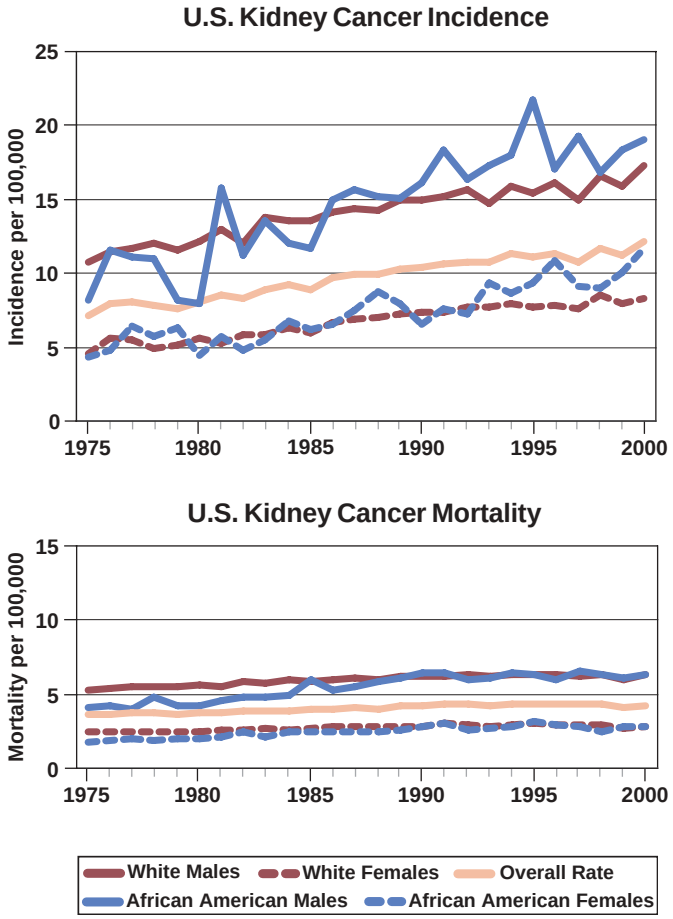
A Snapshot of Kidney Cancer

Incidence and Mortality Rate Trends

Kidney cancers encompass renal cell and renal pelvis cancers, which are, respectively, cancer sites within the main and lower parts of the kidney. Kidney cancer incidence has been increasing at a rate of about two percent per year for the past 65 years; the reasons for this increase are unclear. Overall mortality rate has slightly increased over the past two decades, though not as rapidly as the incidence rate. Kidney cancer incidence and mortality rates are nearly twofold higher for men than for women.

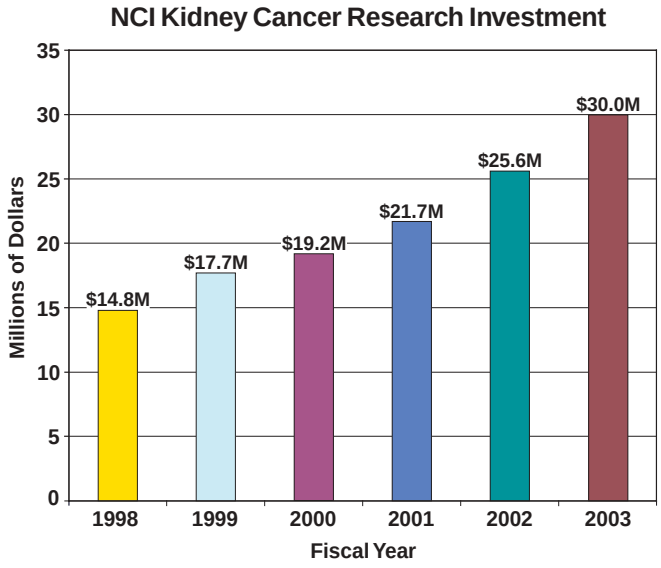
Source for incidence and mortality data: Surveillance, Epidemiology, and End Results (SEER) Program and the National Center for Health Statistics. Additional statistics and charts available at:
http://seer.cancer.gov/faststats/html/inc_kidrp.html
http://seer.cancer.gov/faststats/html/mor_kidrp.html



