

# One test. Big picture. Brighter futures.

GeneDx (Nasdaq: WGS)

April 29, 2024

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#### WGS 1Q 2024 Results



First quarter 2024 revenue from continuing operations<sup>1</sup> of \$61.5M with 96% year-over-year revenue growth for exome and genome test revenue



First quarter 2024 adjusted gross margins<sup>2</sup> for continuing operations of 61%



Eight consecutive quarter of cash burn decline: first quarter 2024 was \$17M Ending March 31, 2024 cash, cash equivalents, marketable securities and restricted cash position of \$113.9 million



Reiterating the path to profitability in 2025



<sup>1</sup> Results from continuing operations include exclude the results of the exited Legacy Sema4 diagnostic testing business. Total companyresults include GeneDx's continuing operations and the financial impacts of exited Legacy Sema4 business activities.

#### **Updating 2024 Guidance**

- Drive full year 2024 revenues between \$235 to \$245 million (previously \$220-230 million)
- Expand full year 2024 adjusted gross margin profile to at least 60% (previously at least 50%)
- Use \$70 to \$80 million of net cash for full year 2024 (previously \$75-80 million)
  - Turn profitable in 2025 (no change)



#### Revenue - strong growth driven by high value whole exome and genome

Increase in 1Q24 exome/genome test result volume year-over-year; +6% sequentially

\$61.5M	First quarter 2024 revenue from continuing operations <sup>1</sup>

Revenue <sup>1</sup>	Q1 2024
Revenue from continuing operations	\$61.5M
Growth year-over-year	51%
Growth sequentially	6%

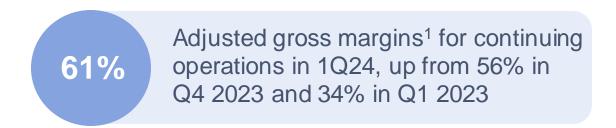
Exome and genome test revenue	\$44.0M
Growth year-over-year	96%
Growth sequentially	12%

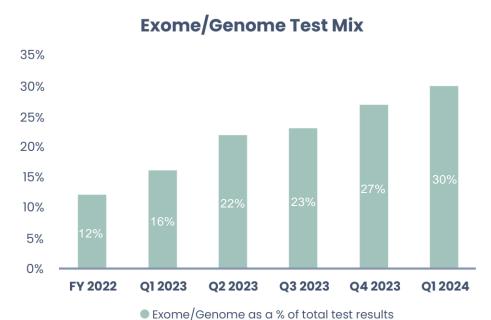


#### Gross profit – expansion driven by mix shift, cost per test reductions

Exome/genome can be the best test for patients. They are also best for our business.







Adj. Gross Profit for continuing operations	1Q24	QoQ Sequential	YoY
Adj. Gross Profit <sup>1</sup>	\$37.4M	+15%	+169%
Adj. Gross Margin %1	61%	+489bps	+2,671bps



#### Cash - Balance sheet bolstered to execute growth strategy



Cash, cash equivalents, marketable securities and restricted cash on hand March 31, 2024



Net use of cash for the total company in Q1



Improvement in total company net cash burn rate year-over-year; improved 48% sequentially

