



Transforming Disease
Management

February 28, 2022





Disclaimers

FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are subject to the “safe harbor” created by those sections. These forward-looking statements include, but are not limited to, statements concerning the effects of the COVID-19 pandemic on our business and our efforts to address its impact on our business; any estimated sizes of the total addressable markets of our current or future commercial and pipeline products within our dermatologic and GI franchises; our revenue outlook for the 2022 fiscal year, including any additional financial or operational metrics or related expectations with respect to future performance; the impact, accuracy and effectiveness of our commercial and pipeline tests on physicians, patients and their treatment plans, and their individual or collective impact on our prospects and plans, including any objectives of management related thereto; the ability of our tests to provide valuable, clinically actionable information to clinicians and patients, improve health and guide patient care; expected launch dates for tests in our pipeline expansion and estimates regarding their total addressable markets or future success; expectations regarding LCD effective dates and reimbursement capabilities; our ability to utilize existing relationships and build a suite of complementary tests in a single call point; increases in headcount in furtherance of our pipeline tests, clinical research and development and other expected drivers of growth, as well as efficiencies and synergies from capital expenditures related to expansion of lab facilities contributing to our growth; our ability to develop clinical evidence and publish peer-reviewed reports and studies that increase adoption among providers and commercial payors; estimated healthcare cost savings provided by our tests; the ability of our risk stratification tests to classify risk of metastasis in ways that better support risk-appropriate treatment than reliance on traditional clinicopathologic risk factors alone; program milestones for our pipeline test designed to predict systemic therapy response and the potential of systemic therapy guidance tools to streamline therapeutic interventions for patients and avoid ineffective, expensive medication courses; our sales team’s ability to achieve optimal productivity; and our ability to integrate our recent acquisitions into our existing business and the ability of such acquisitions to complement our existing business. The words “anticipates,” “believes,” “estimates,” “expects,” “intends,” “may,” “plans,” “projects,” “will,” “would” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. We may not actually achieve the plans, intentions, or expectations disclosed in our forward-looking statements and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements that we make. These forward-looking statements involve risks and uncertainties that could cause our actual results to differ materially from those in the forward-looking statements, including, without limitation, the effects of the COVID-19 pandemic on our business and our efforts to address its impact on our business, subsequent study results and findings may contradict earlier study results and findings, including with respect to the diagnostic and prognostic tests discussed in this press release, actual application of our tests may not provide the aforementioned benefits to patients, and the risks set forth under the heading “Risk Factors” in our in our Annual Report on Form 10-K for the twelve months ended December 31, 2021, and in our other filings with the SEC. The forward-looking statements are applicable only as of the date on which they are made, and we do not assume any obligation to update any forward-looking statements, except as may be required by law.

MISSION:

Improving health through innovative tests that guide patient care

VISION:

To transform disease management by keeping people first: patients, clinicians, employees and investors

VALUES:

Trust, Excellence, Collaboration, Integrity, Innovation and Excitement

Improving Health Through Innovative Tests That Guide Patient Care

Castle Team

345 Total employees

106 Sales & marketing team members

76 Laboratory testing operations team members

65 Research & development team members

A Diagnostic Leader

Strong financial position, driven by investments in our growth pillars and commercial excellence

Diversified portfolio of tests that answer clinical questions and provide actionable information

Data driven with a robust R&D and clinical research engine that address areas of unmet clinical need

Culture of teamwork and innovation, built on a **patient-centric mindset**

Robust Data Supporting our Tests

Peer-reviewed publications

35+ Decision Dx MELANOMA **9** Decision Dx-SCC

12 Decision Dx Diff Dx-Melanoma myPath Melanoma

21 Decision Dx-UM **8** tissuecypher BARRETT'S ESOPHAGUS ASSAY



Financial Performance Summary 2021

	2021	2020
Revenue	\$94.1M	\$62.6M
Adj. Revenue ¹	\$90.8M	\$62.5M
Total GEP test reports ²	28,118	18,185
Total Derm test reports ²	26,500	16,790
Operating Cash Flow	\$(19.0)M	\$9.9M
Adj. Operating Cash Flow ¹	\$(12.5)M	\$1.5M
Gross Margin	81.1%	84.5%
Adj. Gross Margin ¹	82.6%	84.5%
Cash & Cash Equivalents	\$330M	\$410M
	as of 12/31/2021	as of 12/31/2020

5

¹See Non-GAAP reconciliations at the end of this presentation.

²DecisionDx-SCC was launched on 8/31/20; DecisionDx DiffDx-Melanoma was launched on 11/2/20

Castle Remains Focused On Transforming Disease Management

Strategic principles that create value for customers, patients and stockholders



Address areas
with unmet
clinical need



Leverage advanced
technologies for
innovative tests



Provide robust data to
support the clinical
value of our tests



Accelerate test
adoption through
commercial excellence

Driving Long-Term Growth Through A Strong Derm Foundation, Pipeline and Strategic Opportunities

Near-to Mid-term Growth

2022-2023

Decision Dx
MELANOMA

Decision Dx·SCC
(Potential LCD effective in 2023)

myPath
Melanoma

Decision Dx*
DiffDx-Melanoma
(Potential LCD effective in 2023)

tissuecypher
BARRETT'S ESOPHAGUS ASSAY

Strategic
Opportunities

Mid-to Long-term Growth

2024 and beyond

Decision Dx
MELANOMA

Decision Dx·SCC

tissuecypher
BARRETT'S ESOPHAGUS ASSAY

Strategic
Opportunities

Decision Dx* myPath
DiffDx-Melanoma
Melanoma

Pipeline
Expansion

(Expected launches ~2025)

Strategic Opps

Gastrointestinal

Dermatology

Answering Clinical Questions to Guide Care Along The Patient Journey

Our focus is on diagnostic, risk stratification and therapy response areas of the patient care continuum





Pillars Of Our Growth Plan

Consistent execution furthers our leading position in dermatology and in the Dx space

Strong Core Derm Business



- Continuing provider education
- Optimizing commercial team
- Evolving our go-to-market strategy (EMA, VA)
- NCI/SEER collaboration



Pipeline Initiatives



- Ability to answer clinical questions/impact patient care
- Utilizing our areas of expertise (genomics, spatialomics, AI) to develop innovative tests
- Focusing on complementary/adjacent disease states



Strategic Opportunities



- Areas where we can utilize our commercial success
- Potential to create a suite of tests in a single call point
- Ability to answer clinical questions/impact patient care
- Early reimbursement wins

2021 Key Accomplishments



Achieved strong, consistent year-over-year growth, both in our revenue (+50%) and test report volume (+55%), with net cash used in operating activities of \$19 million and adjusted operating cash flow use of \$13 million



Doubled our dermatology-facing commercial team and added to our commercial dermatology offerings with the acquisition of myPath Melanoma



Expanded evidence supporting our portfolio of tests to drive clinical usage with 15 peer-reviewed publications and initiated our collaboration with NCI/SEER



