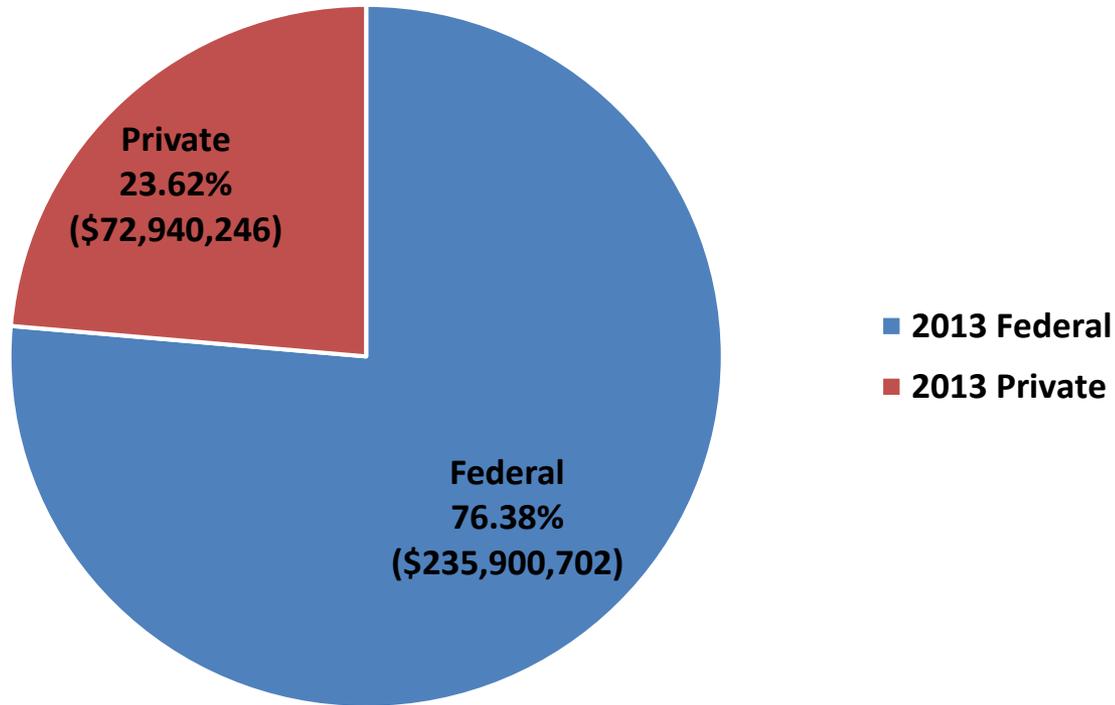
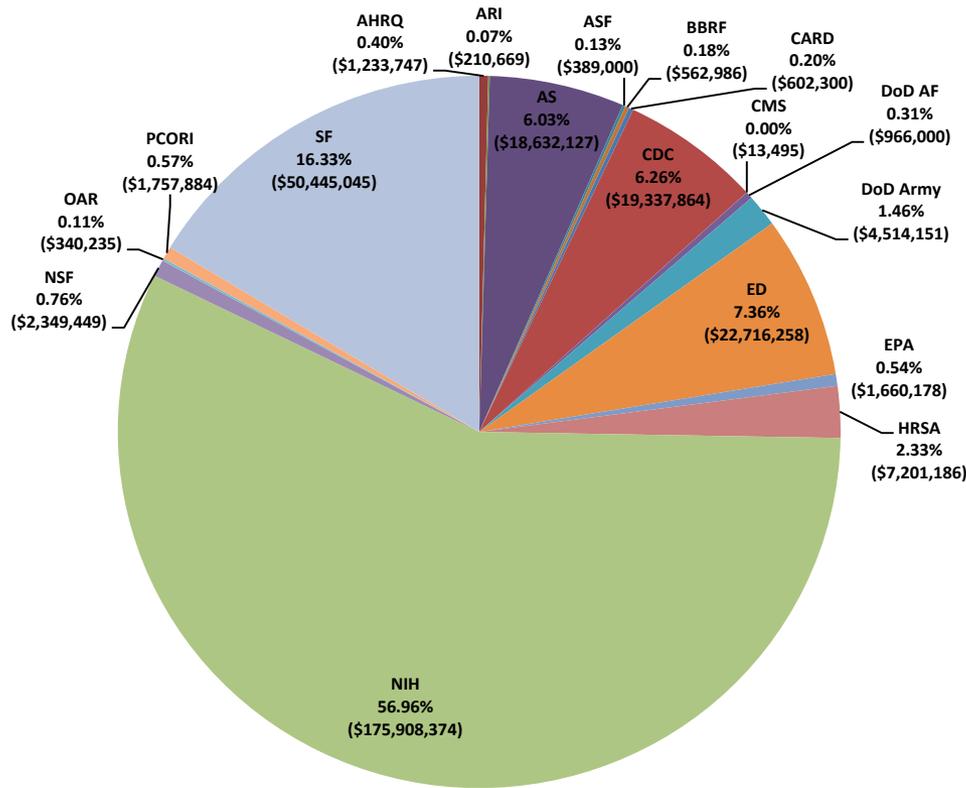


