

# An International Autism Portfolio Analysis by United States, United Kingdom, and Canada

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AUTISM RESEARCH  
COORDINATION  
.....  
NATIONAL INSTITUTES OF HEALTH

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Autistica

# International Portfolio Analysis

## Goals & Background

Goal: Provide a current snapshot of ASD research in the United States, the United Kingdom, and Canada

- Comparison of portfolios across countries
  - Areas of research emphasis
  - Gaps in funding across portfolios

Lead organizations for the project:

- United States: Office of Autism Research Coordination (OARC), National Institutes of Health
- United Kingdom: Autistica
- Canada: Canadian Institutes of Health Research (CIHR)

# United States: Interagency Autism Coordinating Committee (IACC)

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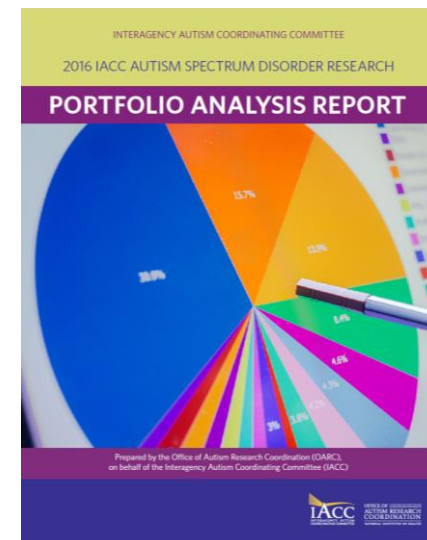
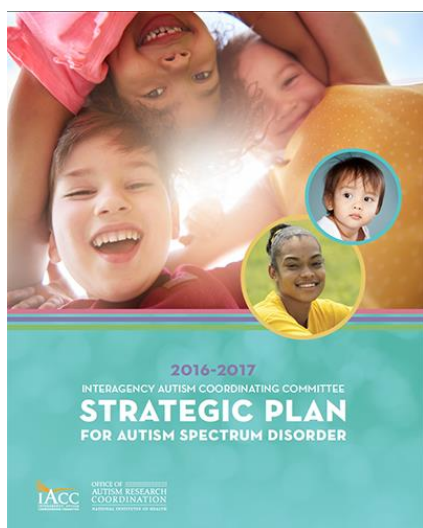
- Coordinates U.S. government ASD efforts and provides advice on ASD issues
- Includes both government and public members
- Provides a forum for public discussion of ASD issues
- Develops and annually updates a Strategic Plan for ASD
- Develops an annual summary of advances in ASD research
- Monitors government activities related to ASD



# United States: Office of Autism Research Coordination (OARC)

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- Manage the IACC and ensure that statutory requirements are met
- Facilitate coordination and collaboration among agencies
- Serve as a point of contact for advocacy organizations and members of the public
- Prepare reports on behalf of IACC and HHS
- Conduct government-wide portfolio data collection and analysis



# United Kingdom: Autistica

- The UK's leading autism research charity
  - Funds and promotes groundbreaking medical research
  - Improves understanding of autism
  - Advances new therapies and interventions
- Research strategy is driven by the views of the autism community
- Autistica's vision is to give everyone affected by autism the chance of a long, happy, healthy life

# AUTISTICA

Building brighter futures through autism research

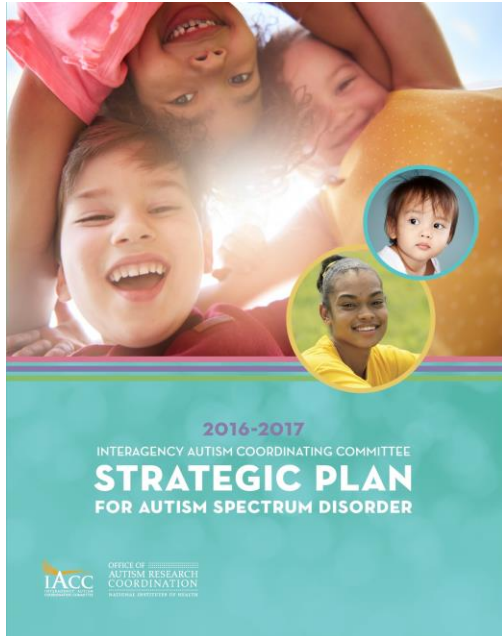
# Canada: Canadian Institutes of Health Research (CIHR)