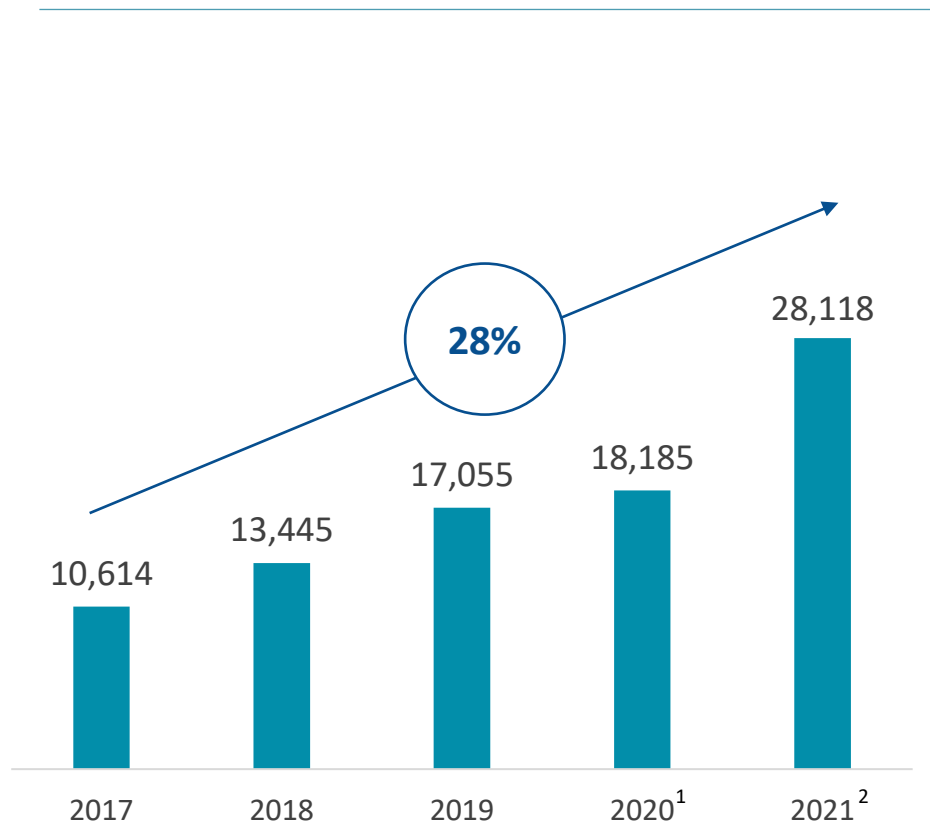
Began development of our GI franchise through the acquisition of Cernostics and their TissueCypher test for use in Barrett's esophagus



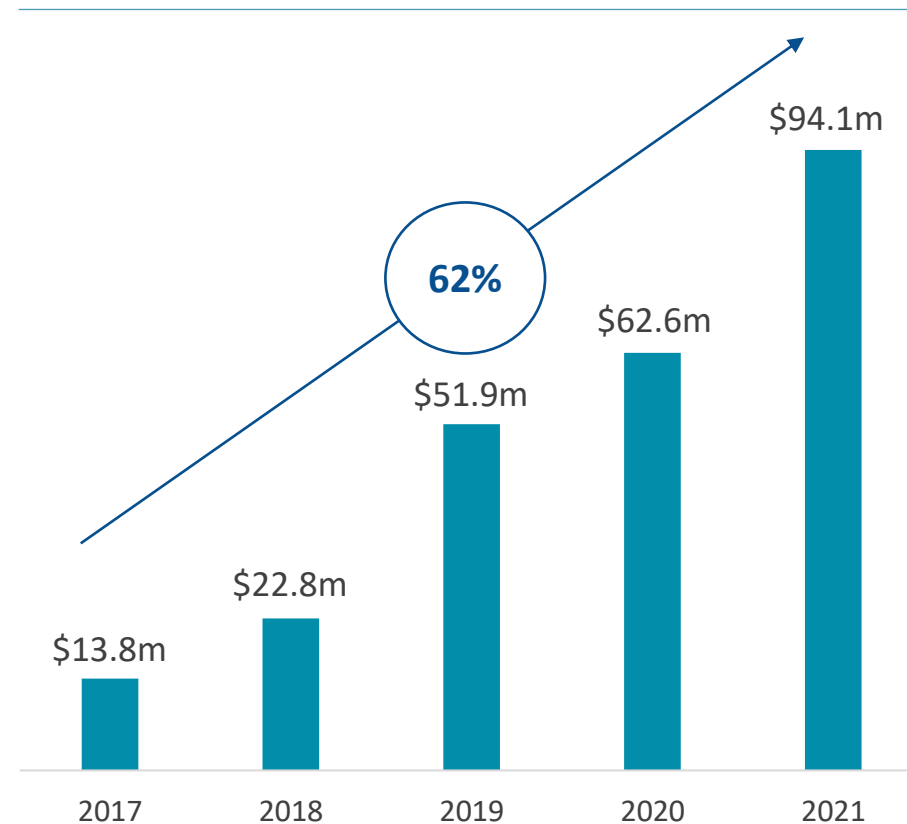
Published our inaugural ESG report, helping us progress our ESG initiatives and demonstrating our commitment to patients, employees, stockholders and our communities

Consistent Execution On Growth Initiatives Supports Long-Term Growth

2017-2021 Total Test Report Volume CAGR



2017-2021 Revenue CAGR



Full-Year 2022 Guidance

	February 28, 2022	Key Drivers
Revenue	\$115 - \$120 million	
Cost of Sales (exclusive of amortization of acquired intangible assets)	65%-75% growth	Scaling of Pittsburgh lab; preparation for volume ramp for TissueCypher, DecisionDx-SCC and DiffDx-Melanoma ahead of reimbursement
R&D Expense	50%-60% growth	Continued acceleration in R&D to support our derm, GI and pipeline tests, including increase in clinical research and additional headcount
SG&A Expense	30%-35% growth	Addition of gastroenterology team and continued build in dermatology
Stock Based Comp	\$35-40 million	Primarily due to increase in headcount to support growth, with pace of additional employees increasing in recent years and 2022

Estimated ~\$6.6B U.S. Total Addressable Market¹

- In market and pipeline tests, across dermatologic and gastrointestinal franchises

Dermatologic Franchise

GI Franchise

Cutaneous melanoma/
risk of metastasis

~130k
Patients classified as
Stage I, II or III²

~\$540M

DecisionDx
MELANOMA

Cutaneous squamous
cell carcinoma/
risk of metastasis

~200k
Patients w/ high-risk
features²

~\$820M

DecisionDx:SCC

Suspicious pigmented
lesions/melanoma
status

~300k
Patients w/
indeterminant biopsy²

~\$600M

myPath DecisionDx
DiffDx-Melanoma

Pipeline Test -
Inflammatory

~450k
Patients eligible for
systemic therapies

~\$1.9B

Additional Derm
Pipeline Tests

To be announced

~\$1.7B

Barrett's esophagus/
risk of progression to
esophageal cancer

384K
Patients receiving upper GI
endoscopies/year who
meet the intended use
criteria for TissueCypher³

~\$1B

tissuecypher
BARRETT'S ESOPHAGUS ASSAY

¹U.S. TAM = Total addressable market based on estimated patient population assuming average reimbursement rate among all payors.

