# 30 MILLION CONSUMERS

HAVE TAKEN DTC GENETIC TESTS

1 IN 10 AMERICANS WILL HAVE TAKEN A GENETIC TEST BY 2020



# TESTS COMPLETED

MANY WITH ACTIONABLE GENES AND/OR FDA

### PEOPLE OF EUROPEAN DESCENT

**10%** 

OF THE WORLD'S POPULATION

78%!!!!!

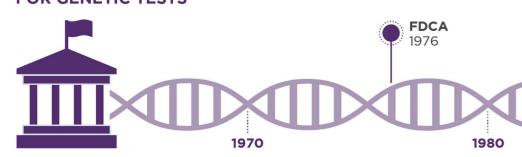
OF GENETIC STUDY PARTICIPANTS

POPULATIONS NOT OF EUROPEAN DESCENT REMAIN LARGELY UNDERREPRESENTED IN BIOMEDICAL RESEARCH

## **>268,000** PARTICIPANTS

OUT OF THE ONE MILLION PERSON TARGET HAVE ENROLLED IN THE ALL OF US RESEARCH PROGRAM

LEGISLATIVE, LEGAL AND REGULATORY LANDSCAPE FOR GENETIC TESTS



# AMARICAN MEDICAL **ASSOCIATION DRIVING THE FUTURE** PRECISION

CLIA

1988

1990

**HIPAA** 

2000

1996

**NYSDOH** 

2005

#### **AMA Precision Medicine Efforts**







S YEARS OF RESEARCH

CME EDUCATIONAL COURSES

# OVER 75,000 GENETIC TESTS

10 NEW TESTS ARE INTRODUCED PER DAY, ALONG WITH GROWTH IN PRIOR AUTHORIZATION

# EXPECTED FINDINGS <

FROM GENOMIC SCREENING IN HEALTHY POPULATIONS



HAVE CLINICALLY ACTIONABLE OR PATHOGENIC VARIANTS



GENES HAVE AUTOSOMAL DOMINANT INHERITANCE, IMPACTING CASCADE SCREENING



HAVE FINDINGS OF NOTE CONSIDERED 'NONACTIONABLE'

2010



ARE CARRIERS OF INHERITED AUTOSOMAL RECESSIVE DISORDERS



HAVE ACTIONABLE PHARMACOGENOMIC VARIANTS

2020