2013 Federal vs. Private Autism Research Funding



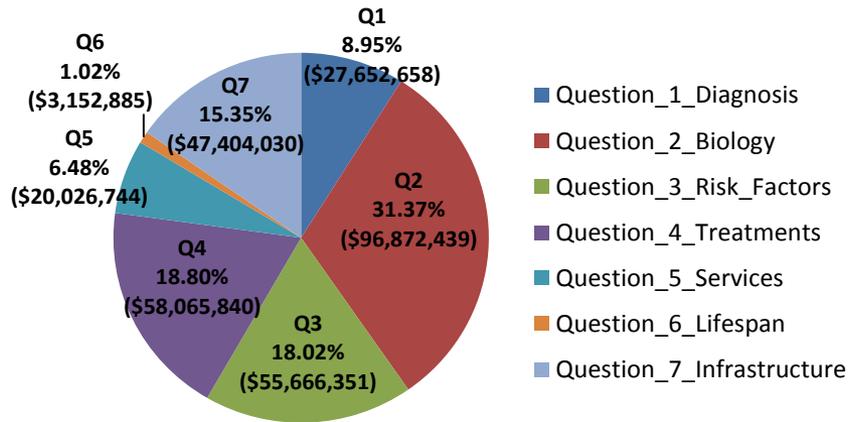
Source	2013 Funding	2013 Project Count	Percentage of 2013 Funding
Federal	\$ 235,900,702.00	688	76.38%
Private	\$ 72,940,245.58	603	23.62%
TOTAL	\$ 308,840,947.58	1291	100.00%