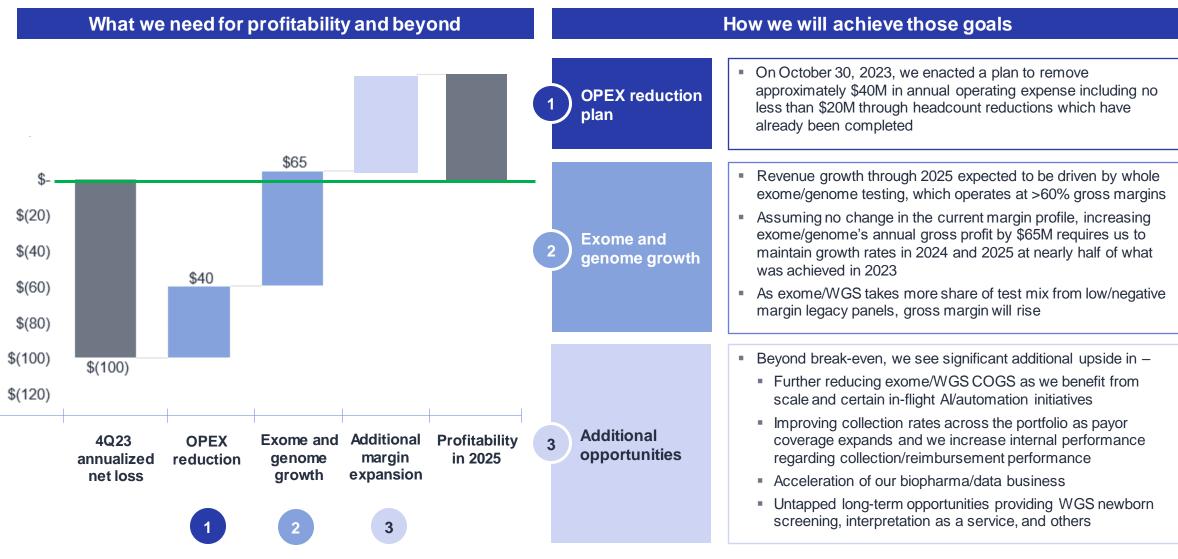


Consecutive quarters of cash burn reduction since acquiring GeneDx



<sup>1</sup> An additional \$25Min debt capacity is contingently available to use under the five-year senior secured credit facility with Perceptive Advisors entered into on October 27, 2023. The agreement provides access of up to \$75 million, consisting of an initial tranche of \$50 million, which has been drawn, and a subsequent tranche of \$25 million is available – at the Company's option, subject to certain timelines and other defined criteria.

#### Our path to profitability and beyond





# One test. Big picture. Brighter futures.



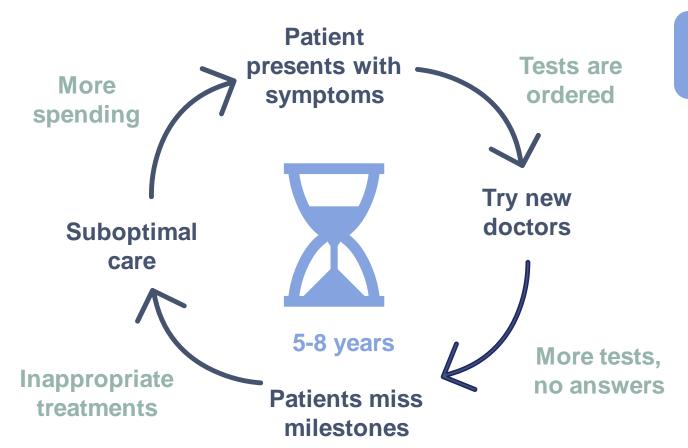
### Appendix



# GeneDx is a leader in improving health outcomes through genomic insights.



### The problem: Lack of genomic data can lead to a cycle of misdiagnosis and suboptimal care



#### Missed diagnoses impact everyone

#### **Patients/Caregivers**

- Inappropriate treatments and delayed care
- Suffering

#### **Healthcare systems**

- Increased costs and burden
- Missed opportunities to develop treatments

#### **Providers**

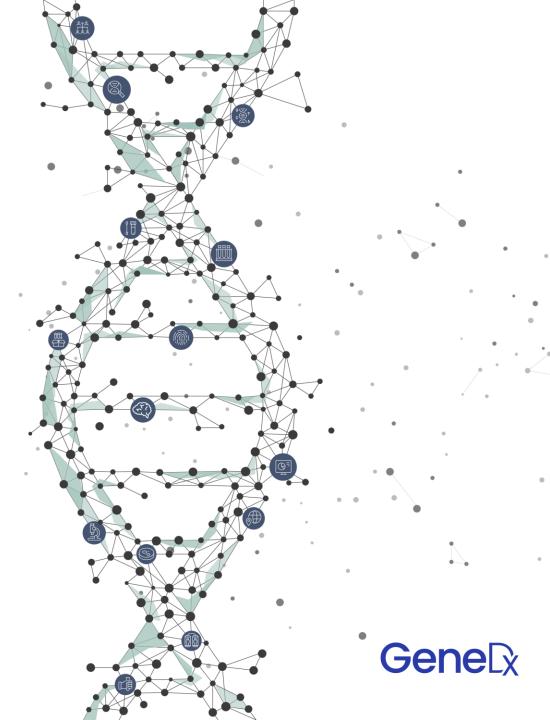
- Stress from continued patient suffering
- Inconclusive diagnoses