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- Canada's government funding agency for health research
- Composed of 13 institutes
- CIHR collaborates with partners and researchers to support the discoveries and innovations that improve health and strengthen Canada's health care system



# 2016-2017 IACC Strategic Plan



- Provides a blueprint to guide autism-related efforts across U.S. government agencies and partner private organizations.
- The IACC SP is organized around 7 research topics:
  - Screening and Diagnosis
  - Underlying Biology
  - Risk Factors
  - Treatments and Interventions
  - Services
  - Lifespan Issues
  - Infrastructure and Surveillance

- Data Collection
  - U.K.: collected data from a national research database
  - U.S. & Canada: collected data via data call to agencies and organizations
- Funding Mechanisms
  - U.K.: projects are funded in the first year of the project period
  - U.S. & Canada: project funding is mixed, some projects receive all funding in first year while other projects receive funding annually



# International Portfolio Analysis

## Agencies and Organizations

<b>Canada</b>
Brain Canada Foundation
Canadian Institutes of Health Research
Ontario Brain Institute

<b>United States</b>	
Administration for Community Living	Agency for Healthcare Research and Quality
Autism Research Institute	Autism Science Foundation
Autism Speaks	Brain & Behavior Research Foundation
Center for Autism and Related Disorders	Centers for Disease Control and Prevention
Department of Education	Department of Defense
Environmental Protection Agency	Health Resources and Services Administration
New England Center for Children	National Institutes of Health
National Science Foundation	Organization for Autism Research
Patient-Centered Outcomes Research Institute	Simons Foundation

<b>United Kingdom</b>
Autistica
British Academy
Economic and Social Research Council
Engineering and Physical Sciences Research Council
Innovate UK
Medical Research Council
National Institute for Health Research
Wellcome Trust

# International Portfolio Analysis

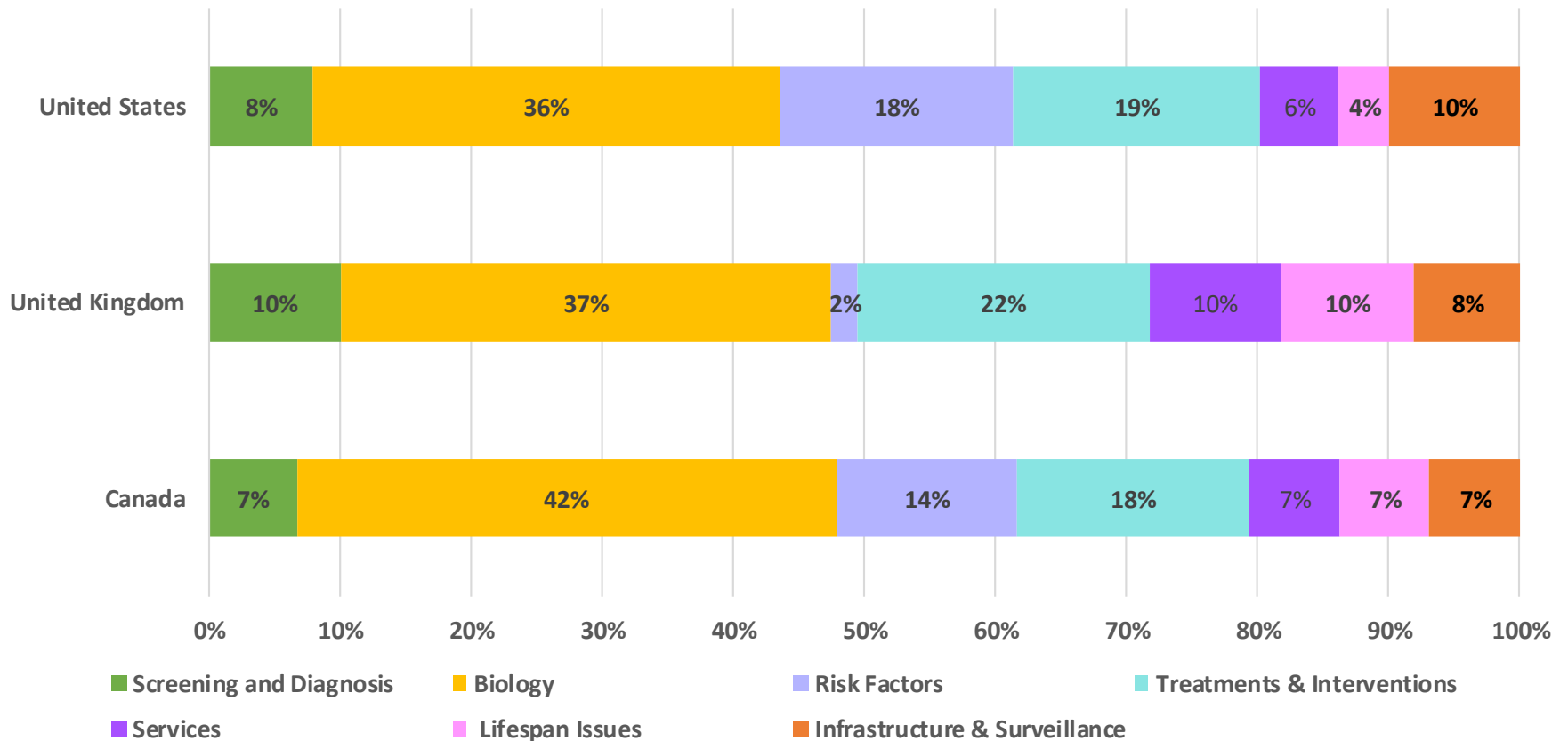
## 2016 ASD Research Total Funding and Project Counts by Country