²Annual U.S. incidence for Stage I, II or III melanoma estimated at 130,000; annual U.S. incidence for squamous cell carcinoma estimated at 1,000,000 with addressable market limited to carcinomas with one or more high risk features; annual U.S. incidence for suspicious pigmented lesion biopsies estimated at 2,000,000 with addressable market limited to the 15% with an indeterminant biopsy.

³384,000 upper GI endoscopies/year with confirmed dx of BE (ND, IND, LGD) x \$2,513 = U.S. only TAM of ~\$1 billion

2022 Anticipated Catalysts



Potential DecisionDx-SCC and DecisionDx DiffDx-Melanoma draft LCD



Potential expansion of commercial teams to further accelerate test adoption and volume growth in GI and Derm



Continued evidence development, data presentations and peer-reviewed publications to support the value of our test and increase adoption with providers and commercial payers



Pipeline updates in Derm franchise



GI/Cernostics Integration Update

Fueling mid- and long-term growth with TissueCypher® platform and GI franchise



New GI commercial team of ~ 14 outside territories hired, trained and in the field in January 2022, GI focused medical science liaisons and internal sales associates hired



Year-to-date 2022, two abstracts for GI conferences (podium presentations at ESGE Days 2022 and DDW 2022) and one peer-reviewed publication accepted



Lab floorplan and workflow reconfigurations have increased efficiencies with more progress expected throughout 2022



Leveraging spatialomics expertise to identify pipeline opportunities in GI and dermatology



Planned capex investments (lab expansion and additional headcount) expected to allow for further enhancements to automation, a significant increase to throughput and provide support for potential future GI tests off the TissueCypher spatialomics platform

Significant Scientific Evidence Through Robust Clinical Research Program Across Our Testing Portfolio

16

Ongoing clinical research studies

341

Committed/
contributing clinical research sites at year-end 2021

7,800+

Patients enrolled in studies at year-end 2021

~12,000

Patients enrolled in studies over lifetime of Castle

20,000+

Additional patient's data we anticipate analyzing in CM studies in 2022

Accelerating Investments In Clinical Development

Generating data that supports the clinical value of our tests and supports provider and payer adoption

DecisionDx
MELANOMA

DecisionDx·SCC

DecisionDx[®] myPath
DiffDx-Melanoma
Melanoma

tissuecypher
BARRETT'S ESOPHAGUS ASSAY

4

Ongoing studies

102

Committed sites

~1,400

Patients enrolled

3

Ongoing studies

144

Committed sites

~3,100

Patients enrolled

3

Ongoing studies

25

Committed sites

~3,250

Patients enrolled

3

Ongoing studies

11

Committed sites

~630

Subjects¹ enrolled

Upcoming Q1-Q2 Data Presentations

- SSO 2022
- AAD 2022

- AAD 2022
- ACMS 2022

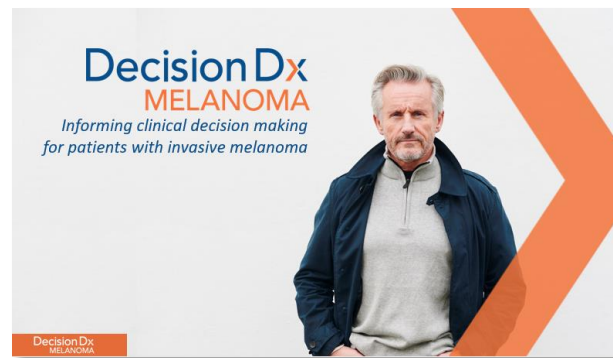
- ESGE Days 2022
- DDW 2022

First To Market Dermatologic Franchise, Additional Growth Opportunities

Diagnostic Support



Risk-Stratification



Therapy Response¹



DecisionDx-Melanoma: Precision Risk Stratification Based on Tumor Biology Informs Treatment Plans

Market Snapshot	Clinical Questions <i>(post-melanoma diagnosis)</i>	Clinical Utility	Transforming Disease Management
<p>~\$540M revenue opportunity¹</p> <p>~130k patients classified as Stage I, II or III²</p>	Is the risk of SLN-positivity high enough to warrant referral for the SLNB surgery?	Accurately identifies those at low and high risk for a positive SLN ³	DecisionDx-Melanoma could result in 74% fewer SLNB surgeries ⁷ , potentially saving the U.S. healthcare system \$250M ^{4,5} Why? More precise risk prediction – DecisionDx-Melanoma identified 27.7% of patients as low risk (<5%) of SLN positivity, compared to only 8.5% using T-Stage ³
	What is the individual risk of recurrence?	Provides personalized risk of recurrence to give guidance for patient follow-up and treatment intensity decisions	4 consecutive clinical impact studies show a 47-53% change in management decisions (i.e., imaging and labs, SLNB guidance, clinical visit frequency, referrals) based on DecisionDx-Melanoma results ⁶

SLN = sentinel lymph node; SLNB = sentinel lymph node biopsy. Source: NCCN Guidelines for Cutaneous Melanoma v3.2020¹U.S. TAM = Total addressable market based on estimated patient population assuming average reimbursement rate among all payors. ²Annual U.S. incidence for Stage I, II or III melanoma estimated at 130,000.

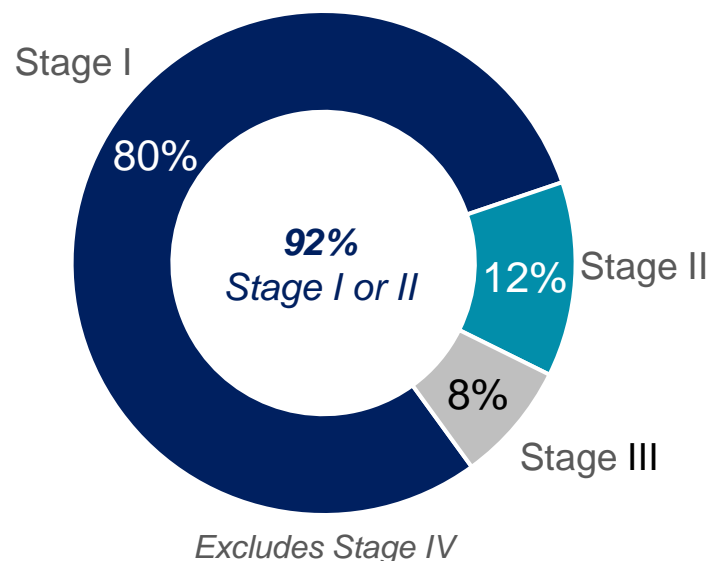
³Whitman et al. *JCO Precision Oncology* 2021 ⁴Vetto et al. *Future Oncol* 2019. ⁵Clearview health economic model, data on file

⁶Four consecutive clinical impact studies showed 47-53% change in risk-of-recurrence-based management based on results of testing with DecisionDx-Melanoma: Berger, et al. 2016 *Curr Med Res Opin*; Dillon et al. 2018 *Skin*; Farberg et al. 2017 *Jrnl Drugs Derm*; Schuitevoerder, et al. 2018 *Jrnl Drugs Derm*.

