

41st Annual J.P. Morgan Healthcare Conference

Dr. Helen Torley, President and CEO

January 10, 2023



Forward Looking Statements



In addition to historical information, the statements set forth in this presentation include forward-looking statements including, without limitation, statements concerning the Company's expected future financial performance (including the Company's financial outlook for 2022 and 2023) and expectations for profitability, revenue (including expectations for future royalties and product sales), cash flow, operating income, and earnings-per-share, and the Company's plans to repurchase shares under its share repurchase program and to potentially expand the Company's platform through acquisitions. Forward-looking statements regarding the Company's ENHANZE® drug delivery technology include the possible benefits and attributes of ENHANZE® including its potential application to aid in the dispersion and absorption of other injected therapeutic drugs and facilitating more rapid delivery and administration of larger volumes of injectable medications through subcutaneous delivery and potential to decrease treatment burden and decrease healthcare costs. Forward-looking statements regarding the Company's ENHANZE® business may include potential growth driven by our partners' development and commercialization efforts (including anticipated new clinical trial starts, study readouts, ENHANZE® product approvals and launches and the timing related to these events), projections for future sales revenue of our collaborators' products, potential new ENHANZE® collaborations, collaborative targets and indications for ENHANZE® products, co-formulation intellectual property and the Company's plans to develop a large volume auto-injector and new formulations of its API for longer intellectual property protection. These forward-looking statements are typically, but not always, identified through use of the words "believe," "enable," "may," "will," "could," "intends," "estimate," "anticipate," "plan," "predict," "probable," "potential," "possible," "should," "continue," and other words of similar meaning and involve risk and uncertainties that could cause actual results to differ materially from those in the forward-looking statements. Actual results could differ materially from the expectations contained in these forward-looking statements as a result of several factors, including unexpected levels of revenues (including royalty and milestone revenue received from our collaboration partners and product sales), expenditures and costs, unexpected delays in the execution of the Company's share repurchase program or planned platform expansion, unexpected results or delays in the growth of the Company's ENHANZE® business (including as a result of unexpected conversion rates), obtaining new co-formulation intellectual property, or in the development, regulatory review or commercialization of new formulations of the Company's API or its partners' ENHANZE® products, unexpected delays in the Company's plans to develop a large volume auto-injector, including any potential delays caused by the current COVID-19 global pandemic, regulatory approval requirements, unexpected adverse events or patient outcomes and competitive conditions. These and other factors that may result in differences are discussed in greater detail in the Company's most recently filed Annual Report on Form 10-K and Quarterly Reports on Form 10-Q filed with the Securities and Exchange Commission.

Non-GAAP Financial Measures:

In addition to disclosing financial measures prepared in accordance with U.S. generally accepted accounting principles (GAAP), these materials contain certain non-GAAP financial measures. The Company reports EBITDA and non-GAAP diluted earnings per share and expectations of those measures in addition to, and not as a substitute for, or superior to, financial measures calculated in accordance with GAAP. The Company uses Non-GAAP financial information in assessing what it believes is a meaningful and comparable set of financial performance measures to evaluate operating trends, as well as in establishing portions of our performance-based incentive compensation programs. The Company does not provide reconciliations of forward-looking adjusted measures to GAAP due to the inherent difficulty in forecasting and quantifying certain amounts that are necessary for such reconciliation, including adjustments that could be made for changes in contingent liabilities, share-based compensation expense and the effects of any discrete income tax items.

Note: This presentation contains product names, trademarks and registered trademarks that are property of their respective owners.

What We Do: License Drug Delivery Platforms to Partners, and Commercialize Specialty Products

Drug Delivery Platform Technologies

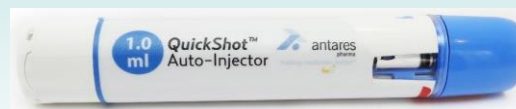
ENHANZE®

Commercially-Validated Sub-Cutaneous Delivery

- 5 approved partnered products
- Approved in 100+ countries
- >600,000 patients have received ENHANZE®- enabled treatments

Auto-Injectors

Commercialized & development stage devices for broad application



Commercial Portfolio

Specialty Products



2023 Select Financial Guidance Highlights

2022

2023

Total Revenue

\$655M - \$685M

\$815M - \$845M

>20% YoY growth

Royalty Revenue

\$350M - \$360M

\$445M - \$455M

>20% YoY growth

EBITDA

\$310M - \$335M

\$415M - \$440M

>30% YoY growth

Excludes impact of amortization costs in 2023 related to the Antares acquisition

Halozyme Investment Highlights



**Profitable, high-growth
biopharma company with
diversified revenue streams**



**New Potential Royalty
Revenue Opportunity**

- **2 Potential ENHANZE[®] SC Approvals in 2023**
- **2 Additional Potential ENHANZE[®] SC Approvals by 2025**



**New Opportunity 2023:
ENHANZE[®] plus large
volume auto-injectors
(LVAI)**

Halozyme: Delivering Strong & Durable Growth



01 Differentiated Growth Platforms

02 >\$1B ENHANZE® Opportunity

03 Specialty Product Opportunity

04 Durable Revenue and Financial Strength

The World Needs More Subcutaneous Large and Small Molecule Drug Delivery

Potential benefits for Patient and Caregivers



- **Decreased treatment burden**
 - Hours to minutes²
- **Improved patient experience**
 - Prefer SC vs. IV¹
 - Optionality⁵
- **Lower infusion related reactions**
IRRs^{3,4,6}