Percentage of 2013 Funding by Agency/Organization

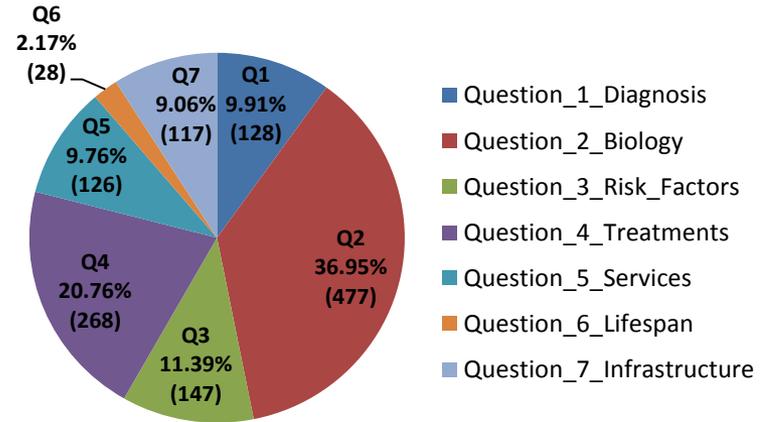


Federal or Private Funder	2013 Funding	Percentage of 2013 Funding
Administration for Children and Families (ACF)	\$ -	0.00%
Agency for Healthcare Research and Quality (AHRQ)	\$ 1,233,747.00	0.40%
Autism Research Institute (ARI)	\$ 210,669.00	0.07%
Autism Speaks (AS)	\$ 18,632,126.56	6.03%
Autism Science Foundation (ASF)	\$ 389,000.00	0.13%
Brain and Behavior Research Foundation (BBRF)	\$ 562,985.95	0.18%
Center for Autism and Related Disorders (CARD)	\$ 602,300.00	0.20%
Centers for Disease Control and Prevention (CDC)	\$ 19,337,864.00	6.26%
Centers for Medicare and Medicaid Services (CMS)	\$ 13,495.00	0.00%
Department of Defense – Air Force (DoD AF)	\$ 966,000.00	0.31%
Department of Defense – Army (DoD Army)	\$ 4,514,151.00	1.46%
Department of Education (ED)	\$ 22,716,258.00	7.36%
Environmental Protection Agency (EPA)	\$ 1,660,178.00	0.54%
Health Resources and Services Administration (HRSA)	\$ 7,201,186.00	2.33%
National Institutes of Health (NIH)	\$ 175,908,374.00	56.96%
National Science Foundation (NSF)	\$ 2,349,449.00	0.76%
Organization for Autism Research (OAR)	\$ 340,235.26	0.11%
Patient-Centered Outcomes Research Institute (PCORI)	\$ 1,757,884.04	0.57%
Simons Foundation (SF)	\$ 50,445,044.77	16.33%
TOTAL	\$ 308,840,947.58	100.00%