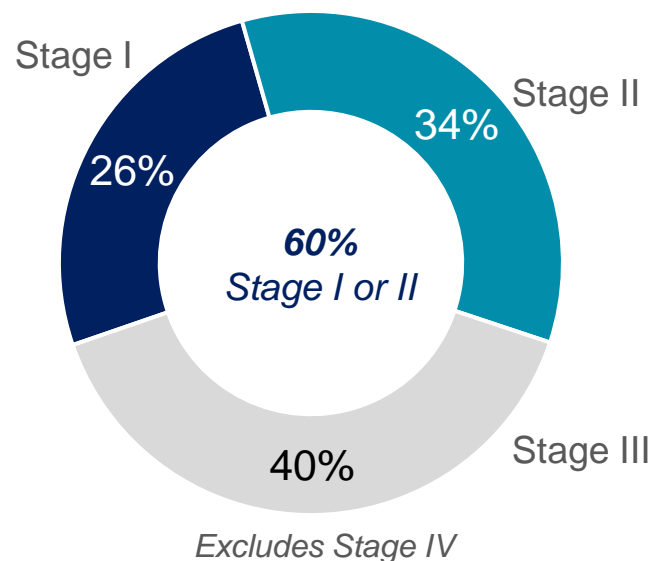
⁷ For patients with melanomas of less than or equal to 2.0 mm thick

Current Melanoma Staging Misses Patients With Aggressive Tumor Biology

Stage at Diagnosis



Melanoma Deaths by Stage at Diagnosis



The majority of melanoma deaths occur in patients who were diagnosed at Stage I or II

DecisionDx-Melanoma Is Supported By Significant Scientific Evidence

6,000+

Patients included in studies including *independent validation*

35+

Peer-reviewed, published studies including *2 meta-analyses*

90,000+

Patients with a *DecisionDx-Melanoma* order from more than *9,300 clinicians*

1A

Level 1A evidence*

50%

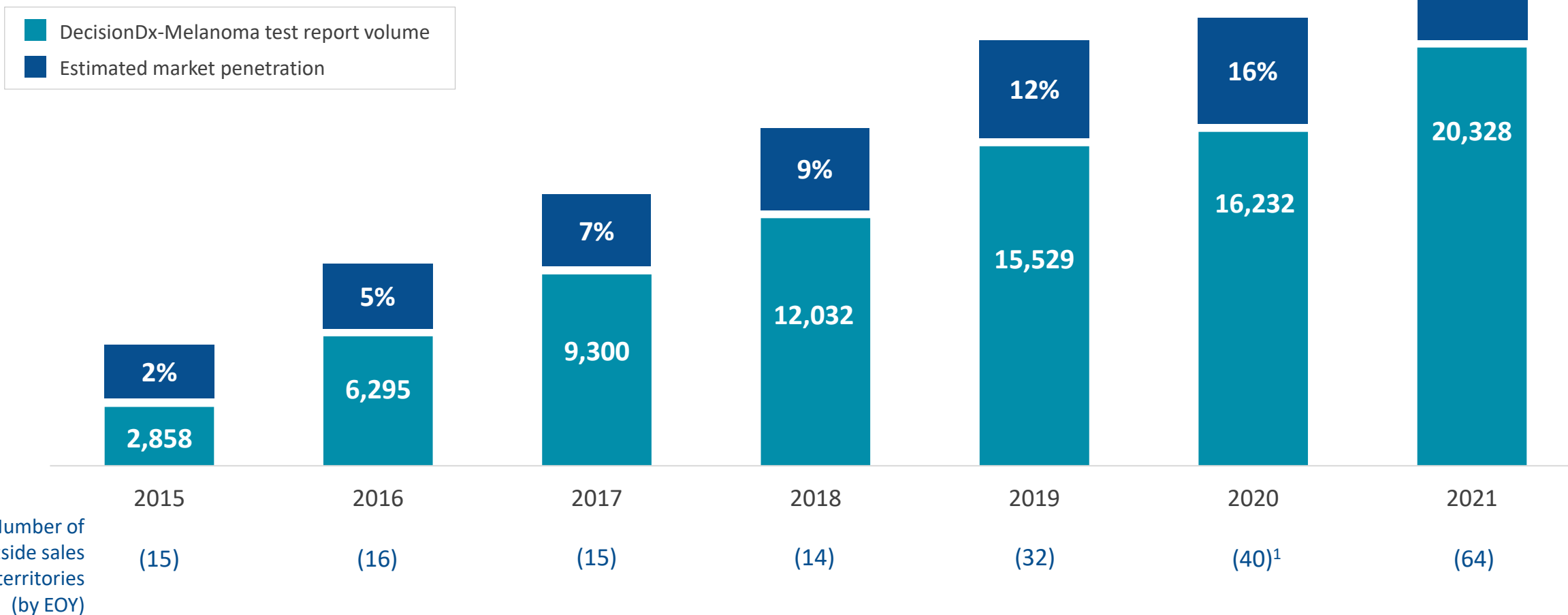
Demonstrated change in management for 1 of 2 patients tested

Medicare+

Covered by Medicare and multiple private insurers with an *industry-leading* patient assistance program

DecisionDx-Melanoma Adoption Since Launch

Consistent growth in volume and market penetration driven by clinical value and commercial excellence



NCI/SEER Data Linked with DecisionDx-Melanoma Test Results

Data analysis of the first cohort of patients 65 years or older¹

Data further strengthens independent, risk-stratification value of testing with DecisionDx-Melanoma

10x increase in death rate for patients with a high-risk result

(12.3% death rate for a Class 2B (high-risk) result compared to 1.5% for a Class 1A (low risk) result)

Data provides real world evidence that patients tested with DecisionDx-Melanoma had improved overall survival rates vs. untested patients

0.66 | **0.002**

hazard ratio

p-value

(a hazard ratio less than 1.0 demonstrates improved survival in patients tested with DecisionDx-Melanoma)

¹Initial data analysis following data linkage included an unselected, prospectively tested population of Medicare-eligible patients 65 years and older, consistent with prior study cohorts
[‡]Hazard ratio (HR) was computed using the untested patients as reference for 31-GEP testing. An HR less than 1.0 demonstrates improved survival in 31-GEP tested patients. Diagnosis date 2016 and onward. [†]MSLT-116: Multicenter Selective Lymphadenectomy Trial-1. SLNB: sentinel lymph node biopsy. WLE: wide local excision. SE: standard error. [‡]Intermediate thickness tumors (1.2-3.5 mm).
¹Bailey C. et al. "31-gene expression profile testing survival benefit in a population-based analysis of cutaneous melanoma patients ≥65 years of age" Poster at 2022 Winter Clinical Dermatology Conference



DecisionDx-SCC: Predicts Metastatic Risk for SCC Patients With One Or More Risk Factors

Market Snapshot	Clinical Question <i>(post-SCC diagnosis)</i>	Clinical Utility	Transforming Disease Management
<p>~\$820M revenue opportunity¹</p>	<p>Who is really at low risk or high risk for metastasis?</p>	<p>Predicts metastatic risk for individual SCC patients with one or more risk factors</p>	<p>Improved accuracy of metastasis risk predictions compared to BWH and AJCC8 staging Significantly greater specificity (Class 2B=96.9%) and sensitivity (Class 2=77.8%) compared to metrics for high-stage BWH and AJCC8</p>
<p>~200k patients with high-risk features²</p>		<p>Incorporation of DecisionDx-SCC can improve management decisions within established guidelines</p>	<p>Enhances revised NCCN risk stratification Class 2A results showed hazard ratios of >1.25x NCCN very high risk while class 2B results showed hazard ratios of >4.5x NCCN very high risk</p>
		<p>Proven significant and independent prognostic value for stratifying risk of metastasis in high-risk SCC patients</p>	<p>DecisionDx-SCC Class 2B results have a higher positive predictive value (60%) than BWH (35.1%) and AJCC8 (32.8%) Current SCC staging fails to identify >35% of cases that will go on to metastasize and over-stages >75% that will not</p>

SCC = squamous cell carcinoma; NCCN = National Comprehensive Cancer Network (NCCN); BWH = Brigham and Women's Hospital; AJCC8 = American Joint Committee on Cancer Eighth Edition

¹U.S. TAM = Total addressable market based on estimated patient population assuming average reimbursement rate among all payors.