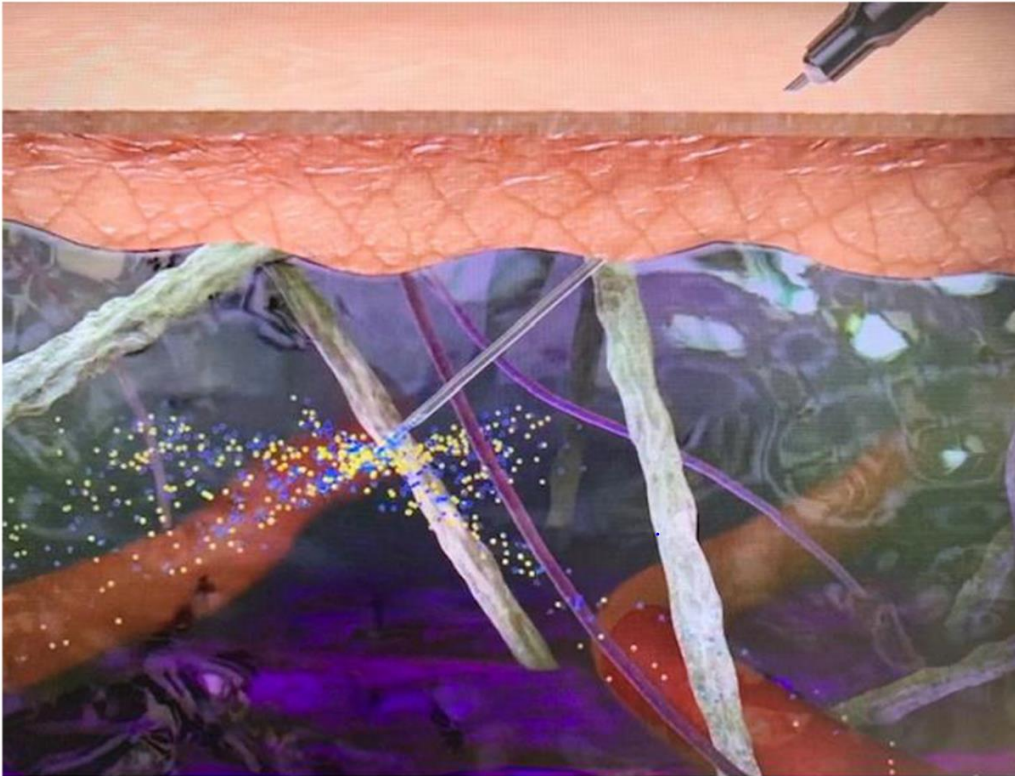
Potential benefits for **Healthcare System** (providers, nurses, pharmacists, payers)



- **Potential to decrease healthcare costs:**
 - Less use of more costly hospital/infusion centers⁷
 - Greater patient throughput for clinics
 - Decrease HCP time in administration⁷
 - Decreased drug wastage⁸
(fixed vs. weight-based dosing)

Sources: ¹ Piv ot X, Gligorov J, Müller V, et al. "Patients' Preference for SC vs. IV", Annals of Oncology, 2014; 3:4. ² Stephen P. Knowles, Marie A. Printz, David W. Kang, Michael J. LaBarre & Renee P. Tannenbaum (2021): Safety of recombinant human hyaluronidase PH20 for subcutaneous drug delivery, Expert Opinion on Drug Delivery, DOI: 10.1080/17425247.2021.1981286. ³ Chari A, Nahi H, Mateos M-V, et al. Presented at: ASH Annual Meeting; Dec 9-12, 2017; Atlanta, GA. ⁴ Lancet Haematol. "Subcutaneous versus intravenous daratumumab in patients with relapsed or refractory multiple myeloma (COLUMBA): a multicenter, open-label, non-inferiority, randomised, phase 3 trial"; 2020. ⁵ Wasserman RL, Melamed I, Stein M, et al. Meeting of the ACAA; Nov 3-8, 2011; Boston, MA. ⁶ Rummel M, Kim TM, Aversa F, et al. "Preference for subcutaneous or intravenous administration", Annals of Oncology 28, no 4 (2016): 836,838. ⁷ Chari A, Nahi H, Mateos M-V, et al. Presented at: ASH Annual Meeting; Dec 9-12, 2017; Atlanta, GA. ⁸ Sanchez, ClinicoEconomics and Outcomes Research: 2019: 695. ⁹ Hendriks, "Fixed Dosing of Monoclonal Antibodies in Oncology" The Oncologist 2017; 22; 1212-122.

ENHANZE®: Patented, De-risked, Commercial Platform Technology Enabling Rapid, Large Volume Subcutaneous Delivery of IV Drugs



What it does: ENHANZE® creates temporary space for SC fluid dispersion which returns to normal; reduces backpressure

ENHANZE®

Uniquely enables rapid SC delivery

- 5-15mL over 2-5 minutes
- 300-600mL at 5 mL/min

Decreased injection site swelling and induration

Aids absorption leading to increased bioavailability versus subcutaneous without ENHANZE®¹

Potential for decreased systemic infusion related reactions

¹ Morcos International Journal of Clinical Pharmacology and Therapeutics, Vol. 51 – No. 7/2013 (537-548)

Established Drug Delivery Leadership:

5 Globally-Approved Partner Products, Robust and Diverse Pipeline

5

Approved
Products

100+

Countries

>600,000

Patients have received
ENHANZE®-enabled SC
products

2 Partner Products in Regulatory Review

4 Partner Products in/soon to start Phase 3

8 Partner Products in/
completed Phase 1

Multiple Target Opportunities Open for ENHANZE®

Therapeutic Area	Targets Taken Exclusively	Available IV High Volume Targets*
Oncology	9	23
CNS	1	10
Hematologic	1	11
Autoimmune Diseases	4	8
Cardiovascular/Metabolic	0	6
Infectious Disease	5	5
TOTAL	20	63

Sources: Evaluate Ltd and Citeline Pharmaprojects

Halozyme Differentiated Proprietary and Partner Small Volume Auto-Injectors (SVAI), Commercially Available and Widely Licensable



QuickShot™ and BigShot™ Auto Injectors

1 mL and 2.25 mL
SC or IM



VIBEX™ Auto Injectors

1 mL
SC or IM



VAI™ Auto Injectors

2.25 mL
SC or IM



Pen Injector Systems

1.5 mL and 3.0 mL
multi-dose, disposable

XYOSTED®
(testosterone enanthate) injection ©



Undisclosed

idorsia
Selatogrel

teva

Generic EpiPen

teva

Generic Imitrex

Otrexup®
(methotrexate) injection
for subcutaneous use

Assertio Holdings

ATRS-1902
(development stage)

teva

Generic Forteo

8M units in 2022

NEW in 2023: ENHANZE® Plus Auto-Injector Facilitates >5mL to 10mL Auto-Injector

The ENHANZE logo features a stylized wave graphic above the word "ENHANZE" in a bold, blue, sans-serif font.