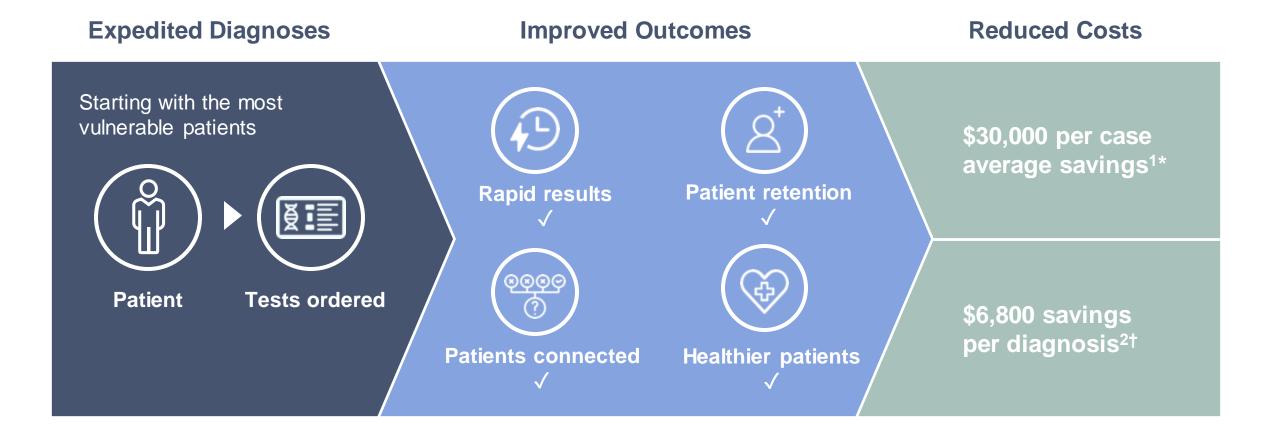
### GeneDx offers leading exome and genome products

Translating complex genomic data into definitive diagnoses for patients

- Genome sequencing Analyzes the entirety of an individual's DNA, which is known as the genome. The genome includes ~20,000 genes.
- **Exome sequencing** Analyzes the protein coding regions of the ~20,000 genes in an individual's genome, which is known as the exome. The exome is thought to contain a majority of disease-causing genetic variants.



#### Exome sequencing can break the cycle of misdiagnosis and uncertainty





<sup>\*</sup>In the NICU from reduced length of stay, unnecessary care (inpatient).

†When tested at first tertiary presentation for Pediatric Delay Disorder (outpatient).

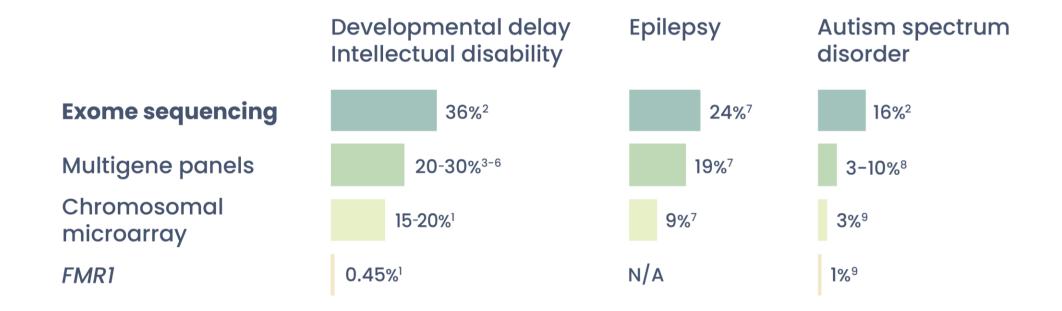
#### Changing the perception of exome and genome sequencing

