

NASEM Committee for the Assessment of NIH Research on Autoimmune Diseases

Overview of NIH Funding for Autoimmune Disease Research

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NIH Reporting on Medical Research

- **In 2006: Congress mandated that NIH develop a comprehensive and transparent public reporting system**
 - At that time, each NIH Institute/Center employed its own system to report medical research funding
- **FY 2008: NIH implemented Research, Condition, Disease Categorization (RCDC)**
 - Improved consistency and transparency
 - Official NIH spending figures
 - Computerized reporting process
- **FY 2019: 292 publicly reported categories**

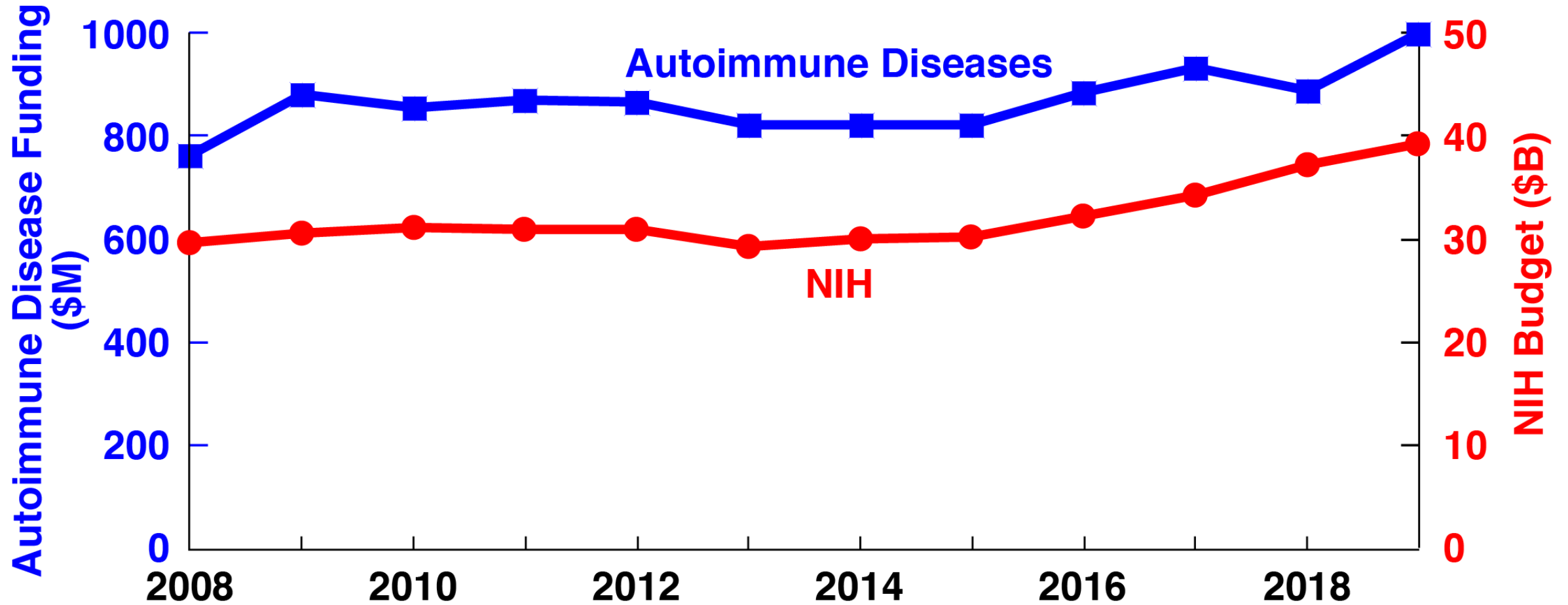
FY 2019 Autoimmune Disease RCDC Category

- **Autoimmune disease “parent” category – total \$988M**
 - **Includes “children” subcategories that are individual autoimmune diseases of Congressional/NIH/public interest**
 - **Inflammatory bowel disease - \$163M**
 - **Includes Crohn’s disease (a child of IBD) - \$76M**
 - **Lupus - \$121M**
 - **Multiple sclerosis - \$111M**
 - **Rheumatoid arthritis - \$94M**
 - **Scleroderma - \$24M**
 - **Psoriasis - \$16M**
 - **Myasthenia gravis - \$5M**
 - **All other autoimmune disease research at NIH**