**Halozyme
Auto-Injector
Technology and
Know How**



**Large Volume
>5mL Auto-Injector**

- Creates space for fluid dispersion
- Reduces backpressure
- Reduces leakage to deliver planned dose

Customizable technology to meet partner needs

2023: Complete clinical feasibility testing

Halozyme: Delivering Strong & Durable Growth

01 Differentiated Growth Platforms






02 >\$1B ENHANZE® Opportunity

03 Specialty Product Opportunity

04 Durable Revenue and Financial Strength

ENHANZE®: Durable Revenue Potential and Strong Future Growth Opportunities

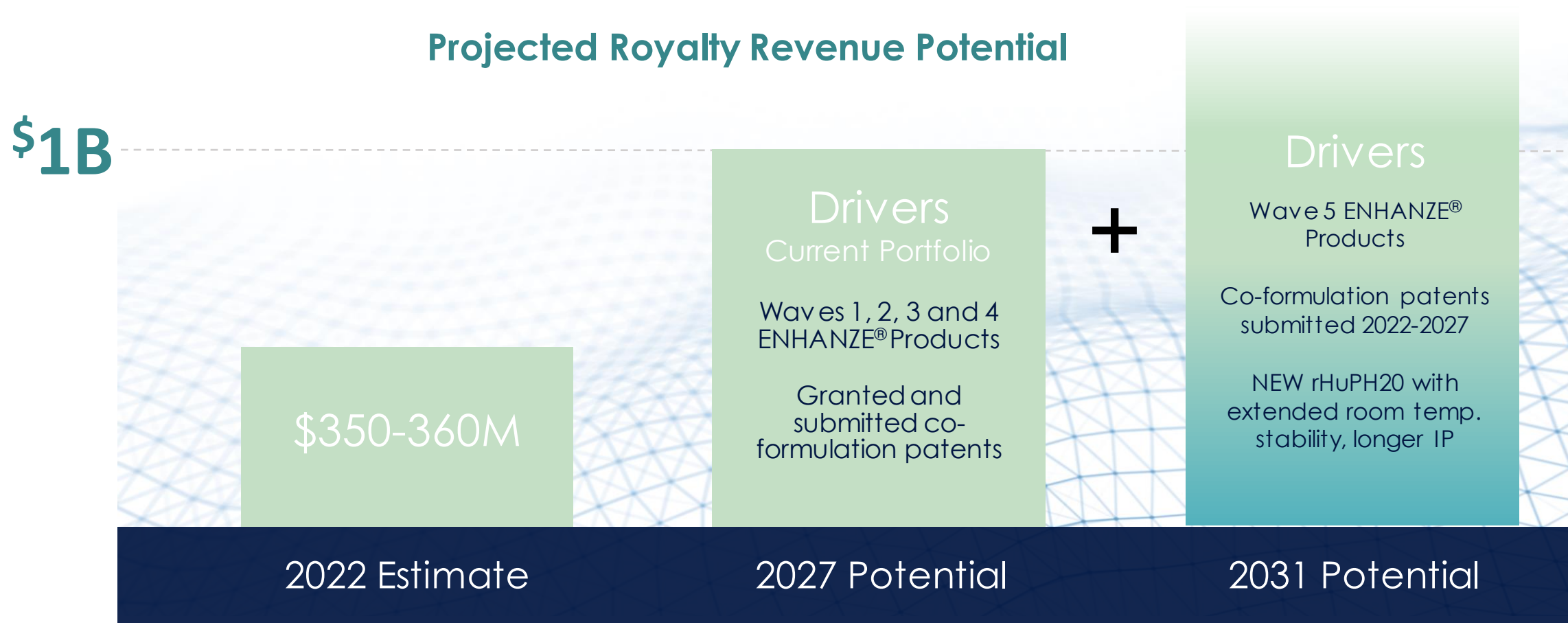


Waves 1 & 2 5 Globally-Approved Products	Wave 3 4 Product Candidates	Wave 4 10 Product Candidates	Wave 5
     Revenue drivers 2021+	Launch Potential 2023-2025 Efgartigimod SC* Atezolizumab SC** Nivolumab SC Ocrelizumab SC Revenue drivers 2023-2025	Launch Potential 2025-2027 8 in/completed Phase 1 2 in/soon to start Phase 3 Revenue drivers 2025-2027	Launch Potential 2027+ New nominations from current and new partners Revenue drivers 2027+