GeneDx has spent over a decade solving for limitations of the past and differentiating our products

Then GeneDx Now "These tests take months to get results" "I can get results in days to weeks" Turnaround time "Tests are affordable and widely covered" "These tests are wildly expensive" Cost "Results are confusing and filled "My patient can get a definitive diagnosis" with useless information" Interpretation



#### Exome sequencing offers greater diagnostic yields vs. other technologies



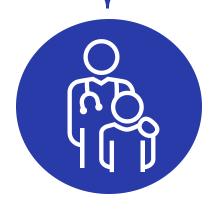


## GeneDx is positioned to enable a data-informed future for healthcare.



#### New market expansion enables us to serve more patients

GeneDx is starting with a focus on rare disease and pediatrics and then expanding into larger markets



Rare Disease & Pediatrics: \$3B

Rapidly growing patient opportunity and substantial cost savings via early screening



Newborn Screening: \$10B

Currently participating in studies to evaluate exome and genome sequencing at birth



Adults: \$16B

Expanding into adult markets to replace multi-gene panel and individual gene tests

Conservatively, our total addressable market is ~\$30 billion.\*



#### We're focused on the Rare Disease & Pediatrics market today



Rare Disease & Pediatrics: \$3B

Rapidly growing patient opportunity and substantial cost savings via early screening

#### Inpatient

#### **Target Clinicians:**

- Geneticists
- Neonatologists

#### **Products:**

Primarily rapid whole genome sequencing

#### **Primary Clinical Indications:**

- Unexplained critical illness
- o Congenital anomalies

Inpatient ~1/3 of TAM

**Outpatient** 

~2/3 of TAM

#### Outpatient

#### **Target Clinicians:**

- Geneticists
- Pediatric Neurologists
- Developmental Pediatricians
- o Pediatricians (long-term)

#### **Products:**

Primarily exome and growing genome

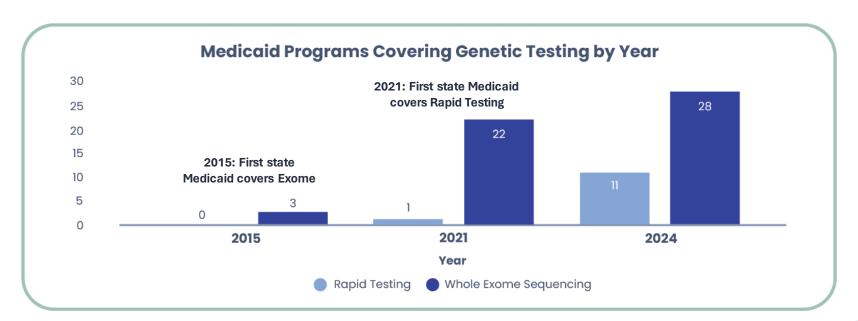
#### **Primary Clinical Indications:**

- Epilepsy
- o Intellectual disability
- Developmental delay



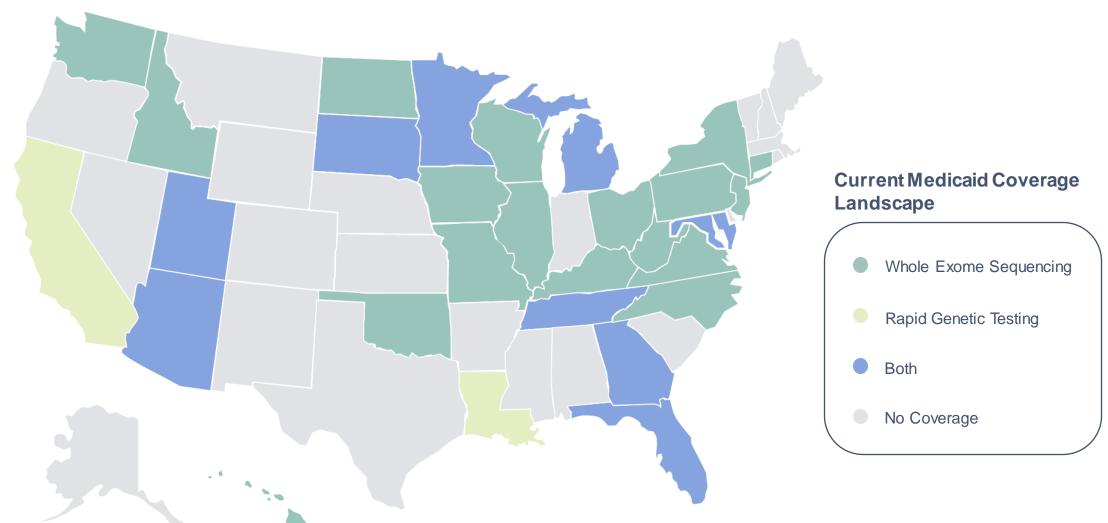
#### Payor coverage for exome and genome sequencing is expanding

