at least once a month?  | .973           |
| <b>Romantic</b>          | (If you don't live with a spouse or significant other) are you involved in a romantic relationship?   | 1.0            |



\* All questions are replaced by these three -

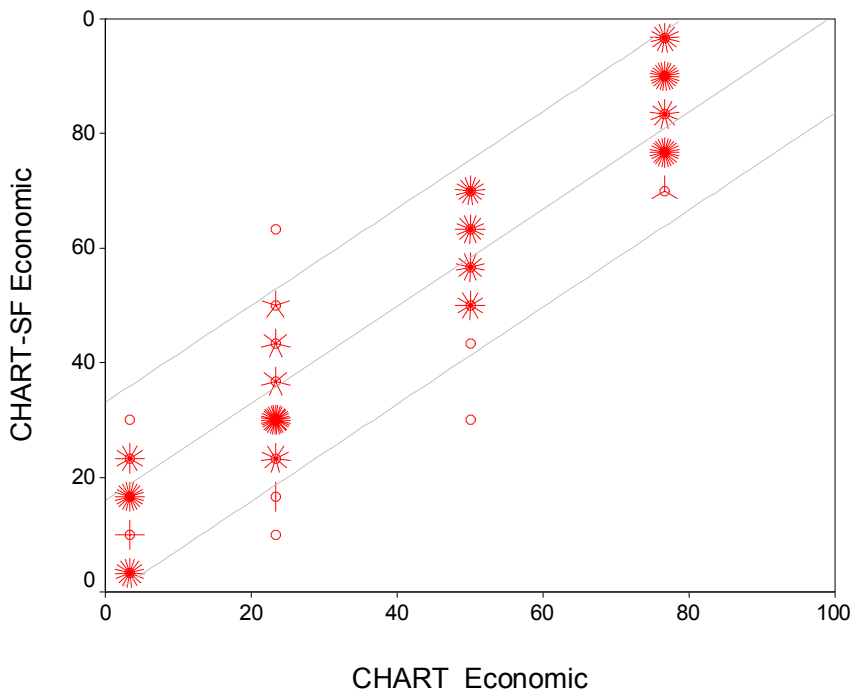
How many people do you live with?  
Is one of them your spouse or significant other?

Of the people you live with how many are relatives?

(Living Situation [0,25,38]+ (6\*relatives in household)+(Strangers [15,23,30]) + (Business \*2.5 [ $\leq$ 25]) + (Friends\* 13[ $\leq$ 65])

## Economic Self Sufficiency Table and Graph

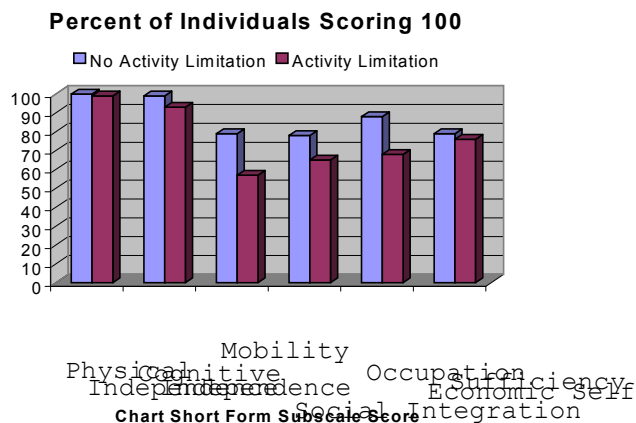
| Code           | Question   | R <sup>2</sup> |
|----------------|--|----------------|
| <b>Income</b>  | Approximately what was the combined annual income, in the last year, of all family members in your household (Consider all sources including wages and earnings, disability benefits, pensions and retirement income, income from court settlements, investments and trust funds, child support and alimony, contributions from relatives, and any other source.)? | .405           |
| <b>Expense</b> | Approximately how much did you pay last year for medical care expenses (Consider any amounts paid by yourself or the family members in your household and not reimbursed by insurance or benefits.)?   | .441           |
| <b>Poverty</b> | Poverty Level  | .454           |



$$\frac{((\text{Income}) - (\text{Expenses})) / \text{Poverty Level}}{50}$$

## Behavioral Risk Factor Surveillance System (BRFSS) Analysis of CHART SF

Analysis from the 1999 BRFSS show that the vast majority of persons that specify that they do not have a physical or cognitive limitation, score 100 on many of the subscales. These numbers are consistently lower for persons who identify themselves as having some type of activity limitation. The table below reflects the proportion of persons scoring one hundred points on any given subscale by limitation. (This analysis is based on a sample of 2259 weighted to represent the population of Colorado 18 years or older).



