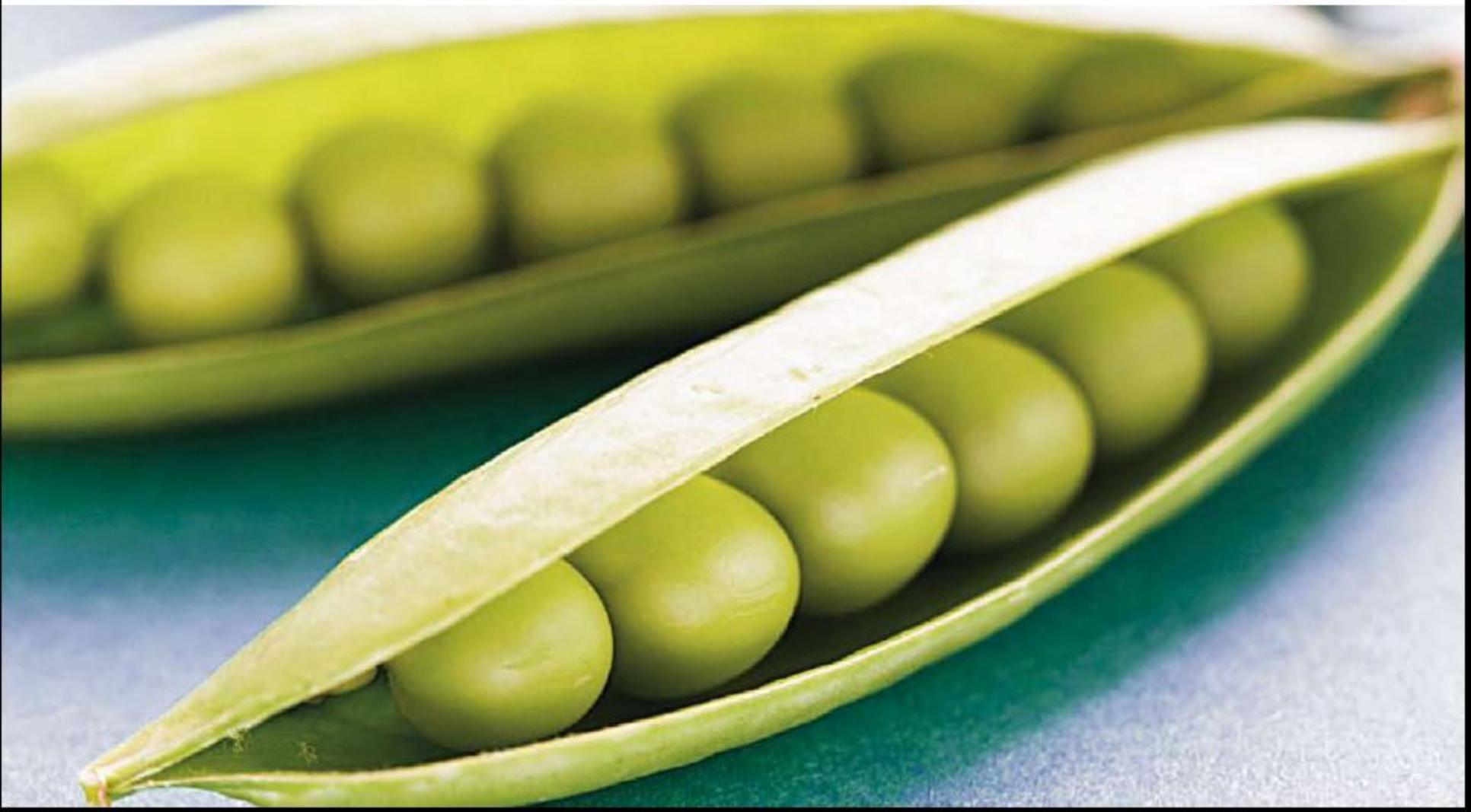


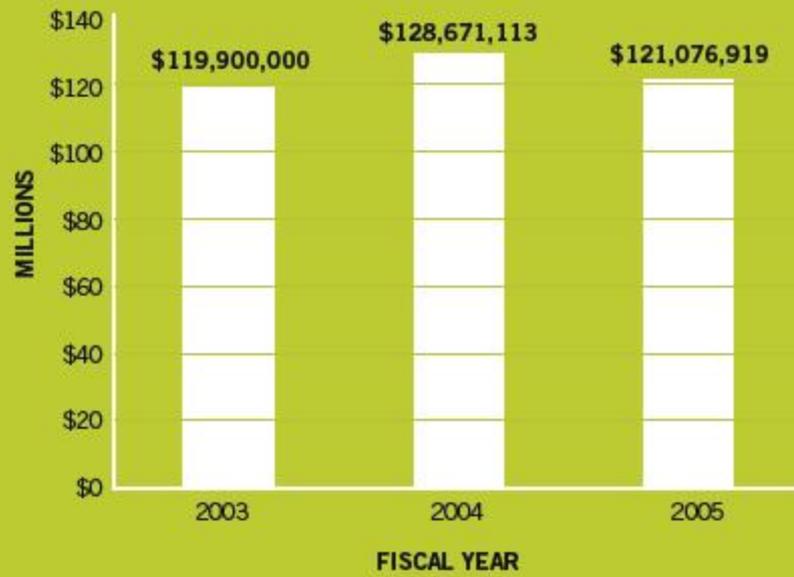


## **PART IV**

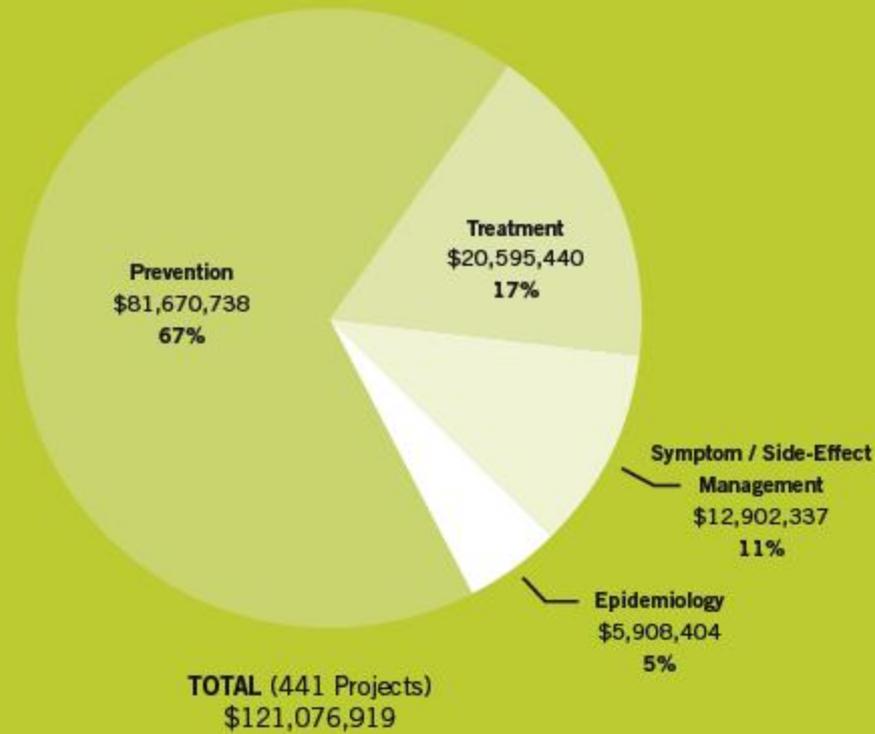
### NCI RESEARCH IN COMPLEMENTARY AND ALTERNATIVE MEDICINE



**Figure 3. NCI's CAM Expenditures FY 2003-2005**



**Figure 4. NCI CAM Research Projects FY 2005 by Research Type\***



\* Includes Grants, Cooperative Agreements, Intramural Projects, and Contracts

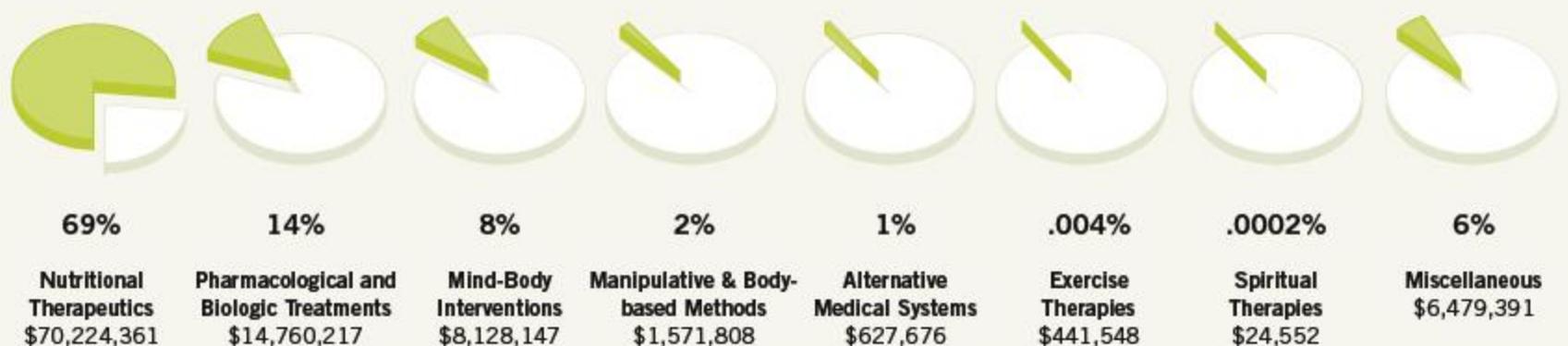
# RESEARCH PORTFOLIO ANALYSIS

After each fiscal year comes to a close, OCCAM takes an in-depth look at NCI's CAM research expenditures. Examination of NCI's CAM portfolio is an important step in helping to identify research gaps in the field of cancer CAM and to encourage dialogue about the potential direction of future research. This yearly analysis is an exercise which reveals an estimated total amount of funding that goes to cancer CAM research projects (both intramural and extramural research) and provides breakdowns according to the type of research (prevention, treatment, side effects/symptom management, and epidemiology), CAM category, and cancer type.

**TOTAL ESTIMATED CANCER CAM RESEARCH EXPENDITURE** | Analysis of NCI's FY 2005 CAM research portfolio shows that the agency has funded 441 research projects of which either entirely focus or contain some portion that addresses CAM. These projects include an assortment of intramural projects and extramural grants, cooperative agreements, contracts, and supplements. The estimated total for NCI's CAM research expenditures in FY 2005 is \$121,076,919. (Figure 3)