- > GeneDx is contracted with over 80% of covered lives, including all large national commercial payers
- > Medicaid and commercial insurance coverage continues to grow for exome and genome
  - 28 states cover exome sequencing
  - 11 states cover rapid genome sequencing
  - o Biomarker bills are driving momentum in Medicaid coverage in key states like Texas and California





#### Medicaid programs across the country are expanding access





### Medical practice guidelines recommend exome and genome sequencing for patients



#### **ACMG Practice Guideline<sup>1</sup>:**

"Strong recommendation based on the available evidence to support the use of ES/GS as either a first- (or second-) line test in patients .... ES/ GS demonstrates clinical utility for the patients and their families with limited evidence for negative outcomes and the ever-increasing emerging evidence of therapeutic benefit."



#### **NSGC** Guideline<sup>2</sup>:

"Recommending Exome Sequencing as a First-Tier Genetic Test for Unexplained Epilepsies"



#### **American Epilepsy Society:**

"Exome or genome sequencing are favored for most scenarios, as they are more likely to provide a diagnosis."



<sup>1</sup> Manickam K, McClain MR, Demmer LA, et al. Exome and genome sequencing for pediatric patients with congenital anomalies or intellectual disability: an evidence-based clinical guideline of the American College of Medical Genetics and Genomics (ACMG). Genet Med. 2021 Nov;23(11):2029-2037. doi: 10.1038/s41436-021-01242-6. Epub 2021 Jul 1.



### Pay-it-forward data strategy

For every patient that we test, our underlying interpretation platform gets smarter, and we can offer more answers to more patients.

The impact scales as we capture more and more of the market.



#### Data is at the center of our business

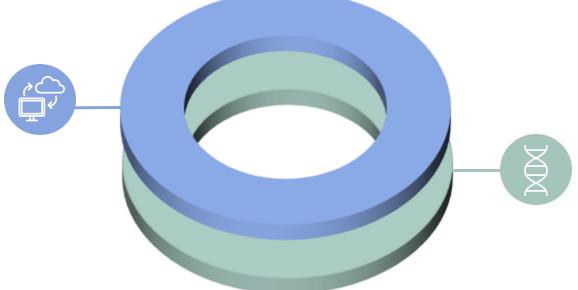
Our huge dataset and intelligent interpretation platform set us apart and fuel innovation