Country	Funding Amount (U.S. Dollars)	Project Count
Canada	\$16,802,697	74
United Kingdom	\$7,315,242	59
United States	\$364,813,026	1359
<b>Grand Total</b>	<b>\$388,930,965</b>	<b>1492</b>

# International Portfolio Analysis

## Preliminary Data

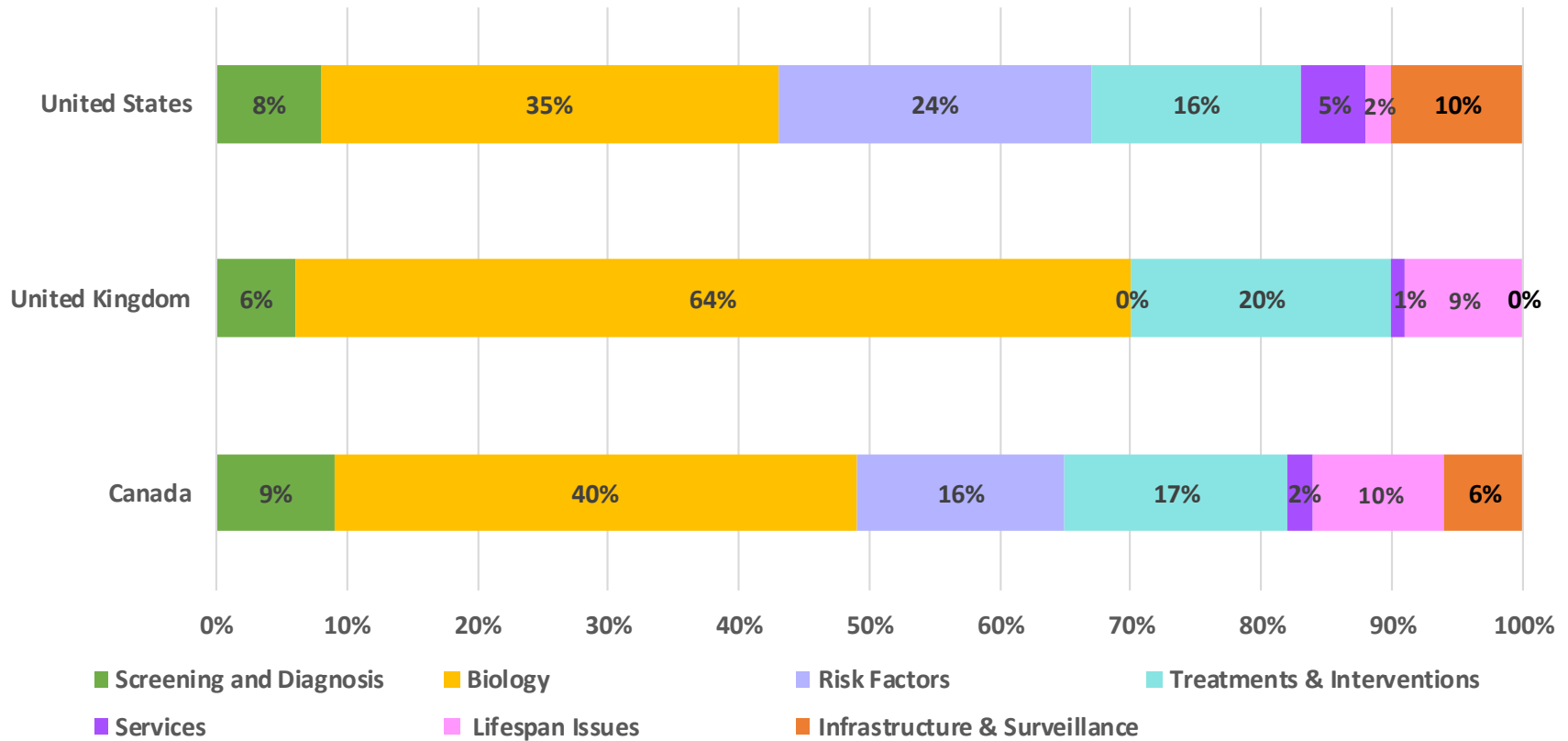
2016  
Percentage of Total ASD Projects by *IACC Strategic Plan* Topic According to Country