2021-2023 milestone revenue now projected to be \$330-360M¹

2022-2024 milestone revenue projection unchanged at \$450-\$500M¹

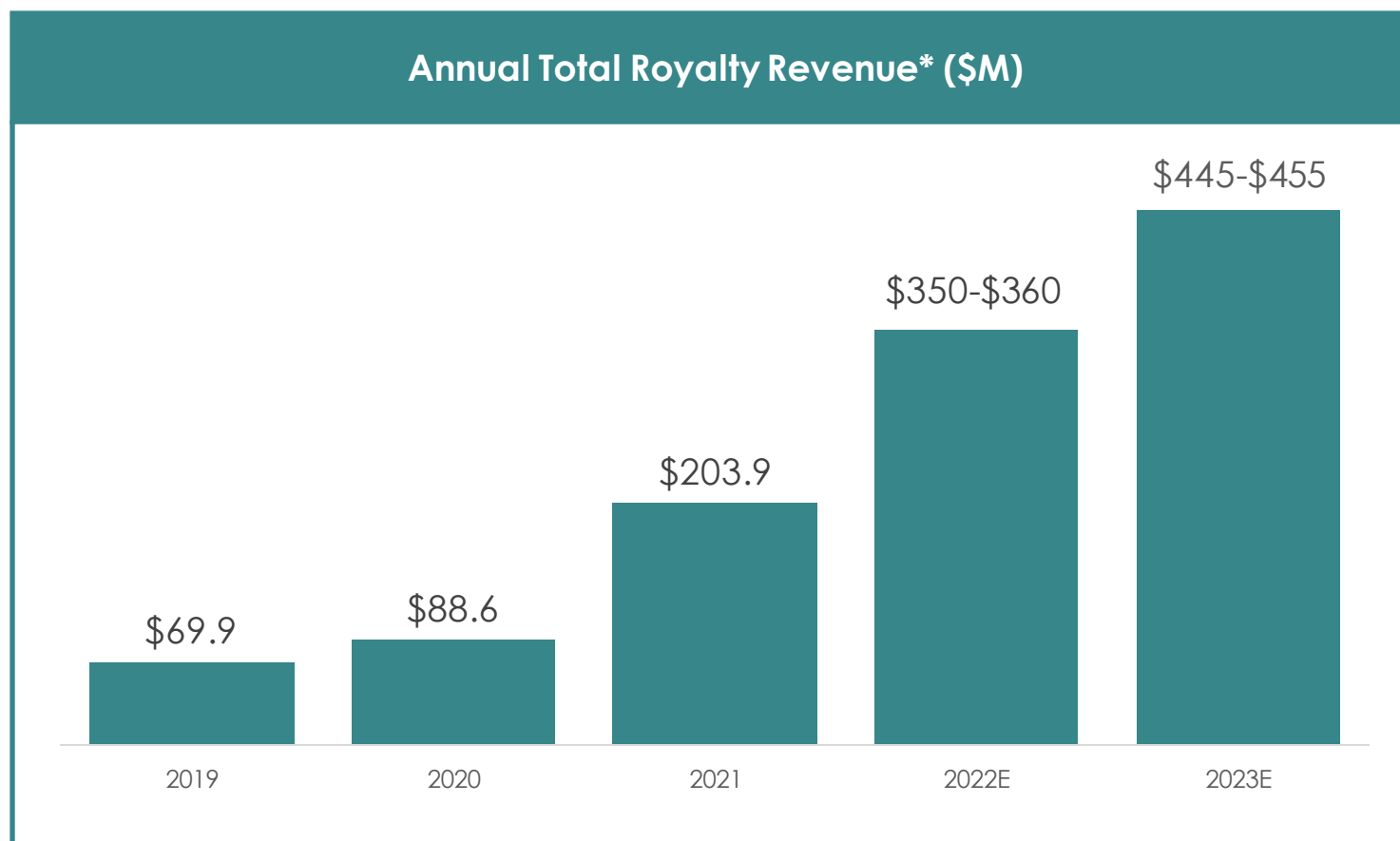
ENHANZE®: A Royalty Growth Story



2027 projection based on approved products and assumes global approval and launches of approximately 20 additional products in multiple indications. Includes projections for subcutaneous versions for targets not currently approved or commercially available. Assumes approved and under review co-formulation patents, Innovator revenues based on Bloomberg or Evaluate Ltd analyst-based estimates when available. Conversion rates based on Halozyme internal projections. Royalty revenue projections includes targets selected and not yet disclosed. Projected royalty revenue is not risk-adjusted. Royalty rate mid-single digit range across all products

