



insmed[®]

J.P. Morgan Healthcare Conference

January 2024



Forward-Looking Statements

This presentation contains forward-looking statements that involve substantial risks and uncertainties. "Forward-looking statements," as that term is defined in the Private Securities Litigation Reform Act of 1995, are statements that are not historical facts and involve a number of risks and uncertainties. Words herein such as "may," "will," "should," "could," "would," "expects," "plans," "anticipates," "believes," "estimates," "projects," "predicts," "intends," "potential," "continues," and similar expressions (as well as other words or expressions referencing future events, conditions or circumstances) may identify forward-looking statements.

The forward-looking statements in this presentation are based upon the Company's current expectations and beliefs, and involve known and unknown risks, uncertainties and other factors, which may cause the Company's actual results, performance and achievements and the timing of certain events to differ materially from the results, performance, achievements or timings discussed, projected, anticipated or indicated in any forward-looking statements. Such risks, uncertainties and other factors include, among others, the following: failure to obtain, or delays in obtaining, regulatory approvals for ARIKAYCE outside the United States (U.S.), Europe or Japan, or for the Company's product candidates in the U.S., Europe, Japan or other markets, including separate regulatory approval for the Lamira® Nebulizer System in each market and for each usage; failure to successfully commercialize ARIKAYCE, the Company's only approved product, in the U.S., Europe or Japan (amikacin liposome inhalation suspension, Liposomal 590 mg Nebuliser Dispersion, and amikacin sulfate inhalation drug product, respectively), or to maintain U.S., European or Japanese approval for ARIKAYCE, or failure to successfully commercialize any of the Company's product candidates in the future; business or economic disruptions due to catastrophes or other events, including natural disasters or public health crises; impact of the COVID-19 pandemic and efforts to reduce its spread on the Company's business, employees, including key personnel, patients, partners and suppliers; risk that brensocatib or TPIP does not prove to be effective or safe for patients in ongoing and future clinical studies, including, for brensocatib, the ASPEN study; uncertainties in the degree of market acceptance of ARIKAYCE by physicians, patients, third-party payors and others in the healthcare community; the Company's inability to obtain full approval of ARIKAYCE from the U.S. Food and Drug Administration, including the risk that the Company will not successfully or in a timely manner validate a PRO tool and complete the confirmatory post-marketing clinical trial required for full approval of ARIKAYCE; inability of the Company, PARI or the Company's other third-party manufacturers to comply with regulatory requirements related to ARIKAYCE or the Lamira® Nebulizer System; the Company's inability to obtain adequate reimbursement from government or third-party payors for ARIKAYCE or acceptable prices for ARIKAYCE or for the Company's other product candidates; development of unexpected safety or efficacy concerns related to ARIKAYCE, brensocatib, Trepstinil Palmitil Inhalation Powder (TPIP) or the Company's other product candidates; inaccuracies in the Company's estimates of the size of the potential markets for ARIKAYCE, brensocatib, TPIP or the Company's other product candidates or in data the Company has used to identify physicians, expected rates of patient uptake, duration of expected treatment, or expected patient adherence or discontinuation rates; the risks and uncertainties associated with, and the perceived benefits of, the Company's secured senior loan with certain funds managed by Pharmakon Advisors, LP and the Company's royalty financing with OrbiMed Royalty & Credit Opportunities IV, LP, including the Company's ability to maintain compliance with the covenants in the agreements for the senior secured loan and royalty financing and the perceived impact of the restrictions on the Company's operations under these agreements; the Company's inability to create an effective direct sales and marketing infrastructure or to partner with third parties that offer such an infrastructure for distribution of ARIKAYCE or any of the Company's product candidates that are approved in the future; failure to obtain regulatory approval to expand ARIKAYCE's indication to a broader patient population; risk that the Company's competitors may obtain orphan drug exclusivity for a product that is essentially the same as a product the Company is developing for a particular indication; failure to successfully predict the time and cost of development, regulatory approval and commercialization for novel gene therapy products; failure to successfully conduct future clinical trials for ARIKAYCE, brensocatib, TPIP and the Company's other product candidates

due to the Company's limited experience in conducting preclinical development activities and clinical trials necessary for regulatory approval and its potential inability to enroll or retain sufficient patients to conduct and complete the trials or generate data necessary for regulatory approval, among other things; risks that the Company's clinical studies will be delayed, that serious side effects will be identified during drug development, or that any protocol amendments submitted will be rejected; risks that interim or partial data sets are not representative of a complete or larger data set or that blinded data will not be predictive of unblinded data; failure of third parties on which the Company is dependent to manufacture sufficient quantities of ARIKAYCE or the Company's product candidates for commercial or clinical needs, to conduct the Company's clinical trials, or to comply with the Company's agreements or laws and regulations that impact the Company's business or agreements with the Company; the Company's inability to attract and retain key personnel or to effectively manage the Company's growth; the Company's inability to successfully integrate its recent acquisitions and appropriately manage the amount of management's time and attention devoted to integration activities; risks that the Company's acquired technologies, products and product candidates are not commercially successful; the Company's inability to adapt to its highly competitive and changing environment; risk that the Company is unable to maintain its significant customers; risk that government healthcare reform materially increases the Company's costs and damages its financial condition; deterioration in general economic conditions in the U.S., Europe, Japan and globally, including the effect of prolonged periods of inflation, affecting the Company, its suppliers, third-party service providers and potential partners; the Company's inability to adequately protect its intellectual property rights or prevent disclosure of its trade secrets and other proprietary information and costs associated with litigation or other proceedings related to such matters; restrictions or other obligations imposed on the Company by agreements related to ARIKAYCE or the Company's product candidates, including its license agreements with PARI and AstraZeneca AB, and failure of the Company to comply with its obligations under such agreements; the cost and potential reputational damage resulting from litigation to which the Company is or may become a party, including product liability claims; risk that the Company's operations are subject to a material disruption in the event of a cybersecurity attack or issue; the Company's limited experience operating internationally; changes in laws and regulations applicable to the Company's business, including any pricing reform, and failure to comply with such laws and regulations; the Company's history of operating losses, and the possibility that the Company may never achieve or maintain profitability; goodwill impairment charges affecting the Company's results of operations and financial condition; inability to repay the Company's existing indebtedness and uncertainties with respect to the Company's ability to access future capital; and delays in the execution of plans to build out an additional third-party manufacturing facility approved by the appropriate regulatory authorities and unexpected expenses associated with those plans.