²Annual U.S. incidence for squamous cell carcinoma estimated at 1,000,000 with addressable market limited to carcinomas with one or more high risk features.

Wysong et al. JAAD 2020; Ibrahim et al. Future Oncology 2021; Data on file, Castle Biosciences

NCCN Guidelines for Squamous Cell Skin Cancer v1 2022, Likhacheva et al. Pract Radiat Oncol 2020, Farberg et al. CMRO 2020, Litchman et al. CMRO 2020, Teplitz et al. JDD 2019, Alam et al. JAAD 2018



DecisionDx-SCC Addresses the Unmet Need In High-Risk SCC Patients

Who is really at low risk or high risk for metastasis?

Deaths from SCC are now estimated to **exceed those from melanoma**

~20% of SCC patients (200,000 annually) have **one or more clinical** or **pathological risk factors**, and a subset will **develop metastasis**

They suffer the majority of SCC mortality

These factors alone are often not specific enough to determine risk-appropriate treatment and further management

SCC treatment plans are guided by risk of metastasis

Risk-appropriate SCC management is **limited by classification systems** (NCCN, BWH, AJCC) with **low positive predictive value** (PPV)



DecisionDx-SCC Informs Risk-Appropriate Management To Guide Patient Care

For high-risk **SCC patients** with one or more risk factors

9 peer-reviewed publications to date

Validated in **420-patient cohort** of high-risk SCC from 33 U.S. centers

~3,100 patients have been enrolled in studies to date from **144 centers**

Utilizing **existing sales channels**: dermatologists (including Mohs surgeons)

Incorporation of DecisionDx-SCC with traditional risk factors can **improve patient classification** compared to traditional risk factors alone

Comprehensive Diagnostic Offering Improves Clinically Actionable Reporting for ~99% of Concerning Lesions

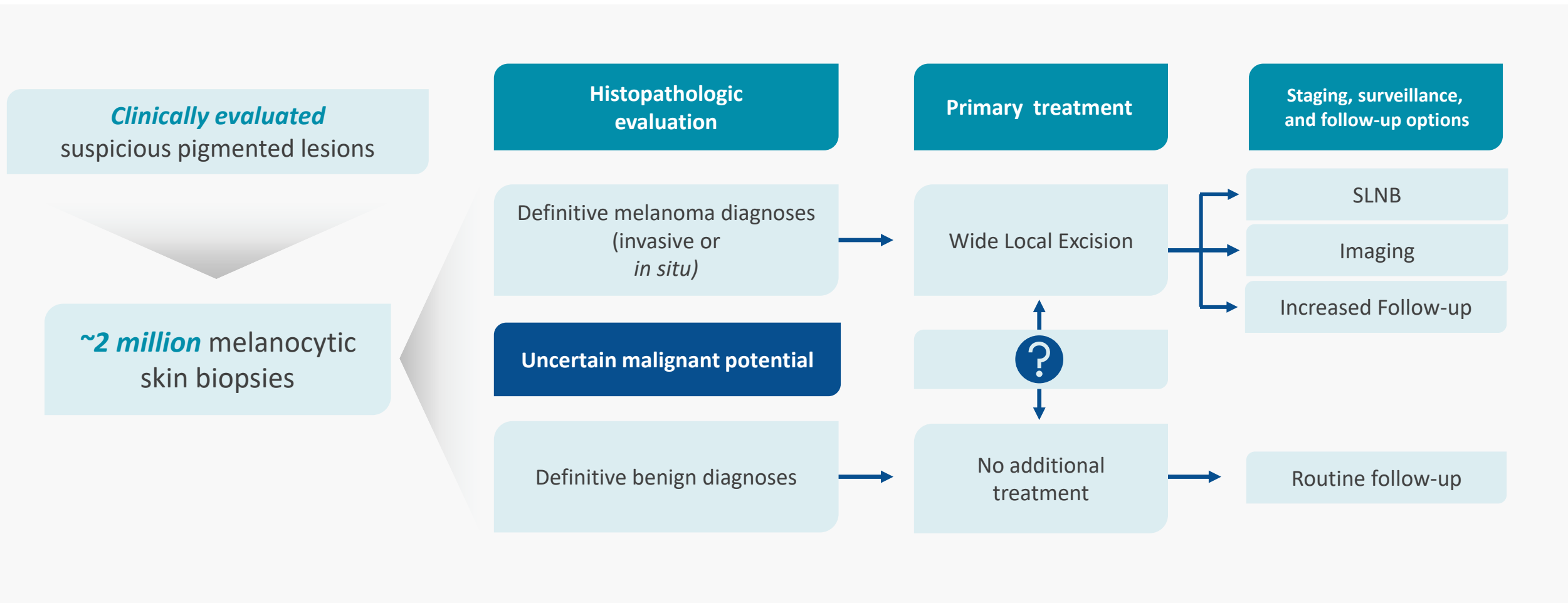
Market Snapshot	Clinical Question	Clinical Utility	Transforming Disease Management
<p>~\$600M revenue opportunity¹</p> <p>~300k patients with an indeterminate biopsy²</p> <p><i>After melanoma diagnosis, clinicians can order DecisionDx-Melanoma using the same tissue sample</i></p>	<p>Is the melanocytic lesion malignant or benign?</p>	<p>Leverages the strengths of myPath Melanoma and DecisionDx DiffDx-Melanoma for the benefit of patient care</p>	<p>Annually, ~300,000 difficult-to-diagnose lesions cannot be confidently diagnosed with a routine histopathology, leading to an ambiguous diagnosis or uncertain treatment plans^{3,4}</p>
		<p>Designed to be used as an adjunct to histopathology when the distinction between a benign nevus and a malignant melanoma cannot be made confidently by histopathology alone</p>	<p>Proven utility in reducing ambiguous diagnoses by dermatopathologists and reducing surgical re-excisions by dermatologists in patients with benign GEP results^{5,6,7}</p>
		<p>Adds diagnostic clarity and confidence for more informed patient care</p>	<p>Improves clinically actionable reporting for ~99% of concerning lesions⁷</p>

¹U.S. TAM = Total addressable market based on estimated patient population assuming average reimbursement rate among all payors.