Total Royalties: Projecting Record Royalty Revenue in 2023

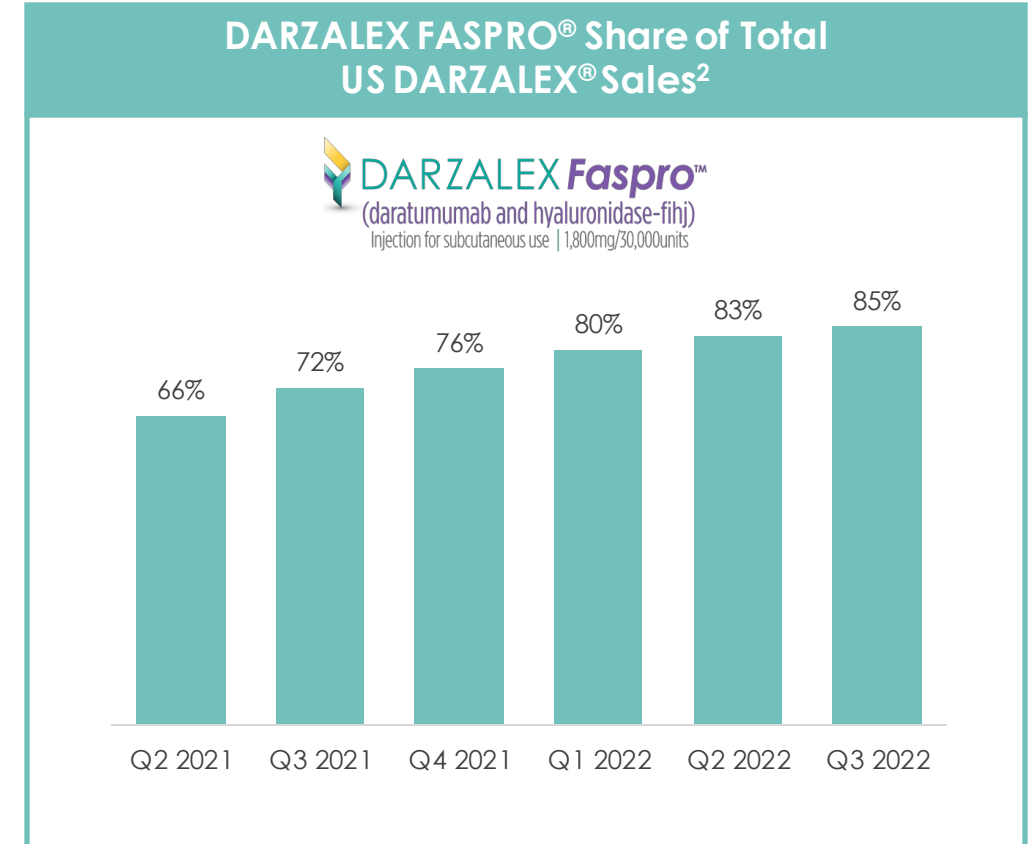
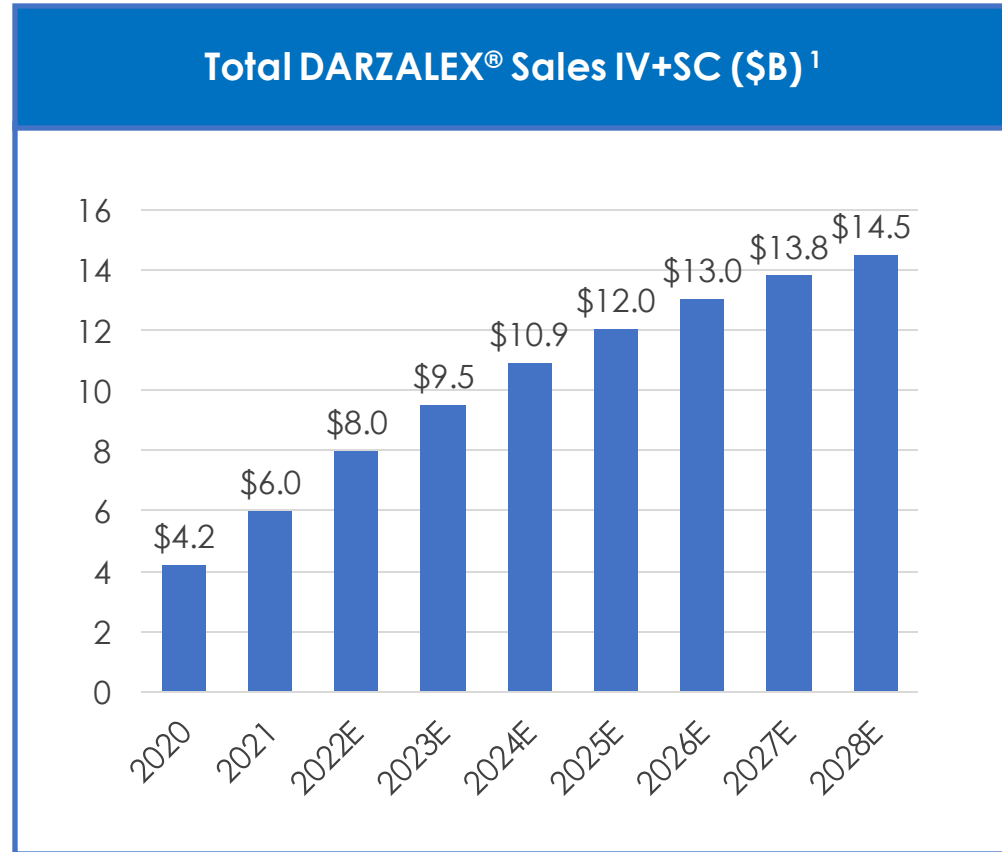
Projecting >20% growth in 2023



*Includes auto-injector royalties

Wave 2: Launch Growth Drivers

DARZALEX SC/FASPRO® Share and Revenue Growth Continues



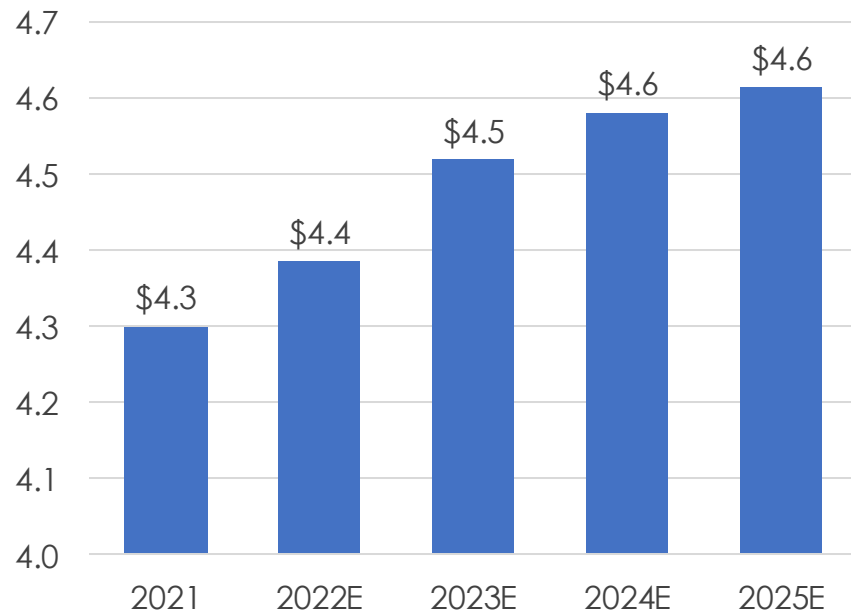
¹ Analysts' consensus from Evaluate Ltd October 2022

² 2022 Symphony Health (subscription data presented with permission)