Percentage of 2013 Funding

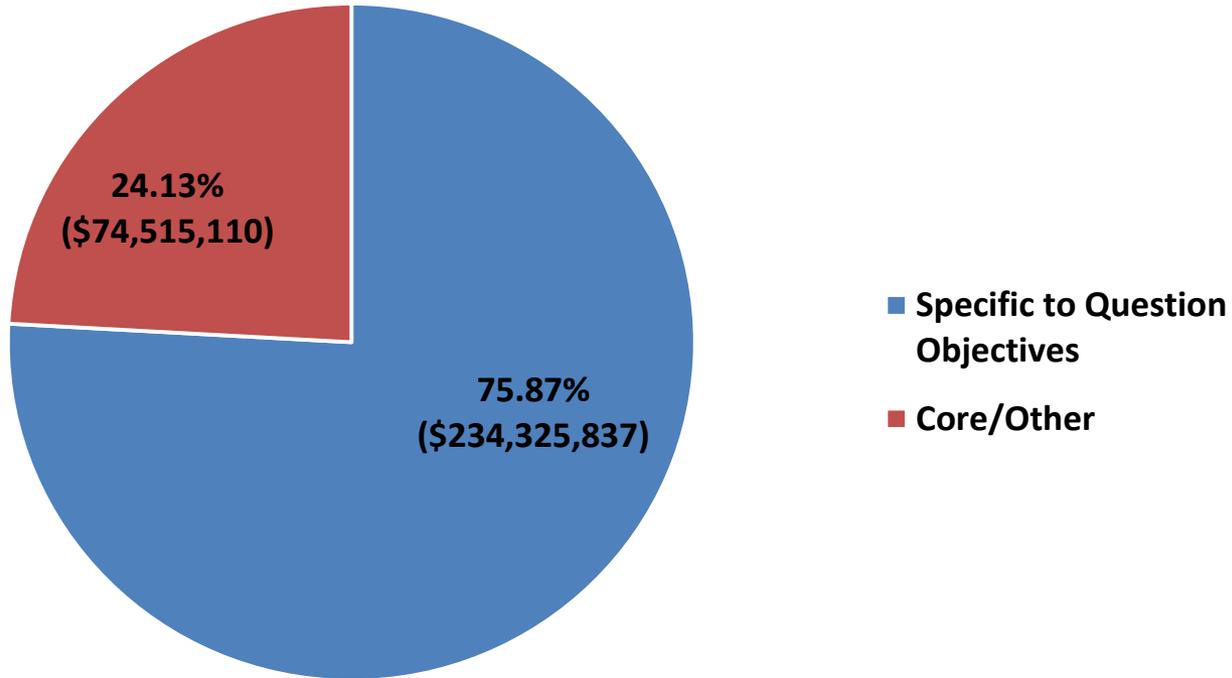


Percentage of 2013 Project Count



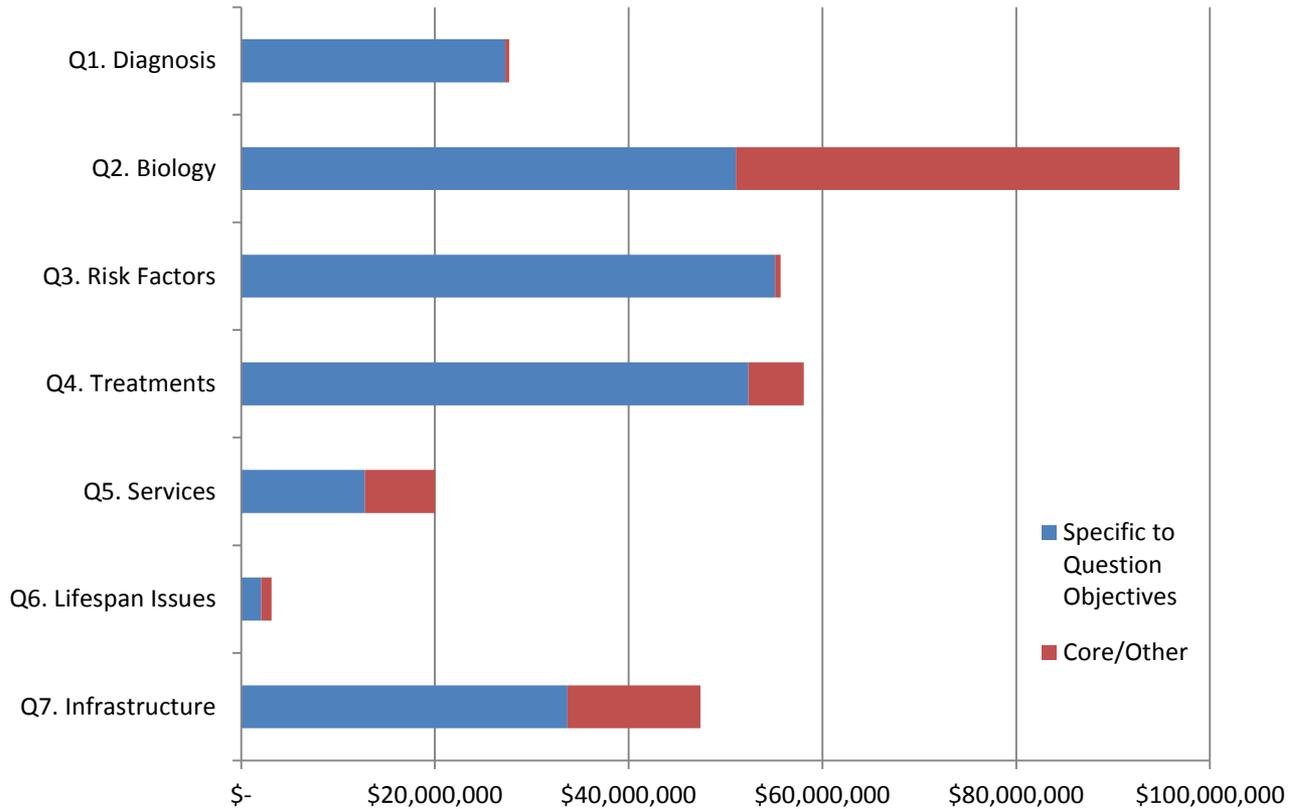
Strategic Plan Question	2013 Funding	Percentage of 2013 Funding	2013 Project Count	Percentage of 2013 Project Count
Question 1: Diagnosis	\$ 27,652,658.19	8.95%	128	9.91%
Question 2: Biology	\$ 96,872,439.13	31.37%	477	36.95%
Question 3: Risk Factors	\$ 55,666,350.95	18.02%	147	11.39%
Question 4: Treatments	\$ 58,065,840.36	18.80%	268	20.76%
Question 5: Services	\$ 20,026,744.18	6.48%	126	9.76%
Question 6: Lifespan	\$ 3,152,885.02	1.02%	28	2.17%
Question 7: Infrastructure	\$ 47,404,029.75	15.35%	117	9.06%
TOTAL	\$ 308,840,947.58	100.00%	1291	100.00%