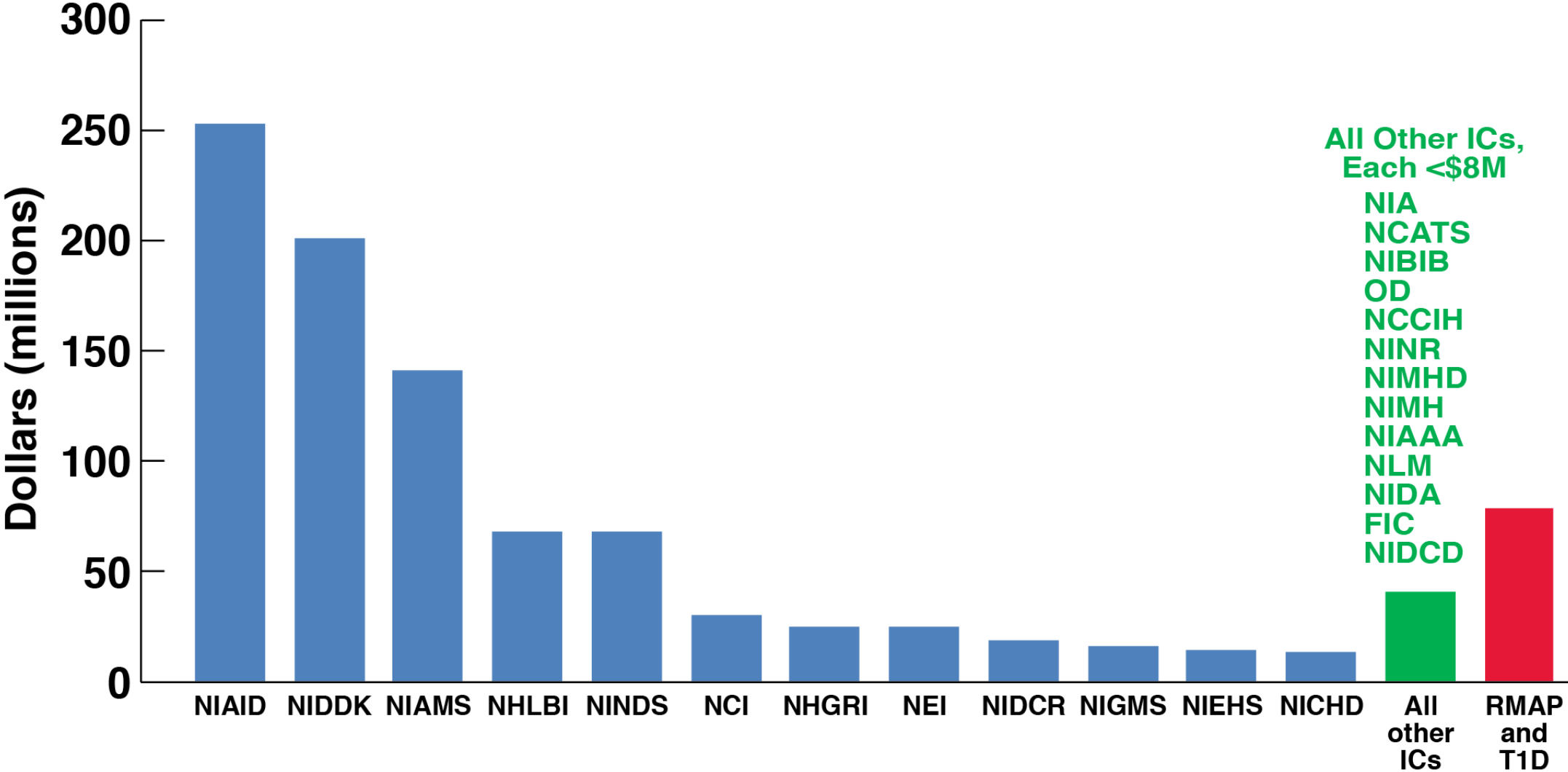
RCDC Caveats to Consider

- **RCDC does not prorate research in grants and contracts**
- **Many well-know autoimmune diseases do not have their own child RCDC category, e.g., Type 1 diabetes, Sjögren's syndrome, Celiac disease**

NIH Autoimmune Disease Funding Trend: FY 2008 - FY 2109 (compared to NIH Budget)



FY 2019 Autoimmune Disease Funding by Institute or Center (IC)



FY 2019 Mechanisms and Funding

■ \$988M: Intramural = \$137M (14%) and Extramural = \$851M (86%)

■ Extramural breakdown

Mechanism Type	#	\$ (M)	% of total EM funding
R01	972	443	57%
R21	192	43	
All P	76	52	26%
U01	61	69	
All other U	68	102	
F, T, K (Training/Career)	308	40	5%
All other R	205	85	12%
All other grant types	15	13	
Contracts	5	4	

Extramural Research: Solicited vs Unsolicited

■ Solicited research

- NIH drives some research activities to address scientific gaps or specific needs, for example clinical trial networks**
- Collaborative process to develop trans-NIH solicited research**

■ Unsolicited research

- Investigator-initiated research where the science drives the research**