Wave 2: Launch Growth Drivers

Phesgo[®] Share and Revenue Growth Continues

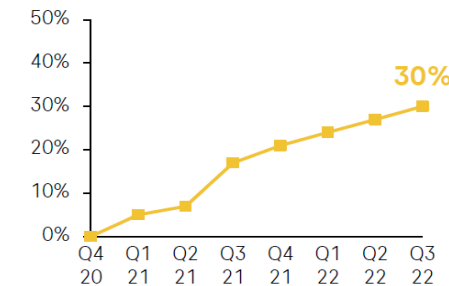
Total Perjeta[®] Sales (\$B) ¹



Phesgo^{®2}

Phesgo's strong global launch continues

Global Phesgo conversion rate*






- Phesgo conversion rate at 30% in early launch countries
- Phesgo significantly cuts healthcare costs and resource use
- P+H in eBC (APHINITY): 8-year follow up data presented at ESMO Virtual Plenary showing a 28% reduction in the risk of recurrence or death for high risk, lymph-node positive patients
- Ph III (heredERA) Phesgo + giredestrant in 1L HER2+/HR+ mBC initiated

¹ Analysts' consensus from Evaluate Ltd October 2022

² Roche's Third Quarter 2022 Results

*Phesgo[®] conversion rate is based on volumes (vials) and includes all launch countries after the 2nd quarter after the launch (25 countries).

Wave 3: Four Potential Launches 2023-2025

Products			Disease Areas	Milestones	Potential Launch ¹
	Efgartigimod	IV APPROVED (gMG)	gMyasthenia Gravis Other Indications	Completed SC with ENHANZE® BLA submission in September 2022 Additional SC with ENHANZE® data readouts projected in 2023	2023 for gMyasthenia Gravis
	Atezolizumab	IV APPROVED	Phase 3 in Non-Small Cell Lung Cancer ²	Submission to regulatory authorities ongoing	2023
	Ocrelizumab	IV APPROVED	Multiple Sclerosis	Phase 3 data readout projected in 2023	2024
Bristol Myers Squibb	Nivolumab	IV APPROVED	Phase 3 studies in: Clear Cell Renal Cell Carcinoma Melanoma	Phase 3 ongoing	TBD

¹ Halozyme assessment based on company statements on pivotal data availability. Assumes 6 months for BLA submission filing and 10-month FDA review.

² Roche pursuing label for multiple indications

Wave 3: Developing SC Versions of Diverse, Blockbuster Products

WAVE

01

02

03

04

Parent Products Projected at >\$30B in 2028¹

Efgartigimod

First-in-class anti-FcRn

Approved as IV
for Generalized Myasthenia
Gravis

Potential to address unmet
need in ~15 indications

Analysts' projections:
~\$4.7B in 2028¹

Atezolizumab

Leading anti-PDL1

Currently approved in 5
cancer types

Analysts' projections:
~\$7.0B in 2028¹

Nivolumab

Currently approved in
10+ cancer types

Analysts' projections:
~\$13.4B in 2028¹

Ocrelizumab

Number 1 Multiple Sclerosis
treatment US and EU 5²

Widely studied with long term
data

Analysts' projections:
~\$8.2B in 2028¹

¹ Analysts' consensus from Evaluate Ltd October 2022

² Roche's Third Quarter 2022 Results

Efgartigimod SC: Potential to Transform Treatment Approach for Patients with Autoimmune Diseases

Efgartigimod sales **\$4.7B** in 2028, with significant ex-US sales¹



Extensive SC Development and Large Opportunity

	SC	IV	SC status	WW Total Opportunity Projection 2028 ¹
gMyasthenia Gravis	✓	✓	US PDUFA date: March 20, 2023 Submitted EMA	\$2.1B
CIDP	✓		Phase 3 SC data: Q2 2023	\$1.2B
ITP	✓	✓	Positive IV data Phase 3 SC data: 2H 2023	\$0.5B
Pemphigus	✓		Phase 3 SC data: 2H 2023	\$0.3B
Bullous Pemphigoid	✓		Phase 2/3 ongoing	\$0.4B
Myositis	✓		Phase 2/3 ongoing	

ENHANZE®
Potential Impact

- Rapid, SC injection ~1 minute versus 60 minutes for IV
- May facilitate penetration into early disease patients

¹ Analysts' consensus and projections from Evaluate Ltd October 2022

Atezolizumab SC: Potential to Reduce Treatment Burden, Help Alleviate Infusion Clinic Capacity Constraints

Total Atezolizumab sales ~\$7B in 2028, with significant ex-US sales¹



SC Opportunity

TECENTRIQ Monotherapy +/- Oral Therapy

FDA Approved Indications

Non-Small Cell
Lung Cancer

Melanoma

Alveolar Soft Part Sarcoma

TECENTRIQ IV Combination Indications

FDA Approved Indications

Non-Small Cell
Lung Cancer

Hepatocellular Cancer

Small Cell Lung Cancer

ENHANZE® Potential Impact

- Submission to regulatory authorities ongoing, seeking approval across all indications
- Rapid SC injection over 7 minutes versus 30-60 mins IV
- Potential to reduce healthcare utilization and reduce cost in monotherapy and combination setting
- May be appropriate for out of hospital administration by a healthcare professional

¹ Analysts' consensus and projections from Evaluate Ltd October 2022

Nivolumab SC: Potential to Reduce Treatment Burden, Help Alleviate Infusion Clinic Capacity Constraints

Total Nivolumab sales ~\$13.4B in 2028, with significant ex-US sales¹



ENHANZE®
Potential Impact

- Phase 3 SC Opdivo monotherapy studies ongoing
 - Renal Cell Carcinoma
 - Melanoma
- Phase 3 Nivolumab and Relatlimab SC fixed combination in Melanoma study soon to start

¹ Analysts' consensus and projections from Evaluate Ltd October 2022

Ocrelizumab SC: Meaningful Reduction in Administration and Observation Schedule Adds to Competitive Profile