2013 Funding: Alignment with *IACC Strategic Plan Objectives*



	2013 Funding	Percentage of 2013 Funding
Specific to Question Objectives	\$ 234,325,837.18	75.87%
Core/Other	\$ 74,515,110.40	24.13%
TOTAL	\$ 308,840,947.58	100.00%

2013 Funding: Alignment with *IACC Strategic Plan Objectives* by Question



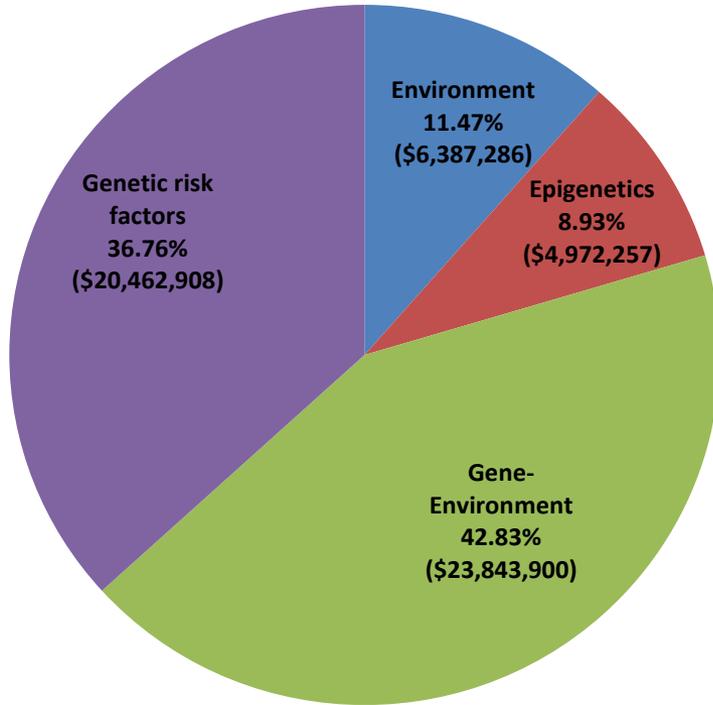
	Q1. Diagnosis	Q2. Biology	Q3. Risk Factors	Q4. Treatments	Q5. Services	Q6. Lifespan Issues	Q7. Infrastructure
Specific to Question Objectives	\$ 27,262,721.19	\$ 51,072,288.33	\$ 55,128,524.95	\$ 52,351,118.36	\$ 12,776,635.18	\$ 2,062,646.42	\$ 33,671,902.75
Core/Other	\$ 389,937.00	\$ 45,800,150.80	\$ 537,826.00	\$ 5,714,722.00	\$ 7,250,109.00	\$ 1,090,238.60	\$ 13,732,127.00
Core/Other (%)	1.41%	47.28%	0.97%	9.84%	36.20%	34.58%	28.97%