# International Portfolio Analysis

## Preliminary Data

2016  
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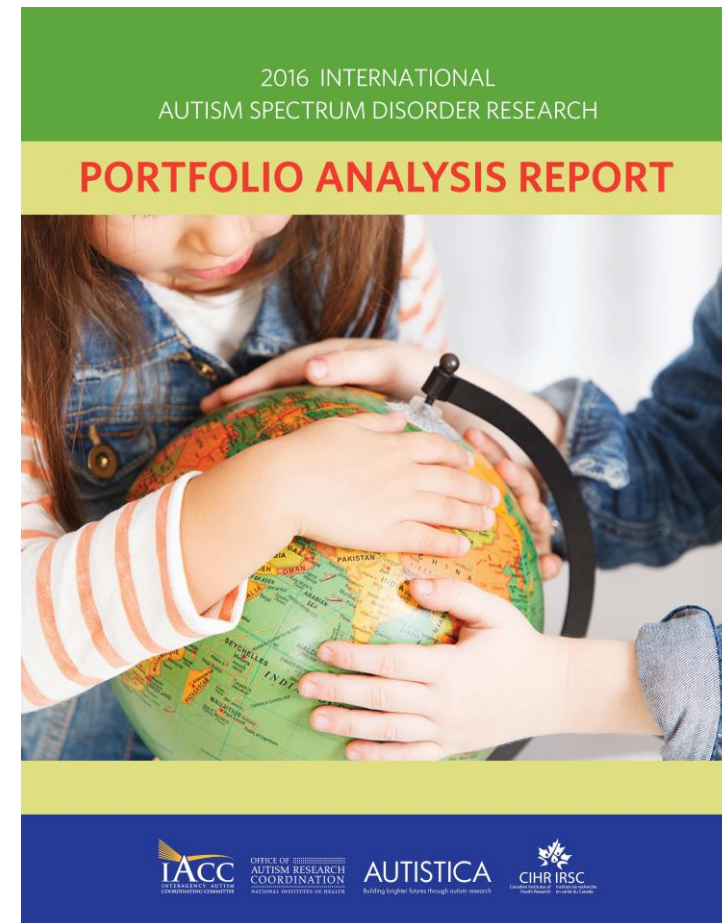
# International Portfolio Analysis