Ocrelizumab sales ~\$8.2B in 2028, with significant ex-US sales¹



¹ Analysts' consensus and projections from Evaluate Ltd October 2022

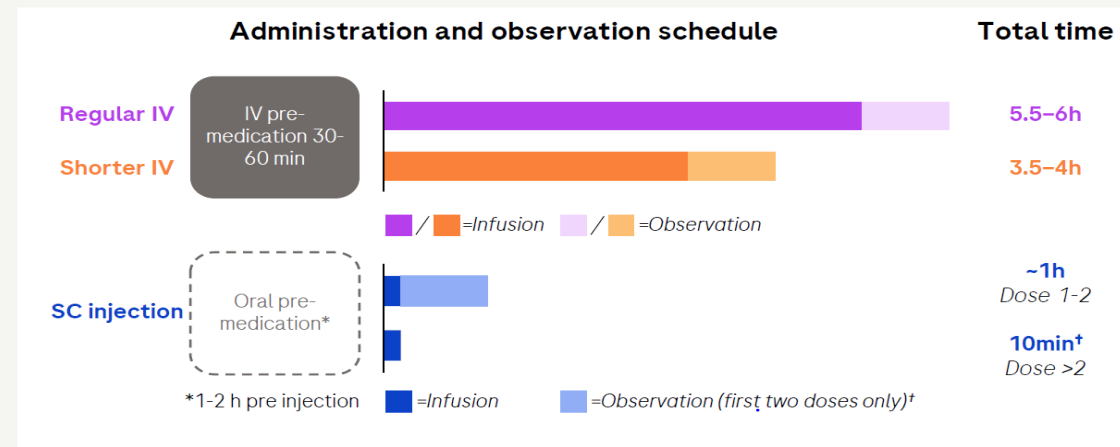
² Roche's Third Quarter 2022 Results

RMS=relapsing multiple sclerosis; PPMS=primary progressive MS; Q6M=dosing every 6 months

ENHANZE®
Potential Impact

ENHANZE® could reduce administration and observation schedule to 60 mins for first 2 doses and **10 mins for all subsequent doses**²

Ocrevus SC will retain Q6M dosing



- Ph III (OCARINA II) evaluating subcutaneous Q6M dosing of Ocrevus for non-inferiority vs Ocrevus IV in RMS & PPMS with data expected in 2023
- Increases potential for Ocrevus use in centers with IV capacity constraints
- Final dose monitoring requirements for SC subject to regulatory review

Wave 4: Multiple Potential Launches

Analysts' Consensus Revenue For All Parent Products in 2028: >\$60B¹

ONCOLOGY

Nivolumab+Relatlimab
(BMS)
IV APPROVED
SC soon to start Phase 3

Amivantamab (Janssen)
IV APPROVED
SC in Phase 3

IMMUNE/ AUTOIMMUNE

Teprotumumab-trbw
(Horizon)
IV APPROVED

ARGX-117 (argenx)

TAK-881 (Takeda)

HIV

N6LS bnAb (ViiV)
Cabotegravir (ViiV)
**Oral and IM
APPROVED**

Rilpivirine (Janssen)
Oral APPROVED

In or have completed Phase 1

¹ Analysts' consensus for Wave 1-4 products from Evaluate Ltd. October 2022 excluding, ARGX-117 (argenx), undisclosed (Roche), undisclosed (Chugai), TAK-881 (Takeda) and N6LS(Viiv)

Table excludes Roche undisclosed target, Chugai undisclosed target, each in Phase 1

Halozyme: Delivering Strong & Durable Growth

01 Differentiated Growth Platforms

02 >\$1B ENHANZE® Opportunity



03 **Specialty Product Opportunity**

04 Durable Revenue and Financial Strength

Testosterone Replacement Therapy Portfolio:

Targeting to Generate >\$100M XYOSTED Revenue in 2023



FOCUS

XYOSTED®
(testosterone enanthate) injection 

Once-a-week dosing

Virtually painless
subcutaneous injection using
auto-injector technology

21 Orange Book-listed
patents extending to 2038

Launched November 2018

FOCUS

 **TLANDO®**
(testosterone undecanoate) 

2X/daily oral
administration

First oral TRT without
titration requirement

Launched June 2022

OPPORTUNITY

~8.5M TRX prescribed for
testosterone replacement
therapy in 2022

Growing ~5% YOY

Switch strategy from
IM and gels

**Each 1% share gain
~\$20M in net sales**

Halozyme: Delivering Strong & Durable Growth

01 Differentiated Growth Platforms

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04 Durable Revenue and Financial Strength