Question 3: Risk Factors

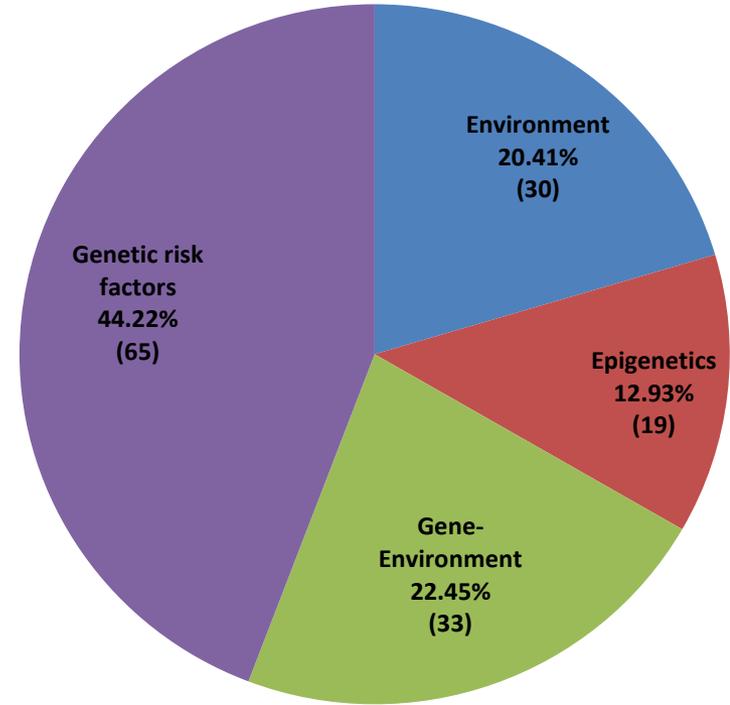
	2013 Funding*	2013 Project Count	Percentage of 2013 Question Funding
Question_3_Risk_Factors	\$ 55,666,350.95	147	100.00%
3SA. Coordinate and implement the inclusion of approximately 20,000 subjects for genome-wide association studies, as well as a sample of 1,200 for sequencing studies to examine more than 50 candidate genes by 2011. Studies should investigate factors contributing to phenotypic variation across individuals that share an identified genetic variant and stratify subjects according to behavioral, cognitive, and clinical features. IACC Recommended Budget: \$43,700,000 over 4 years.	\$ 4,965,928.50	11	8.92%
3SB. Within the highest priority categories of exposures for ASD, identify and standardize at least three measures for identifying markers of environmental exposure in biospecimens by 2011. IACC Recommended Budget: \$3,500,000 over 3 years.	\$ -	2	0.00%
3SC. Initiate efforts to expand existing large case-control and other studies to enhance capabilities for targeted gene – environment research by 2011. IACC Recommended Budget: \$27,800,000 over 5 years.	\$ 4,680,035.85	6	8.41%
3SD. Enhance existing case-control studies to enroll racially and ethnically diverse populations affected by ASD by 2011. IACC Recommended Budget: \$3,300,000 over 5 years.	\$ 3,168,451.00	2	5.69%
3SE. Support at least two studies to determine if there are subpopulations that are more susceptible to environmental exposures (e.g., immune challenges related to infections, vaccinations, or underlying autoimmune problems) by 2012. IACC Recommended Budget: \$8,000,000 over 2 years.	\$ 282,300.00	7	0.51%
3SF. Initiate studies on at least 10 environmental factors identified in the recommendations from the 2007 IOM report “Autism and the Environment: Challenges and Opportunities for Research” as potential causes of ASD by 2012. Estimated cost: \$56,000,000 over 2 years.	\$ -	1	0.00%
3SG. Convene a workshop that explores the usefulness of bioinformatic approaches to identify environmental risk factors for ASD by 2011. IACC Recommended Budget: \$35,000 over 1 year. (This objective was completed in 2011.)	\$ -	0	0.00%
3SH. Support at least three studies of special populations or use existing databases to inform our understanding of environmental risk factors for ASD in pregnancy and the early postnatal period by 2012. Such studies could include: <ul style="list-style-type: none"> o Comparisons of populations differing in geography, gender, ethnic background, exposure history (e.g., prematurity, maternal infection, nutritional deficiencies, toxins), and migration patterns; and o Comparisons of phenotype (e.g., cytokine profiles), in children with and without a history of autistic regression, adverse events following immunization (such as fever and seizures), and mitochondrial impairment. These studies may also include comparisons of phenotype between children with regressive ASD and their siblings. Emphasis on environmental factors that influence prenatal and early postnatal development is particularly of high priority. Epidemiological studies should pay special attention to include racially and ethnically diverse populations. IACC Recommended Budget: \$12,000,000 over 5 years.	\$ 5,137,710.50	12	9.23%