## Comparisons Across Countries

- In 2016, the three portfolios had similar investments in research topic areas
- Top areas of ASD Research across Country Portfolios:
  - Underlying Biology of ASD
  - Treatments and Interventions for ASD symptoms
- Gap Areas across Country Portfolios:
  - Services research
  - Lifespan Issues
- Differences in funding priorities across countries:
  - US and Canada have larger investments in risk factors research than the UK
  - Lifespan research was a greater portion of projects in UK and Canada than the US

# Goals for International Portfolio Analysis

- International Portfolio Analysis Report by **Fall 2018**
- Analyses will shed light on international trends in ASD research funding
- Report will provide a deeper dive into differences in the types of research across countries



# International Portfolio Analysis CALL TO ACTION

We invite broad international participation in  
future additions of the report

For more information or requests for future  
participation, please contact:

**[IACCPublicInquiries@mail.nih.gov](mailto:IACCPublicInquiries@mail.nih.gov)**



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  - Susan Daniels, PhD
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  - Georgina Warner, PhD
- **Canadian Institutes of Health Research (CIHR)**
  - Carolina Koutras, PhD



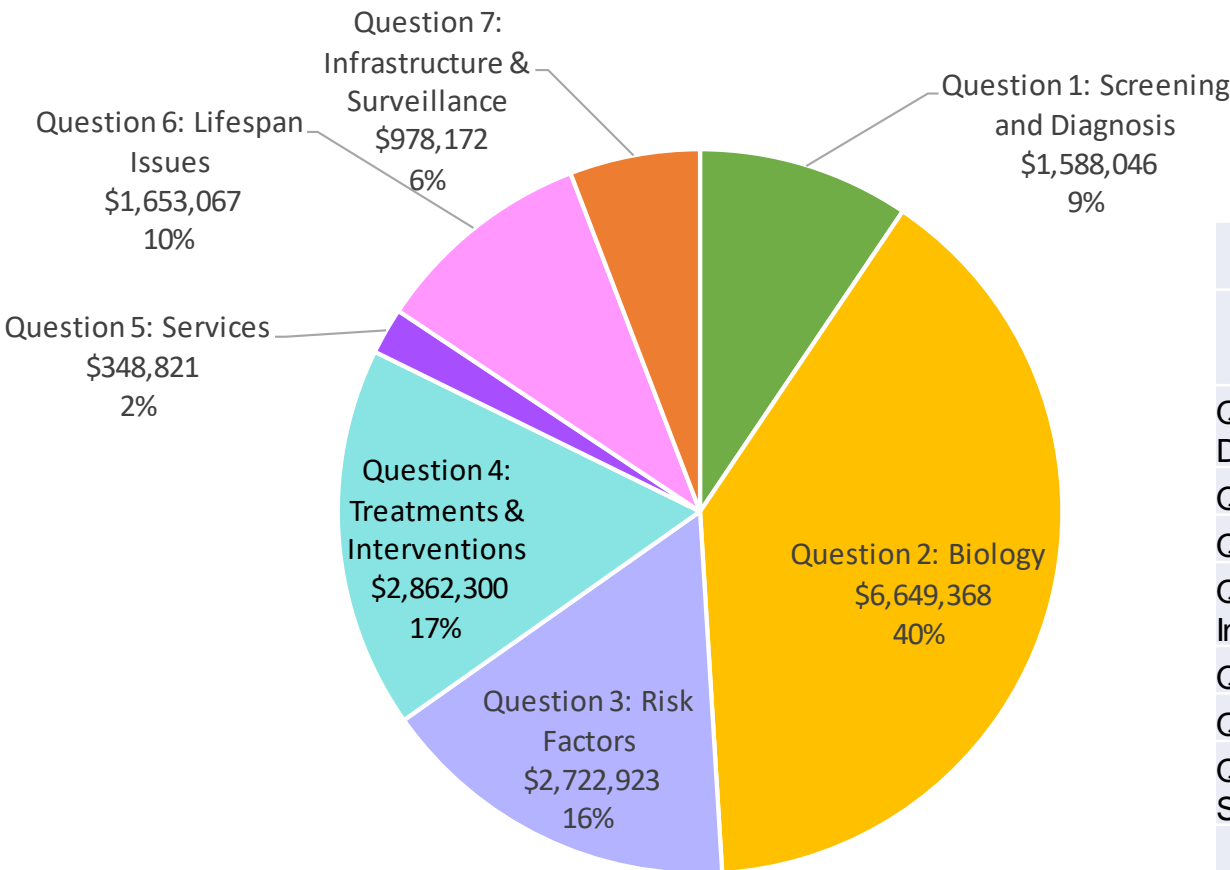


## **ADDITIONAL SLIDES**

# International Portfolio Analysis

## Canada

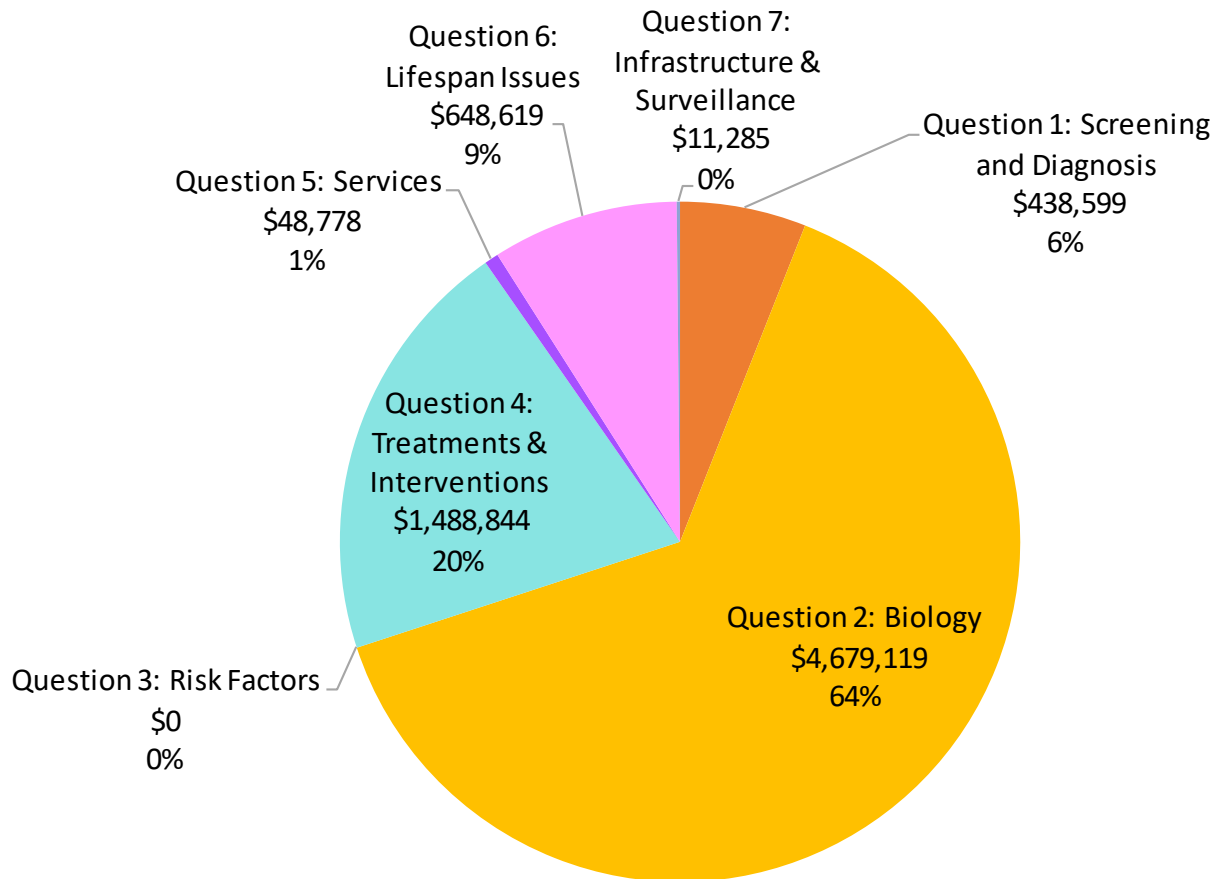
### ASD Research Funding by IACC Strategic Plan Question