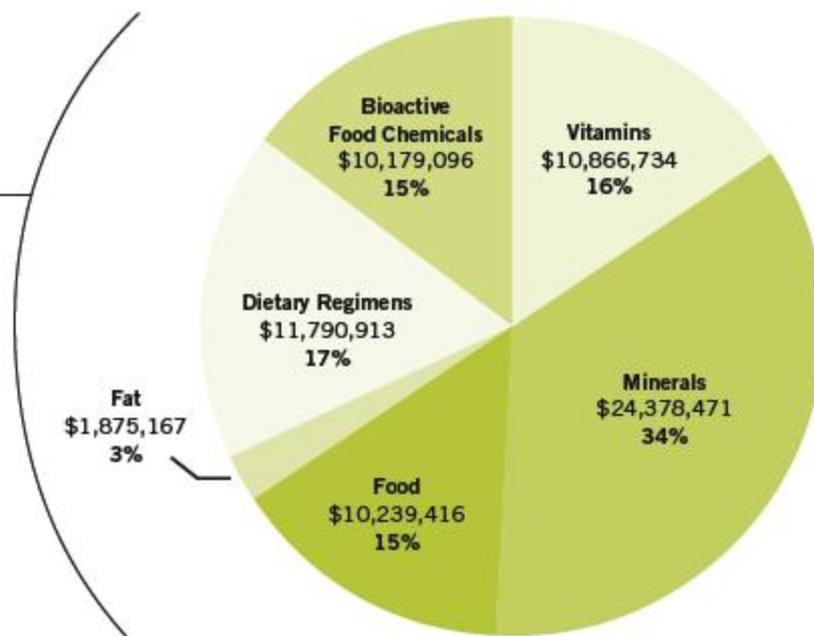
**BREAKDOWN BY RESEARCH TYPE** | The accompanying figure (Figure 4) shows the distribution of the NCI's CAM research projects by: prevention, treatment, symptom/side effects management, and epidemiology. In FY 2005, 67 percent of cancer CAM-related research projects were spent on various cancer prevention efforts, while treatment, symptom/side effects management, and epidemiology received 17 percent, 11 percent, and 5 percent, respectively.

Figure 5. NCI CAM Therapies—FY 2005\*



**Figure 6. NCI's FY 2005 CAM Nutritional Therapies Projects**

**TOTAL: \$70,224,361**



**BREAKDOWN BY MAJOR CAM THERAPY CATEGORY |**

Within the FY 2005 NCI CAM portfolio, research projects examined a wide variety of CAM therapies. These CAM therapies were categorized into eight groupings: alternative medicine systems, energy therapies, exercise therapies, manipulative and body-based methods, mind-body interventions, nutritional therapeutics, pharmacological and biologic treatments, and spiritual therapies (Figure 5). The largest percentage of research projects investigated nutritional therapeutics. Nutritional therapeutics includes research on food (e.g., broccoli and berries), minerals (e.g., calcium and selenium), vitamins (e.g., vitamins C and D), bioactive food components (e.g., isoflavones and carotenoids), dietary regimens (e.g., caloric restriction and high

fruits and vegetables), and fats (e.g., linoleic acid and omega-3). The accompanying pie-chart (Figure 6) shows the distribution of projects by the sub-categories.

**BREAKDOWN BY CANCER TYPE |**

NCI's FY 2005 research grants and cooperative agreements with CAM components can be categorized into twenty types of cancers. The largest amounts of cancer CAM research dollars spent were on prostate (\$15,332,684), breast (\$15,233,720), colorectal (\$13,370,222), and lung (\$7,774,659) cancers. Additionally, \$15,141,134 was spent on the research of CAM for nonspecified cancers and thus could not be broken down further. For more information on the remaining categories, please see Figure 7, below.

**Figure 7. NCI CAM Research Projects FY 2005 by Cancer Type\***

Bladder.....\$781,447	Esophageal.....\$571,021	Lung.....\$7,774,659	Prostate.....\$15,332,684
Brain.....\$424,634	Gastric.....\$250,015	Multiple Myeloma ...\$203,850	Skin, Melanoma .....\$883,288
Breast.....\$15,233,720	Head and Neck ....\$1,362,157	Non-Specific .....\$15,141,134	Skin, Non-Melanoma .....\$5,574,078
Cervical.....\$562,085	Kidney.....\$552,321	Ovarian.....\$145,152	<b>TOTAL.....\$81,013,765</b>
Colorectal.....\$13,370,222	Liver.....\$1,165,117	Pancreatic.....\$635,393	
Endometrial.....\$300,626	Leukemia.....\$484,232	Pediatric.....\$265,930	

\*Excludes Cancer Center Support Grants (i.e. P30s), Special Programs of Research Excellence (SPORES, P50s), cooperative agreements that support the research bases for Community Clinical Oncology Programs (CCOPs, U10s) and their supplements.