Further, the mean subscale scores for all Chart SF items were significantly ( $p < .01$  for economic subscale and  $p < .001$  for all others) lower for persons with activity limitations. The following table shows the descriptive statistics of the subscales by activity limitation.

### Descriptive information for CHART SF subscales by Activity Limitation

|                           |              | <i>N</i>    | <i>Mean</i>  | <i>Std. Deviation</i> | <i>95% Confidence Interval for Mean</i> |              | <i>Minimum</i> | <i>Maximum</i> |
|---------------------------|--------------|-------------|--------------|-----------------------|---|--------------|----------------|----------------|
| Physical Independence     | no           | 1783        | 100.00       | .00                   | .00                                     | 100.00       | 100.00         | 100.00         |
|                           | yes          | 461         | 99.41        | 5.71                  | 98.88                                   | 99.93        | 28.00          | 100.00         |
|                           | <b>Total</b> | <b>2245</b> | <b>99.88</b> | <b>2.60</b>           | <b>99.77</b>                            | <b>99.99</b> | <b>28.00</b>   | <b>100.00</b>  |
| Cognitive Independence    | no           | 1784        | 99.57        | 3.88                  | 99.39                                   | 99.75        | 45.00          | 100.00         |
|                           | yes          | 466         | 95.97        | 15.56                 | 94.55                                   | 97.39        | 15.00          | 100.00         |
|                           | <b>Total</b> | <b>2250</b> | <b>98.82</b> | <b>8.01</b>           | <b>98.49</b>                            | <b>99.16</b> | <b>15.00</b>   | <b>100.00</b>  |
| Mobility                  | no           | 1777        | 97.02        | 8.02                  | 96.65                                   | 97.39        | 38.00          | 100.00         |
|                           | yes          | 477         | 91.43        | 14.46                 | 90.13                                   | 92.73        | 16.00          | 100.00         |
|                           | <b>Total</b> | <b>2254</b> | <b>95.84</b> | <b>10.01</b>          | <b>95.42</b>                            | <b>96.25</b> | <b>16.00</b>   | <b>100.00</b>  |
| Social Integration        | no           | 1727        | 94.79        | 13.26                 | 94.17                                   | 95.42        | .00            | 100.00         |
|                           | yes          | 462         | 89.90        | 18.03                 | 88.26                                   | 91.55        | .00            | 100.00         |
|                           | <b>Total</b> | <b>2189</b> | <b>93.76</b> | <b>14.53</b>          | <b>93.15</b>                            | <b>94.37</b> | <b>.00</b>     | <b>100.00</b>  |
| Occupation                | no           | 1711        | 95.77        | 14.28                 | 95.10                                   | 96.45        | .00            | 100.00         |
|                           | yes          | 454         | 80.27        | 32.41                 | 77.28                                   | 83.26        | .00            | 100.00         |
|                           | <b>Total</b> | <b>2165</b> | <b>92.53</b> | <b>20.51</b>          | <b>91.66</b>                            | <b>93.39</b> | <b>.00</b>     | <b>100.00</b>  |
| Economic Self-Sufficiency | no           | 1578        | 92.50        | 18.65                 | 91.58                                   | 93.42        | .00            | 100.00         |
|                           | yes          | 411         | 91.35        | 19.33                 | 89.48                                   | 93.23        | .00            | 100.00         |
|                           | <b>Total</b> | <b>1989</b> | <b>92.27</b> | <b>18.79</b>          | <b>91.44</b>                            | <b>93.09</b> | <b>.00</b>     | <b>100.00</b>  |