Trends in NCI Funding for Kidney Cancer Research

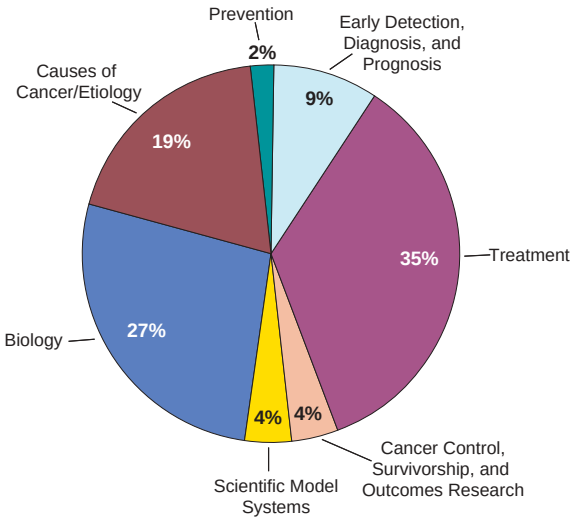
The National Cancer Institute's (NCI's) investment in kidney cancer research has increased from $14.8 million in fiscal year 1998 to $30.0 million in fiscal year 2003.

Source: NCI Financial Management Branch
http://www3.cancer.gov/admin/fmb



NCI Kidney Cancer Research Portfolio

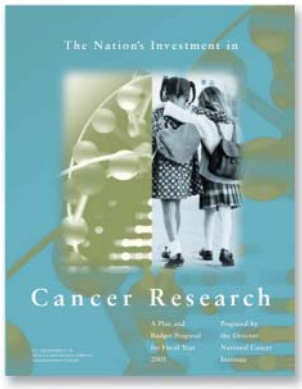
The pie chart shows the distribution of NCI kidney cancer research dollars by scientific area for fiscal year 2002. Such portfolio analyses along with the recommendations of the Progress Review Groups (PRGs) are used to (1) identify research gaps, (2) develop strategic plans that will address future research needs, and (3) track and assess progress.



NCI Kidney Cancer Research Portfolio*
Percentage of Total Dollars by Scientific Area
Fiscal Year 2002

*A description of the relevant research projects can be found at the NCI Cancer Research Portfolio website at http://researchportfolio.cancer.gov.

Examples of NCI Research Initiatives Relevant to Kidney Cancer



- The **Kidney/Bladder PRG**, a panel of prominent scientists and patient advocates, assessed the state of the science and identified future research priorities for kidney and bladder cancers. http://prg.cancer.gov
- Two genitourinary cancer-specific **Specialized Programs of Research Excellence (SPOREs)** are moving results from the laboratory to the clinical setting. http://spores.nci.nih.gov/current/genitourinary/genitourinary.html
- NCI's **Case-Control Study of Renal Cell Cancer among Caucasians and African Americans in the United States** will strive to identify environmental and genetic risk factors for renal cancer. Investigators hope to clarify the role of smoking, obesity, hypertension, medications, susceptibility genes, and other factors in the etiology of renal cancer. http://dceg.cancer.gov/occu-other.html
- The **Cooperative Human Tissue Network (CHTN)** is a nationwide collaborative network that specializes in the procurement, preservation, and distribution of human tissues for biomedical research, including normal and pathological kidney tissues. http://www-chtn.ims.nci.nih.gov/index.html
- NCI is recruiting individuals at high risk for kidney cancer through its **Cancer Genetics Network (CGN)**, a network of centers specializing in the study of inherited predisposition to cancer. The CGN kidney cancer studies aim to recruit families with a history of kidney cancer to enable identification of genetic mutations involved in the genesis of kidney cancer. http://epi.grants.cancer.gov/CGN
- The **Clinical Cancer Therapy and Prevention Research** program supports the translation of basic and preclinical discoveries into clinical cancer therapies and includes projects relevant to renal cancer. http://grants1.nih.gov/grants/guide/pa-files/PA-04-046.html
- The NCI intramural **Genitourinary Malignancies Faculty** is bringing together staff from 18 National Institutes of Health branches and labs to develop better methods for prevention, diagnosis, and treatment of genitourinary malignancies. Cancers of the prostate, testis, kidney and bladder are currently under study. http://ccr.cancer.gov/faculties/faculty.asp?facid=131
- The **Kidney Cancer Home Page** provides up-to-date information on kidney cancer treatment, prevention, genetics, causes, and other topics. http://cancer.gov/kidney