Canada	
Strategic Plan Question	Project Count
Question 1: Screening & Diagnosis	5
Question 2: Biology	31
Question 3: Risk Factors	10
Question 4: Treatments & Interventions	13
Question 5: Services	5
Question 6: Lifespan Issues	5
Question 7: Infrastructure & Surveillance	5
<b>Total</b>	<b>74</b>

# International Portfolio Analysis

## United Kingdom ASD Research Funding by IACC Strategic Plan Question

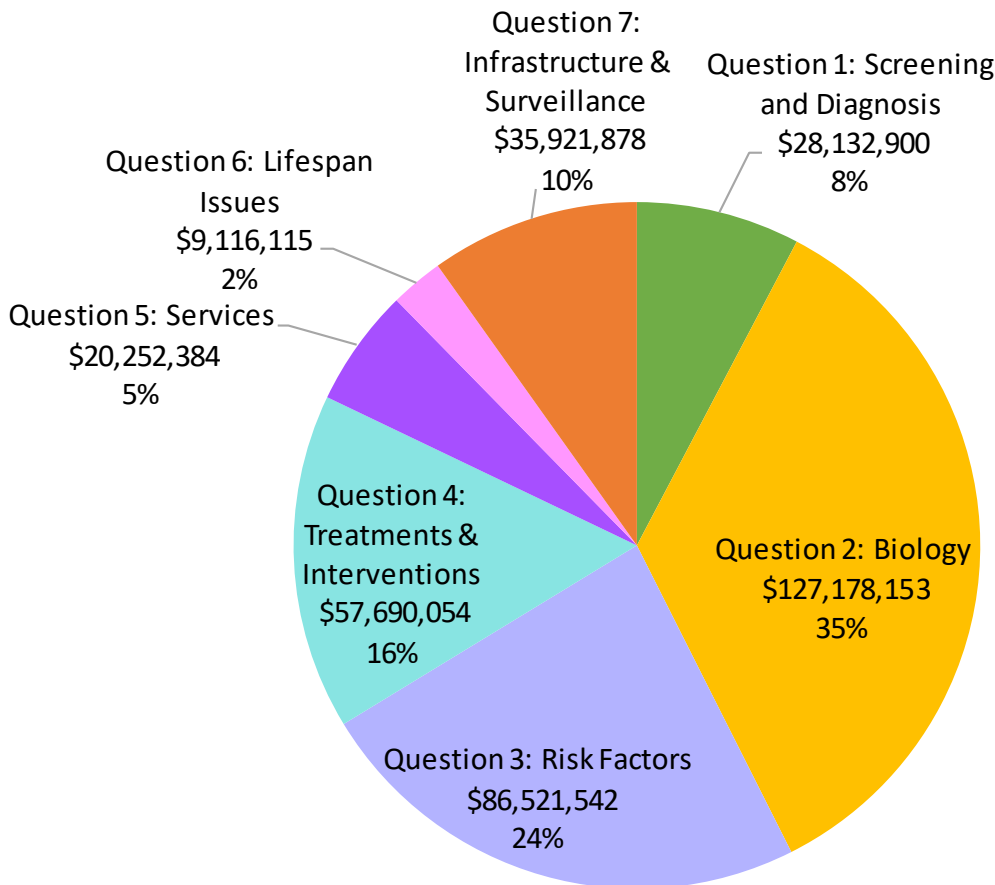


United Kingdom	
Strategic Plan Question	Project Count
Question 1: Screening & Diagnosis	6
Question 2: Biology	22
Question 3: Risk Factors	1
Question 4: Treatments & Interventions	13
Question 5: Services	6
Question 6: Lifespan Issues	6
Question 7: Infrastructure & Surveillance	5
<b>Total</b>	<b>59</b>

# International Portfolio Analysis

## United States

### ASD Research Funding by IACC Strategic Plan Question



United States	
Strategic Plan Question	Project Count
Question 1: Screening & Diagnosis	107
Question 2: Biology	490
Question 3: Risk Factors	239
Question 4: Treatments & Interventions	256
Question 5: Services	85
Question 6: Lifespan Issues	48
Question 7: Infrastructure & Surveillance	134
<b>Total</b>	<b>1359</b>