AUTISM APPEARS IN THE FIRST 3 YEARS OF LIFE, AND AFFECTS THE BRAIN’S DEVELOPMENT OF SOCIAL AND COMMUNICATION SKILLS
$137 billion

$2.4 million

Center for Disease Control and Prevention
MISDIAGNOSIS
IMPACT OF DIAGNOSIS

EARLY DIAGNOSIS

EARLY INTERVENTION

BETTER FUTURE

National Center for Biotechnology Information
How might we help reduce the time spent in detecting autism and improve the accuracy of the diagnosis?

How might we rise to the challenge of designing for a billion sensors to create life changing technologies?
DIAGNOSTIC PROCESS
Repetitive behavior: stimming

Avoiding eye contact

Communication challenges
DETECTION TOOLS

Eye Tracking
University of California - The Autism Center of Excellence

Computer Vision
University of Minnesota
TREATMENT TOOLS

PLEO

AUTI

KEEPON

UBOOLY
OPPORTUNITIES

DIAGNOSTIC TOOL

TREATMENT TOY
Repetitive Behavior

Avoiding Eye Contact

Communication Challenges
CONSIDERATIONS

Data collection
Clinical testing
Funding
POSSIBILITIES

Modular

Aggregate data

New applications
Mirror

Wheels

1st Generation

2nd Generation

Future Generation