²Annual U.S. incidence for suspicious pigmented lesion biopsies estimated at 2,000,000 with addressable market limited to the 15% with an indeterminate biopsy

³Shoo et al. *J Am Acad Dermatol* 2010; ⁴Lott et al. *JAMA Derm* 2018; ⁵Cokerell et al. *Per Med* 2017; ⁶Cokerell et al. *Medicine* 2016; ⁷Farberg et al. *SKIN J Cutaneous Med* 2020; ⁸Goldberg et al. *SKIN* 2021: s79;

Diagnosing Melanoma, the Clinical Issue: Uncertainty Creates An Over- Or Under-Treatment Dilemma





Inflammatory Pipeline Test



Targeting the Unmet Need In Moderate To Severe Psoriasis And Atopic Dermatitis

Common skin diseases with significant patient impacts and costs to health care system

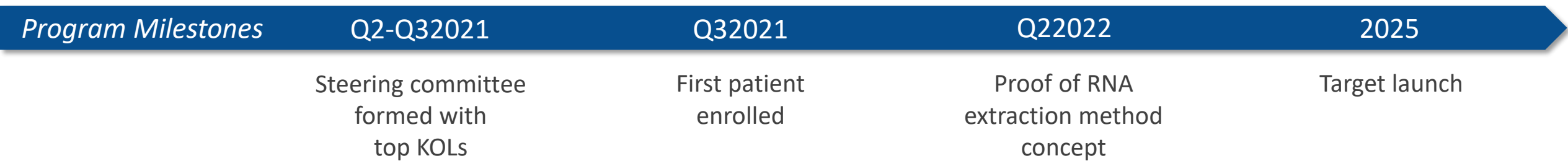
Psoriasis (PSO) and Atopic Dermatitis (AD) are among the most frequently seen skin rashes

Treatments are significantly different for PSO and AD and can be costly
(e.g., Humira for PSO ~\$68k/year; Dupixent for AD is ~\$38k/year)

Cutaneous T Cell Lymphoma (CTCL) can mimic clinical presentation of AD and PSO
~20-30% of patients with PSO will go on to develop psoriatic arthritis, which can produce irreversible joint damage and significant patient morbidity

Systemic therapy guidance tools have the potential to streamline therapeutic interventions for patients and avoid ineffective, expensive medication courses

Castle's Inflammatory Skin Disease Pipeline Test Is Being Developed To Predict Systemic Therapy Response



C/STLE
BIOSCIENCES

Gastrointestinal



TissueCypher: Designed to Predict Future Development Of Esophageal Cancer In Patients With Barrett's Esophagus

Market Snapshot	Clinical Decision Point	Clinical Utility	Transforming Disease Management
<p>~\$1B revenue opportunity¹</p> <p>~384k patients receiving upper GI endoscopies/year w/ confirmed Dx of BE²</p>	<p>Which BE patients will progress to HGD or esophageal cancer?</p>	<p>Provides a 5-year individual risk of progression to high-grade dysplasia or esophageal adenocarcinoma for patients with confirmed BE</p>	<p>TissueCypher high risk score independently predicted an almost 8-fold increased risk of progression to esophageal cancer³</p>
		<p>Identifies patients:</p> <ol style="list-style-type: none"> At risk for future progression and patients harboring prevalent HGD/cancer At low risk of progression who may be able to avoid unnecessary treatment or surveillance 	<p>Strongest predictor of progression to esophageal cancer (risk-stratification)</p> <p>TissueCypher hazard ratio of 7.7 compared to GI expert pathologist diagnosis of 3.9 (p<0.0001); pooled analysis⁴⁻⁸</p>
			<p>Clinical use study demonstrates 55% change in patient management⁹</p>

HGD = high-grade dysplasia; EAC = esophageal adenocarcinoma; BE = Barrett's esophagus

¹U.S. TAM = Total addressable market based on estimated patient population assuming average reimbursement rate among all payors.

²384,000 upper GI endoscopies/year with confirmed dx of BE (ND, IND, LGD) x \$2,513 = U.S. only TAM of ~\$1 billion

³Iyer, P, et. al. Prediction of Progression in Barrett's Esophagus Using a Tissue Systems Pathology Test: A Pooled Analysis of International Multicenter Studies. DDW 2021 Presentation (Manuscript Submitted)

⁴Critchley-Thorne, et. al. Cancer Epidemiol Biomarkers Prev. Jan 2016; ⁵Critchley-Thorne, et. al. Cancer Epidemiol Biomarkers Prev. Feb 2017 ⁶Davison, et. al. Am J Gastroenterol. Feb 2020

⁷Frei, et. al. Clin Transl Gastroenterol. Oct 2020; ⁸Frei, et. al. Am J Gastroenterol. Apr 2021; ⁹Diehl, et.al. Endoscopy International Open, 2021, Mar; 9(3): E348-E355

Decision Dx·UM

*The Standard of Care for
Evaluating Metastatic Risk in
Uveal Melanoma*



Decision Dx-UM: The Standard Of Care In The Management Of Newly Diagnosed Uveal Melanoma

Strong Evidence Base

- 21 peer-reviewed publications, **3,000+ patients**

Widespread adoption

- **More than 90%** of U.S. ocular oncology institutions order
- **1,618 reports** issued in 2021

Broad Reimbursement

- In 2021, received payment on ~93% of claims
- Medicare LCD **covers patients** with a confirmed diagnosis and no evidence of metastatic disease
- 2022 Medicare rate of \$7,776

AJCC and NCCN Guideline Inclusion

Facts About Uveal Melanoma

- **~2,000** patients diagnosed in the U.S. annually
- **~97%** of patients – no evidence of metastatic disease at the time of diagnosis
- **~30%** will develop metastases within 5 years

