

Appendix V

CALCULATION OF NET EXPENDITURES FOR CT SCANNING', 1976

	Low	High
Average charge, CT examination \$	240 \$	260
Total examinations	850,200	981,000
Charges for all CT examinations	204,048,000	255,060,000
Hospital day expenses ^d	81,459,287	143,286,042
Inpatient physician charges ^e	7,917,322	27,852,976
Total gross CT expenditures	293,424,609	426,199,018
Reduced radionuclide brain scans ^f	139,000	139,000
Charges ^g	24,603,000	17,375,000
Hospital day expenses ^h	10,797,520	0
Inpatient physician charges ^e	2,098,900	0
Reduced expenditures	37,499,420	17,375,000
Reduced pneumoencephalograms	35,750	16,250
Charges ^j	7,507,500	3,250,000
Hospital day expenses ^k	38,878,840	5,049,200
Inpatient physician charges ^e	7,557,550	490,750
Reduced expenditures	53,943,890	8,789,950
Reduced arteriograms'	22,500	22,500
Charges''	5,175,000	4,500,000
Hospital day expenses''	13,982,400	6,991,200
Inpatient physician charges ^e	2,718,000	679,500
Reduced expenditures	21,875,400	12,170,700
Total reduced expenditures	113,318,710	38,335,650
Net expenditures on CT Scanning	\$180,105,899	\$387,863,368

^aBased on charges, not costs, of procedures, except for hospital day expenses.

^bSources: 29, 265.

^cBased on 327 machines as of June 1976 (274 machines in hospitals) and output of 2,600-3,000 annual examinations per machine (159,425,577,584).

^dBased on 46-51 percent of hospital examinations on inpatients, an inpatient wait of 1.6-2.2 days, and adjusted hospital expenses of \$155.36 per day (29,82,159,241).

^eBased on 1 to 2 physician visits per hospital day by an Internist charging \$15,10 for a follow-up hospital visit (507).

^fEstimated 35 percent decline in 1.1 million scans in 1973 (265).

^gFrom \$125 to \$177 per nuclide scan (296,375).

^hFrom 0 to 1 day stay for 50 percent of patients.

ⁱEstimated decline of 65 percent. Estimates of the absolute number of pneumoencephalograms before CT scanning range from 55,000 to 5 percent of radionuclide brain scans in 1973 to 25,000 (265,425,582).

^jFrom \$200 to \$210 per pneumoencephalogram (296,375).

^kFrom 2 to 7 days stay and all patients as inpatients.

^lEstimated decline of 20 percent (265).

^mFrom \$200 to \$230 per arteriogram (296,375).

ⁿFrom 2 to 4 days stay and all patients as inpatients.