

# LEADERS' ROUNDTABLE ON THE FUTURE OF GENOMICS IN CANADA

OCT 5, 2021 - 2ND ROUNDTABLE

ON THE ACCELERATION OF POLITICAL AND STRATEGIC BUY-IN

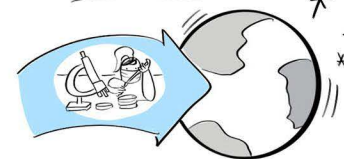
GENOMICS - DRIVING BETTER HEALTH OUTCOMES

- EARLIER / MORE PRECISE DIAGNOSIS
- MORE EFFECTIVE TREATMENTS
- FEWER ADVERSE REACTIONS
- PREVENTATIVE APPROACHES



DR. CATALINA LOPEZ-CORREA  
CSO, GENOME CANADA

THE ONLY WAY WE CAN SOLVE SOCIETY'S BIGGEST PROBLEMS IS BY WORKING TOGETHER



COVID-19 HAS TAKEN GENOMICS OUT OF THE LAB and into the WORLD!!!



DAME SUE HILL

CSO FOR ENGLAND & SR RESPONSIBLE OFFICER FOR GENOMICS, NHS ENGLAND



GENOMICS ECOSYSTEM



PERSONALIZED CARE

POPULATION HEALTH

PROOF OF CONCEPT

GENOME UK

ADOPT AT SCALE

FEATURES

LONG-TERM PLANNING

WORKING AT SYSTEMS LEVEL

NATIONAL LEVEL STANDARDIZATION

COMPLEX but PURPOSEFUL GOVERNANCE

STRATEGIC AREAS

- DIAGNOSIS
- PREVENTION
- RESEARCH

- COORDINATED
- DECISION-MAKING POLICY
  - OPERATIONS

NATIONAL GENOMIC TEST DIRECTORY

- STRATEGY
- EVIDENCE
- INVESTMENT & OVERSIGHT

100,000+ GENOMES PROJECT

WHOLE GENOME SEQUENCING

20% DIAGNOSTIC YIELD IN RARE DISEASE

ABLE TO IDENTIFY

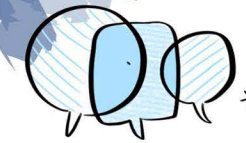
KEY ISSUES

Q & A

LESSONS LEARNED:



DATA STANDARDS - CRITICALLY IMPORTANT



PUBLIC ENGAGEMENT IN ALL STRATEGIES \* \* \* \* \*

LET IT BE SEPT 30 EVERYDAY IN YOUR HEART

LOOK - AT THE REALITIES



ELDER CLAUDETTE COMMANDA

ONE WHO SHARES

LISTEN - TO OUR ANCESTRAL KNOWLEDGE  
KNOWLEDGE KEEPER  
KNOWLEDGE HOLDER

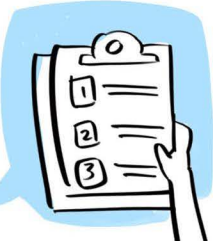
THE GOOD LIFE

- ONE HEALTH
- SHARING
- COMMUNITY OF KNOWLEDGE
- THE FUTURE to the 7th GENERATION
- OPEN MINDS OPEN HEARTS



OUR PROOF OF CONCEPT WORK REALLY BROUGHT PEOPLE TOGETHER

PUBLIC DIALOGUE INFORMED CHOICE



PRIORITY SETTING  
CLEAR CRITERIA FOR TESTING  
PATIENT-CENTRED  
E V E R Y T H I N G

EQUITY & DIVERSITY IN DATA COLLECTION



WORK IN PROGRESS...

WANT TO MOVE TO MORE CROSS-SECTORAL COLLABORATION