Decision Dx·UM

15-Gene Expression Profile (GEP) Test

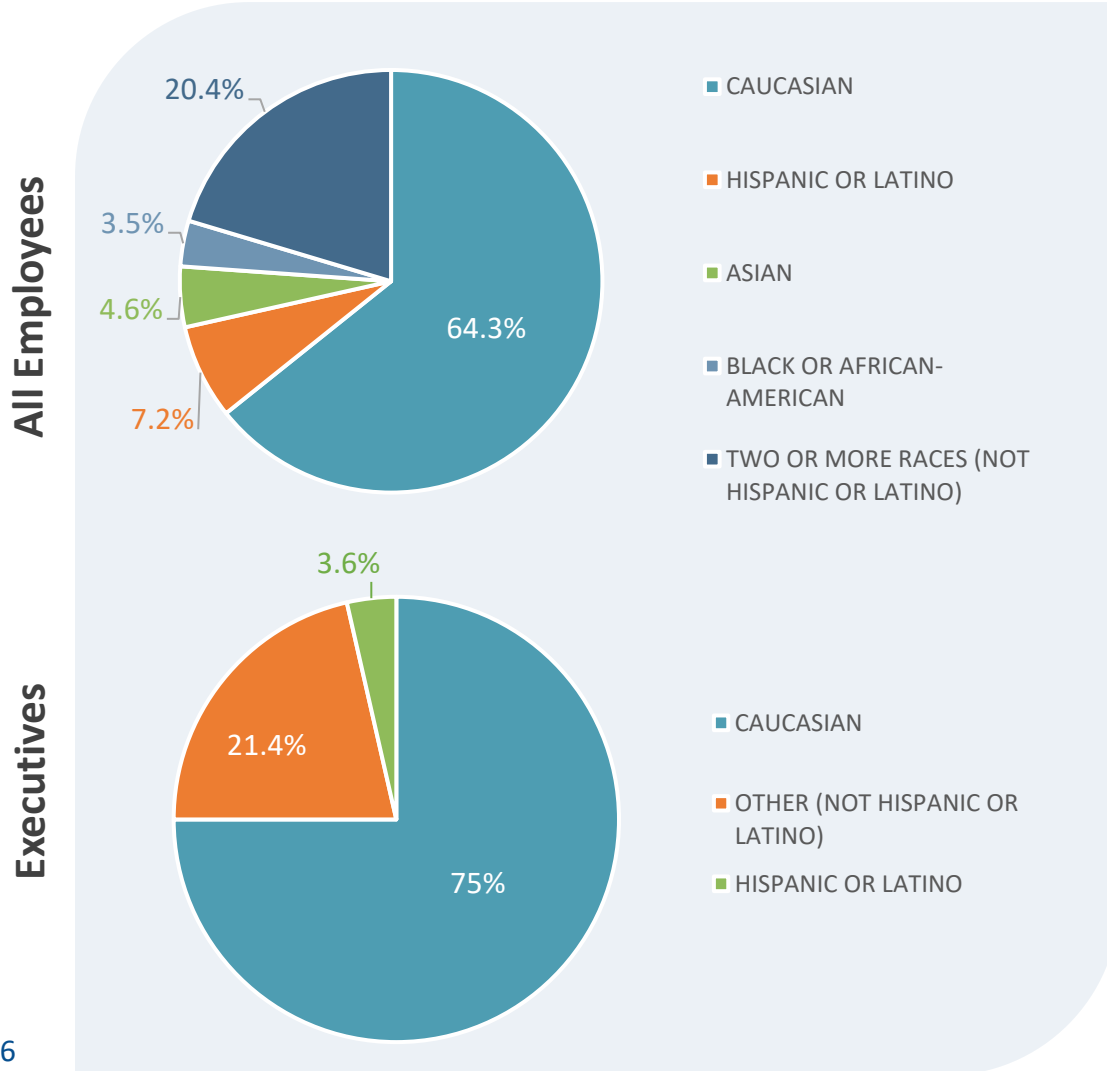
Low-risk: **~67%**
Low Intensity Management

High-risk: **~33%**
High Intensity Management

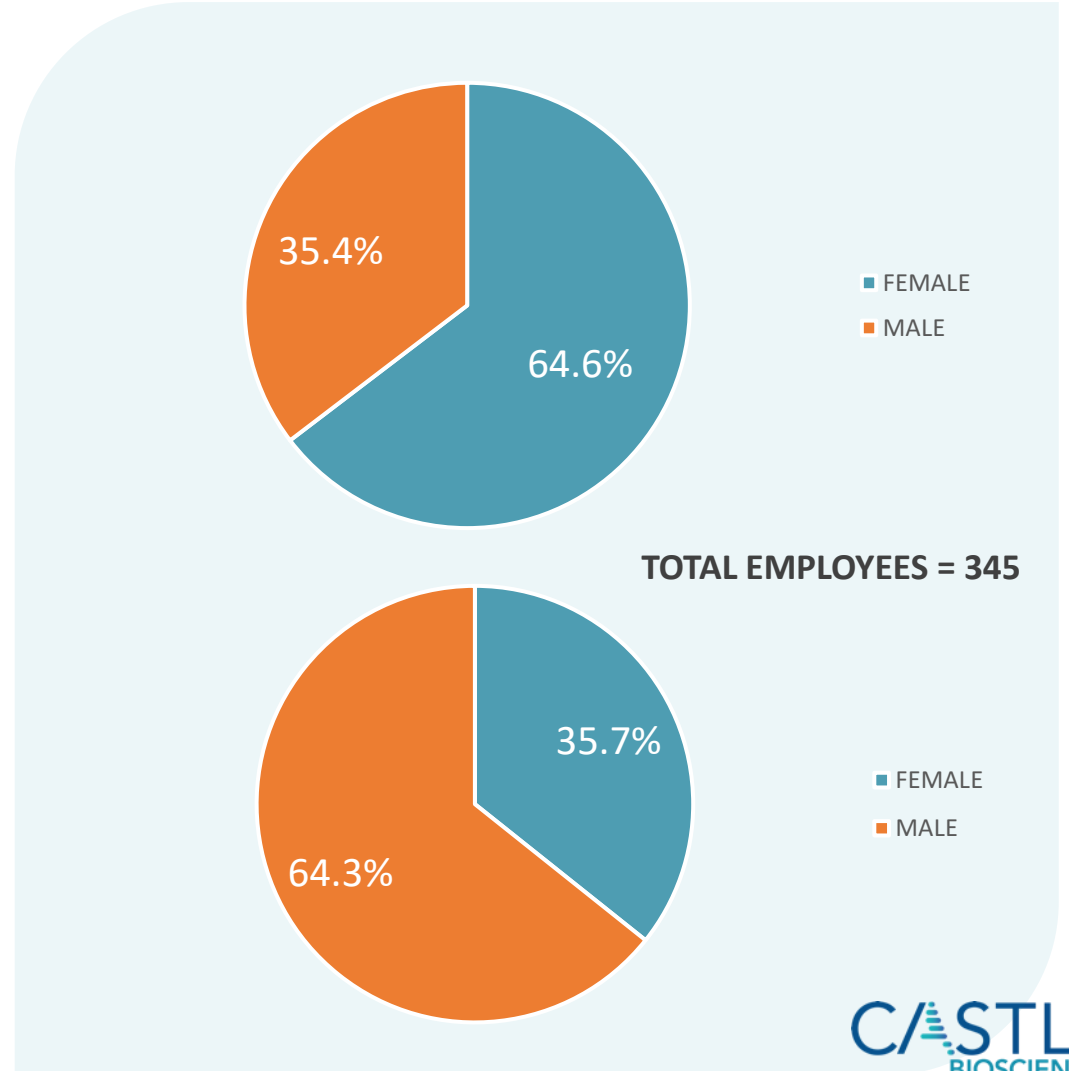


Commitment To Diversity

ETHNICITY/RACE



GENDER





Award-Winning Company

Committed to cultivating a culture of innovation, continuous growth and advancement



2019 Technology Innovation in Melanoma
Award Winner

Castle Biosciences Is Improving Health Through Innovative Tests That Guide Patient Care

