

Brief Disability Computation Chart

Overview: The Disability Computation Chart is a scaled-down version of the Rehabilitation Index for rapid assessment of a patient's resources for rehabilitation.

Factors:

- (1) general health
- (2) previous work record
- (3) intelligence
- (4) personality
- (5) emotional stability
- (6) socioeconomic status
- (7) rehabilitation potential

Scoring: 1 to 4 points with 1 indicating very poor and 4 good

disability score = SUM(points for the 7 factors)

Interpretation:

- minimum score: 7
- maximum score: 28
- The higher the score the better the rehabilitation potential.

Use in Estimating Disability

percentage of modifying factors = $(1 - ((\text{disability score}) / 28)) * 100$

Robinson averaged the percent impairment due to severe skin disease with the percent modifying factors to give a percent disability.

percent disability = $((\text{percent impairment from 0 to 100}) + (\text{percent modifying factors})) / 2$

Comments:

- As the disability score improves the percentage of modifying factors decreases. This is the opposite of what it probably should be. I have simply used the disability score as a percent of optimum score in the implementation.
- Since the minimum score is 7 there is a lower limit of 25% for the percent of optimum. Scoring from 0 to 3 (or expanding the range to 0 to 4) might give a better measure.

References:

Robinson HM. Measurement of impairment and disability in dermatology. Arch Dermatol. 1973; 108: 207-209.