

Cerebrovascular Disease (Stroke)
Summary of Methods and Data for Estimate of Costs of Illness

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|---|-----------------|
| 1. Estimated Total Economic Cost | \$ 43.3 billion |
| Estimated Direct Cost | \$ 28.3 billion |
| Estimated Indirect Cost | \$ 15.0 billion |
| Reference Year | 1998* |
| IC Providing the Estimate | NINDS |
| | |
| Direct Costs Include: Other related nonhealth costs | No |
| Indirect Costs Include: | |
| Mortality costs | Yes |
| Morbidity costs: Lost workdays of the patient | Yes |
| Morbidity costs: Reduced productivity of the patient | No |
| Lost earnings of unpaid care givers | No |
| Other related nonhealth costs | No |
| Interest Rate Used to Discount Out-Year Costs | 6 % |
| 2. Category code(s) from the International Classification of Diseases, 9th Revision, Clinical Modification, (ICD-9-CM) for all diseases whose costs are included in this estimate: <u>430-438 (2)</u> . | |
| 3. Estimate Includes Costs: | |
| Of related conditions beyond primary, strictly coded ICD-9-CM category | No |
| Attributable to the subject disease as a secondary diagnosis | No |
| Of conditions for which the subject disease is an underlying cause | No |
| 4. Population Base for Cost Estimate (Total U.S. pop or other) | Total U.S. pop. |
| 5. Annual (prevalence model) or Lifetime (incidence model) Cost: | Annual |
| 6. Perspective of Cost Estimate (Total society, Federal budget, or Other) | Total Society |
| 7. Approach to Estimation of Indirect Costs | Human Capital |

8. Source of Cost Estimate:

National Center for Health Statistics, Centers for Disease Control and Prevention (Thomas A. Hodgson), and National Heart, Lung, and Blood Institute, NIH (Thomas J. Thom).

9. Other Indicators of Burden of Disease:

Incidence: Greater than 700,000 per year. This estimate, which is an increase of 200,000 from earlier estimates, reflects an older, more diverse population. Broderick, J., Brott, T., Kothari, R., Khoury, J., Pancioli, A., Gebel, J., Mills, D., Minneci, L., and Shukla, R. "The Greater Cincinnati/Northern Kentucky Stroke Study: Preliminary and First-Ever and Total Incidence Rates of Stroke Among Blacks." *Stroke* vol.29, pps.415-21, 1998

Prevalence: 3.9 million

Stroke is the third leading cause of death in the U.S. (\geq 150,000 per year)

10. Commentary:

These data are consistent with extrapolations from the Framingham Heart Study base data, and with information promulgated by the American Heart Association.

*Reference year is displayed as '1998' only for consistency with other reports which project these cost estimates onto 1998 using inflationary and other factors applied to the results of studies on earlier years' costs.