<p>CUTANEOUS MELANOMA^{1,2}</p>	<p>SQUAMOUS CELL CARCINOMA</p>	<p>UVEAL MELANOMA³</p>	<p>BARRETT'S ESOPHAGUS⁴</p>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Decision Dx MELANOMA</p> <p>PROGNOSTIC</p> <p>Predicting Individual Risk of Recurrence or Metastasis in Stage I, II, and III Melanoma</p> </div> <div style="width: 45%;"> <p>myPath Decision Dx DiffDx·Melanoma</p> <p>DIAGNOSTIC</p> <p>Highly Accurate and Objective Tests Characterizing Difficult-to-Diagnose Melanocytic Lesions</p> </div> </div>	<p>Decision Dx·SCC</p> <p>PROGNOSTIC</p> <p>Better Identifies Risk of Metastasis in Patients with One or More Risk Factors</p>	<p>Decision Dx·UM</p> <p>PROGNOSTIC</p> <p>The Standard of Care for Evaluating Metastatic Risk in Uveal Melanoma</p>	<p>tissuecypher BARRETT'S ESOPHAGUS ASSAY</p> <p>PROGNOSTIC</p> <p>Predicting Individual Risk of Progression to Esophageal Cancer in Barrett's Esophagus</p>

38 ¹2022 CMS rate: DecisionDx-Melanoma, \$7,193; ²2022 CMS rate: myPath-Melanoma, \$1,950
³2022 CMS rate: DecisionDx-UM, \$7,776; ⁴2022 CMS rate: TissueCypher BE, \$2,513
<https://www.cms.gov/medicare/medicare-fee-service-payment/clinical-laboratory-fee-schedule-files/22clabq1>

C/STLE
BIOSCIENCES

THANK YOU



Use Of Non-GAAP Financial Measures (Unaudited)

In this presentation, we use the metrics of Adjusted Revenue, Adjusted Gross Margin and Adjusted Operating Cash Flow, which are non-GAAP financial measures and are not calculated in accordance with generally accepted accounting principles in the United States (GAAP). Adjusted Revenue and Adjusted Gross Margin reflect adjustments to net revenues to exclude changes in variable consideration related to test reports delivered in previous periods. Adjusted Gross Margin further excludes acquisition-related intangible asset amortization. Adjusted Operating Cash Flow excludes the effects of repayments to Medicare of COVID-19 government relief advancements to healthcare providers.

We use Adjusted Revenue, Adjusted Gross Margin and Adjusted Operating Cash Flow internally because we believe these metrics provide useful supplemental information in assessing our revenue and cash flow performance, respectively. We believe Adjusted Revenue and Adjusted Gross Margin are also useful to investors because they provide additional information on current-period performance by removing the effects of revenue adjustments related to tests delivered in previous periods and acquisition-related intangible asset amortization, which we believe may facilitate revenue and gross margin comparisons to historical periods. We believe Adjusted Operating Cash Flow is also useful to investors as a supplement to GAAP measures in the assessment of our cash flow performance by removing the effects of COVID-19 government relief payments, which we believe are not indicative of our ongoing operations. However, these non-GAAP financial measures may be different from non-GAAP financial measures used by other companies, even when the same or similarly titled terms are used to identify such measures, limiting their usefulness for comparative purposes. These non-GAAP financial measures are not meant to be substitutes for net revenues, gross margin or net cash (used in) provided by operating activities reported in accordance with GAAP and should be considered in conjunction with our financial information presented on GAAP basis. Accordingly, investors should not place undue reliance on non-GAAP financial measures. Reconciliations of these non-GAAP financial measures to the most directly comparable GAAP financial measures are presented in the slides that follow.

Reconciliation Of Non-GAAP Financial Measures (Unaudited)

The table below presents the reconciliation of adjusted revenue and adjusted gross margin, which are non-GAAP measures. See "Use of Non-GAAP Financial Measures (UNAUDITED)" on the previous slide for further information regarding the Company's use of non-GAAP financial measures.

	Three Months Ended December 31,		Twelve Months Ended December 31,	
	2021	2020	2021	2020
<i>(in thousands)</i>				
Adjusted revenue				
Net revenues (GAAP)	\$ 25,039	\$ 17,299	\$ 94,085	\$ 62,649
Revenue associated with test reports delivered in prior periods	780	(3,515)	(3,324)	(176)
Adjusted revenue (Non-GAAP)	<u>\$ 25,819</u>	<u>\$ 13,784</u>	<u>\$ 90,761</u>	<u>\$ 62,473</u>
Adjusted gross margin				
Gross margin (GAAP) ¹	\$ 19,434	\$ 14,626	\$ 76,305	\$ 52,964
Amortization of acquired intangible assets	1,008	—	1,958	—
Revenue associated with test reports delivered in prior periods	780	(3,515)	(3,324)	(176)
Adjusted gross margin (Non-GAAP)	<u>\$ 21,222</u>	<u>\$ 11,111</u>	<u>\$ 74,939</u>	<u>\$ 52,788</u>
Gross margin percentage (GAAP) ²	77.6 %	84.5 %	81.1 %	84.5 %
Adjusted gross margin percentage (Non-GAAP) ³	82.2 %	80.6 %	82.6 %	84.5 %

^{1.} Calculated as net revenues (GAAP) less the sum of cost of sales (exclusive of amortization of acquired intangible assets) and amortization of acquired intangible assets.

^{2.} Calculated as gross margin (GAAP) divided by net revenues (GAAP).

^{3.} Calculated as adjusted gross margin (Non-GAAP) divided by adjusted revenue (Non-GAAP).

Reconciliation Of Non-GAAP Financial Measures (Unaudited)

The table below presents the reconciliation of adjusted operating cash flow, which is a non-GAAP measure. See "Use of Non-GAAP Financial Measures (UNAUDITED)" on the previous slide for further information regarding the Company's use of non-GAAP financial measures.

	Three Months Ended December 31,		Twelve Months Ended December 31,	
	2021	2020	2021	2020
<i>(in thousands)</i>				
Adjusted operating cash flow				
Net cash (used in) provided by operating activities (GAAP)	\$ (2,781)	\$ (430)	\$ (18,983)	\$ 9,865
Medicare advance payment ¹	2,999	—	8,350	(8,350)
HHS provider relief funds ²	—	1,882	(1,882)	—
Adjusted operating cash flow (Non-GAAP)	<u>\$ 218</u>	<u>\$ 1,452</u>	<u>\$ (12,515)</u>	<u>\$ 1,515</u>

¹ In April 2020, we received an advance payment of \$8.3 million from the Centers for Medicare & Medicaid Service (CMS), for which recoupment has commenced in April 2021. We recorded the receipt of the payment as a liability on our balance sheet and, in accordance with GAAP, it is included in net cash provided by operating activities in the period received. We have excluded receipt of the advance payment from adjusted operating cash flow, but as claims were submitted for reimbursement and applied against this balance, we included the advance payment in adjusted operating cash flow to the extent that Medicare claims submitted for reimbursement were applied to the balance.

² We received a one-time payment of \$1.9 million in relief funds automatically allocated to Medicare providers under the Coronavirus Aid, Relief and Economic Security Act (CARES Act) from the U.S. Department of Health and Human Services (HHS).

APPENDIX



Leadership Team Overview

MANAGEMENT TEAM

Derek Maetzold

Founder, Director, President and CEO



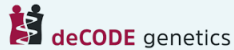
Frank Stokes

Chief Financial Officer



Toby Juvenal

Chief Commercial Officer



Stuart Pharmaceuticals

Kristen Oelschlager, RN, CHC

Chief Operating Officer



Robert Cook, PhD

Senior Vice President, Research & Development



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Matthew Goldberg, MD

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Recent Achievements And Expected Future Milestones

