

Appendix table 4-35

R&D expenditures contracted out in United States, by selected NAICS industry: 1999–2003

(Millions of dollars)

Industry	NAICS code	1999	2000	2001	2002	2003
All industries.....	21–23, 31–33, 42, 44–81	9,240	NA	8,723	7,846	10,236
Manufacturing	31-33	4,080	4,794	3,957	4,428	5,212
Chemicals	325	2,386	2,783	2,065	2,485	2,838
Pharmaceuticals and medicines	3254	2,274	2,658	1,899	2,368	2,716
Computer and electronic products	334	101	168	565	411	409
Computers and peripheral equipment.....	3341	24	44	118	83	76
Communications equipment.....	3342	D	D	80	19	72
Semiconductor and other electronic components	3344	33	D	86	41	123
Navigational, measuring, electromedical, and control instruments	3345	12	31	278	264	130
Electrical equipment, appliances, and components	335	D	84	60 (S)	35	39
Transportation equipment.....	336	812	771	708	799	1,135
Motor vehicles, trailers, and parts.....	3361-63	D	D	657	617	946
Aerospace products and parts.....	3364	80	D	D	178	182
Selected nonmanufacturing industries						
Information.....	51	504	597	577	363	813
Publishing	511	D	161	187	113	410
Software	5112	181	157	177	102	395
Professional, scientific, and technical services.....	54	957	1,200	1,676	1,113	1,828
Computer systems design and related services	5415	51	119	233	86	153
Scientific R&D services	5417	832	907	1,310	890	1,533

NA = not available; D = data withheld to avoid disclosing operations of individual companies; S = imputation of >50%

NAICS = North American Industry Classification System

NOTE: Data are company and other nonfederal funds for industrial R&D performance contracted to external organizations in United States.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development (annual series), <http://www.nsf.gov/sbe/srs/indus/start.htm>.