Simplifies complex genomic data

Reduces variants of unknown significance

Increases diagnostic yield



#### >500K sequenced exomes

Significant clinical and genomic data

Fuels improved testing accuracy

Advances science and powering future discoveries

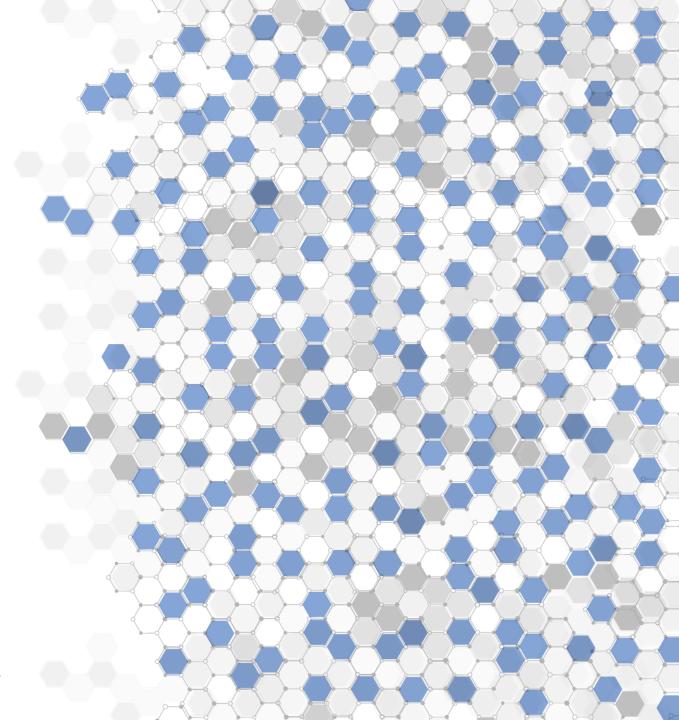


# Common diseases are in fact a constellation of genetic diagnoses

One example is epilepsy. At least 768 different genes are related to seizures.



Only 43% are tested on many commercial epilepsy panels



# Common diseases are in fact a constellation of genetic diagnoses

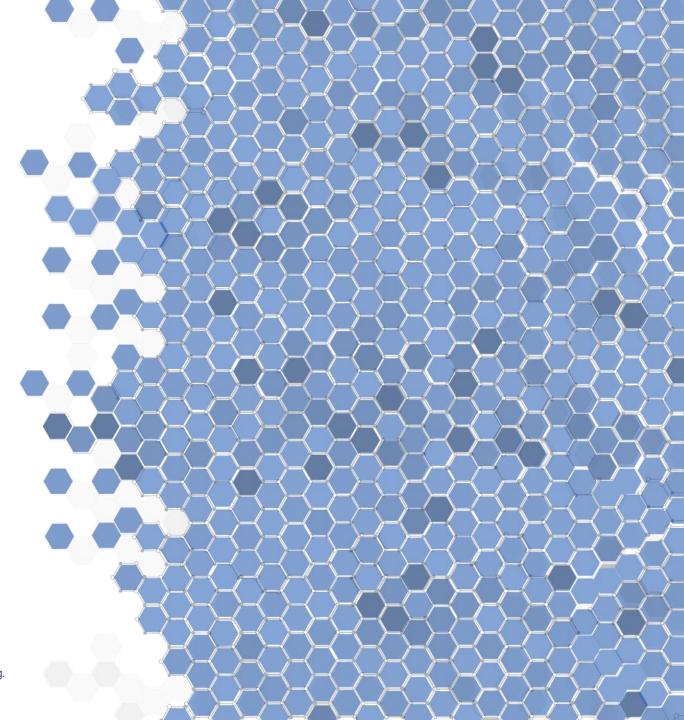
One example is epilepsy. At least 768 different genes are related to seizures.



Only 43% are tested on many commercial epilepsy panels



Exome sequencing checks all 768 genes



# Today, we shorten the diagnostic journey. Tomorrow, we hope to prevent it.



#### **Building the future: NICU**

Shorter hospital stays. Less uncertainty. Better care.

In phase one of the SeqFirst study, 125 infants were offered rapid WGS:



63% of infants had abnormal rapid WGS results, and 88% of these cases resulted in a change in management



1 in 4 infants with abnormal results were not previously suspected to have a genetic syndrome



Families of enrolled infants reported an overall positive experience, regardless of rapid WGS test outcome







#### **Building the future: Newborn screening**

Fast diagnosis. Clear next steps. Reduced healthcare costs.



Screened **5,000** healthy infants, toward goal of >100,000



**4.3%** positive rate



Average age of diagnosis for these conditions is **7-11** years old







### **Building the future: Partnerships**

Enriched data. Empowered drug discovery. Improved outcomes.

GeneDx offers solutions across the pharma drug development pipeline

Find

Connect

Understand



#### Building the future: Interpretation as a service

Scientific rigor. Medical value. Establishing genomics as the standard of care for all.