3SI. Support at least two studies that examine potential differences in the microbiome of individuals with ASD versus comparison groups by 2012. IACC Recommended Budget: \$1,000,000 over 2 years.	\$ 960,390.75	8	1.73%
3SJ. Support at least three studies that focus on the role of epigenetics in the etiology of ASD, including studies that include assays to measure DNA methylations and histone modifications and those exploring how exposures may act on maternal or paternal genomes via epigenetic mechanisms to alter gene expression, by 2012. IACC Recommended Budget: \$20,000,000 over 5 years.	\$ 4,972,257.30	19	8.93%
3SK. Support two studies and a workshop that facilitate the development of vertebrate and invertebrate model systems for the exploration of environmental risks and their interaction with gender and genetic susceptibilities for ASD by 2012. IACC Recommended Budget: \$1,535,000 over 3 years.	\$ -	3	0.00%
3LA. Conduct a multi-site study of the subsequent pregnancies of 1,000 women with a child with ASD to assess the impact of environmental factors in a period most relevant to the progression of ASD by 2014. IACC Recommended Budget: \$11,100,000 over 5 years.	\$ 411,571.00	2	0.74%
3LB. Identify genetic risk factors in at least 50% of people with ASD by 2014. IACC Recommended Budget: \$33,900,000 over 6 years.	\$ 12,260,187.19	51	22.02%
3LC. Determine the effect of at least five environmental factors on the risk for subtypes of ASD in the pre- and early postnatal period of development by 2015. IACC Recommended Budget: \$25,100,000 over 7 years.	\$ 489,999.86	4	0.88%
3LD. Support ancillary studies within one or more large-scale, population-based surveillance and epidemiological studies, including U.S. populations, to collect data on environmental factors during preconception, and during prenatal and early postnatal development, as well as genetic data, that could be pooled (as needed), to analyze targets for potential gene/environment interactions by 2015. IACC Recommended Budget: \$44,400,000 over 5 years.	\$ 17,799,693.00	15	31.98%
3O. Not specific to Question 3 objectives	\$ 537,826.00	4	0.97%

*Any objective colored **green** has funding which is greater than or equal to the recommended funding for the year (determined by annualizing the recommended budget associated with that objective); any objective colored **yellow** has active projects, but with funding that totals less than the annualized recommended amount, while any objective colored **red** has no active projects and received no funding in 2013. Objectives whose overarching aim (e.g., the ultimate goal of the research) was achieved in a previous year are colored pale green.

Question 3 – Percentage of 2013 Funding by Subcategory



Question 3 – Percentage of 2013 Project Count by Subcategory



Question 3: Risk Factors	2013 Funding	Percentage of 2013 Funding	2013 Project Count	Percentage of 2013 Project Count
Environment	\$ 6,387,286.36	11.47%	30	20.41%
Epigenetics	\$ 4,972,257.30	8.93%	19	12.93%
Gene-Environment	\$ 23,843,899.60	42.83%	33	22.45%
Genetic risk factors	\$ 20,462,907.69	36.76%	65	44.22%
TOTAL	\$ 55,666,350.95	100.00%	147	100.00%