Halozyme Strategic and Capital Allocation Priorities



Invest to Maximize Revenue Growth and Durability

- ENHANZE®
- Auto-injector innovation
- Commercial opportunity



Continue to Return Capital to Shareholders

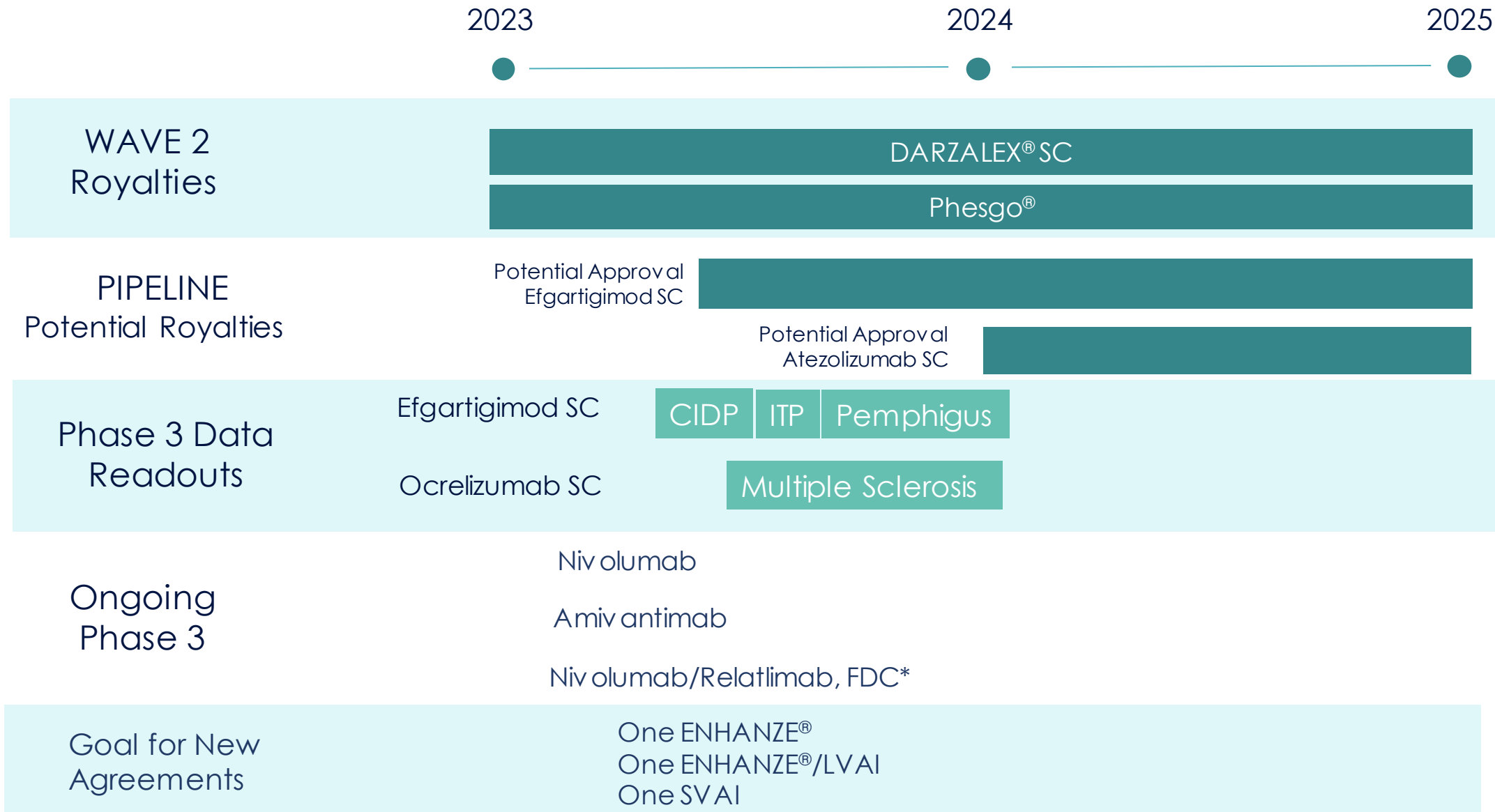
- Second Plan: December 2021
\$750M 3-year share buyback
- \$350M completed through December 2022
 - \$150M planned in 2023 pending market conditions and other factors



Identify Opportunities for External Growth

- Focus on integration
- Continue to evaluate opportunities to accelerate and extend revenue

2023: Projected Acceleration in Royalty Generating Products



* Phase 3 soon to start

2023 Financial Guidance Highlights

	2022	2023	
Total Revenue	\$655M - \$685M	\$815M - \$845M	<ul style="list-style-type: none"> • >20% YoY growth • Product Sales expected to increase due to full year Antares contribution and increasing ENHANZE API demand • Includes one new deal milestones • Total collaboration revenue expected to be relatively flat compared to 2022
Royalty Revenue	\$350M - \$360M	\$445M - \$455M	<ul style="list-style-type: none"> • >20% YoY growth • Continued DARZALEX® and Phesgo® uptake and full year Antares device royalty contribution
EBITDA	\$310M - \$335M	\$415M - \$440M	<ul style="list-style-type: none"> • >30% YoY growth • Excludes impact of amortization costs in 2023 related to the Antares acquisition
Non-GAAP Diluted EPS	\$2.10 - \$2.25	\$2.50 - \$2.65	<ul style="list-style-type: none"> • Strong double-digit growth, >10% YoY • Excludes impact of future share repurchases

Appendix

ENHANZE[®] Partner Product Development Pipeline

Wave 3 Pipeline

Current Program/Product	Indications	Phase 1	Phase 2	Phase 3	Filed
Wave 3					
Efgartigimod (argenx)	MG				
Atezolizumab (Roche)	NSCLC				
Ocrelizumab (Roche)	Multiple sclerosis				
Nivolumab (BMS)	RCC				
Nivolumab (BMS)	Melanoma				
Efgartigimod (argenx)	CIDP				
Efgartigimod (argenx)	Immune thrombocytopenia				
Efgartigimod (argenx)	Pemphigus				
Efgartigimod (argenx)	Bullous Pemphigoid (BP)				
Efgartigimod (argenx)	Myositis				

ENHANZE[®] Partner Product Development Pipeline

Wave 4 Pipeline

Current Program/Product	Indications	Phase 1	Phase 2	Phase 3	Filed
Wave 4					
Amivantamab (Janssen)	Solid malignancies	<div></div>			
Nivolumab+Relatlimab (BMS)	Solid tumors	<div></div> Phase 3 to start soon			
ARGX-117 (argenx)	Multifocal motor neuropathy	<div></div>			
Teprotumumab-trbw (Horizon)	Thyroid Eye Disease	<div></div>			
Rilpivirine (Janssen)	HIV	<div></div>			
Undisclosed (Roche)	Undisclosed	<div></div>			
TAK-881 (Takeda)	Immune	<div></div>			
Cabotegravir (ViiV)	HIV	<div></div>			
N6LS bnAb (ViiV)	HIV (treatment)	<div></div>			
Undisclosed (Chugai)	Undisclosed	<div></div>			