The Company may not actually achieve the results, plans, intentions or expectations indicated by the Company's forward-looking statements because, by their nature, forward-looking statements involve risks and uncertainties because they relate to events and depend on circumstances that may or may not occur in the future. For additional information about the risks and uncertainties that may affect the Company's business, please see the factors discussed in Item 1A, "Risk Factors," in the Company's Annual Report on Form 10-K for the year ended December 31, 2022 and any subsequent Company filings with the Securities and Exchange Commission (SEC).

The Company cautions readers not to place undue reliance on any such forward-looking statements, which speak only as of the date of this presentation. The Company disclaims any obligation, except as specifically required by law and the rules of the SEC, to publicly update or revise any such statements to reflect any change in expectations or in events, conditions or circumstances on which any such statements may be based, or that may affect the likelihood that actual results will differ from those set forth in the forward-looking statements.



2024: The Year of Insméd's Transformation

Brensocatib ASPEN Readout in Bronchiectasis

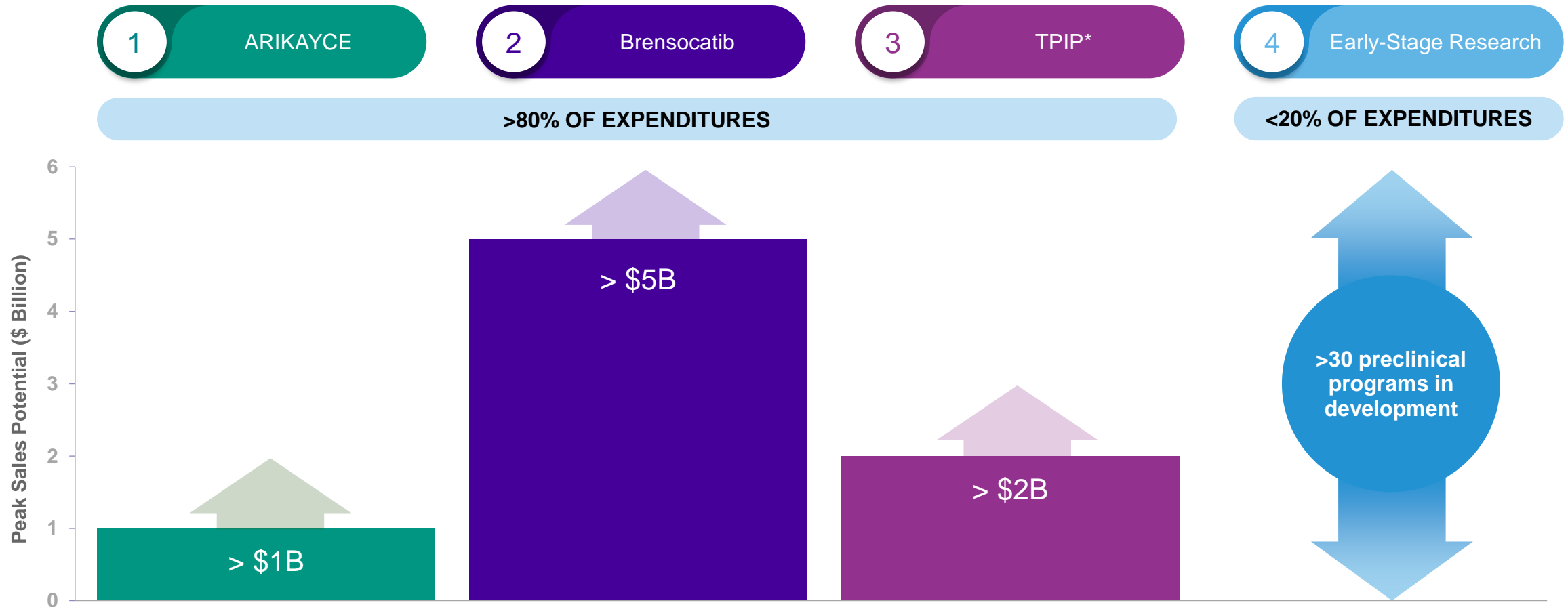
First Phase 2 TPIP Readout in PH-ILD

Advance ARIKAYCE[®] Toward Label Expansion

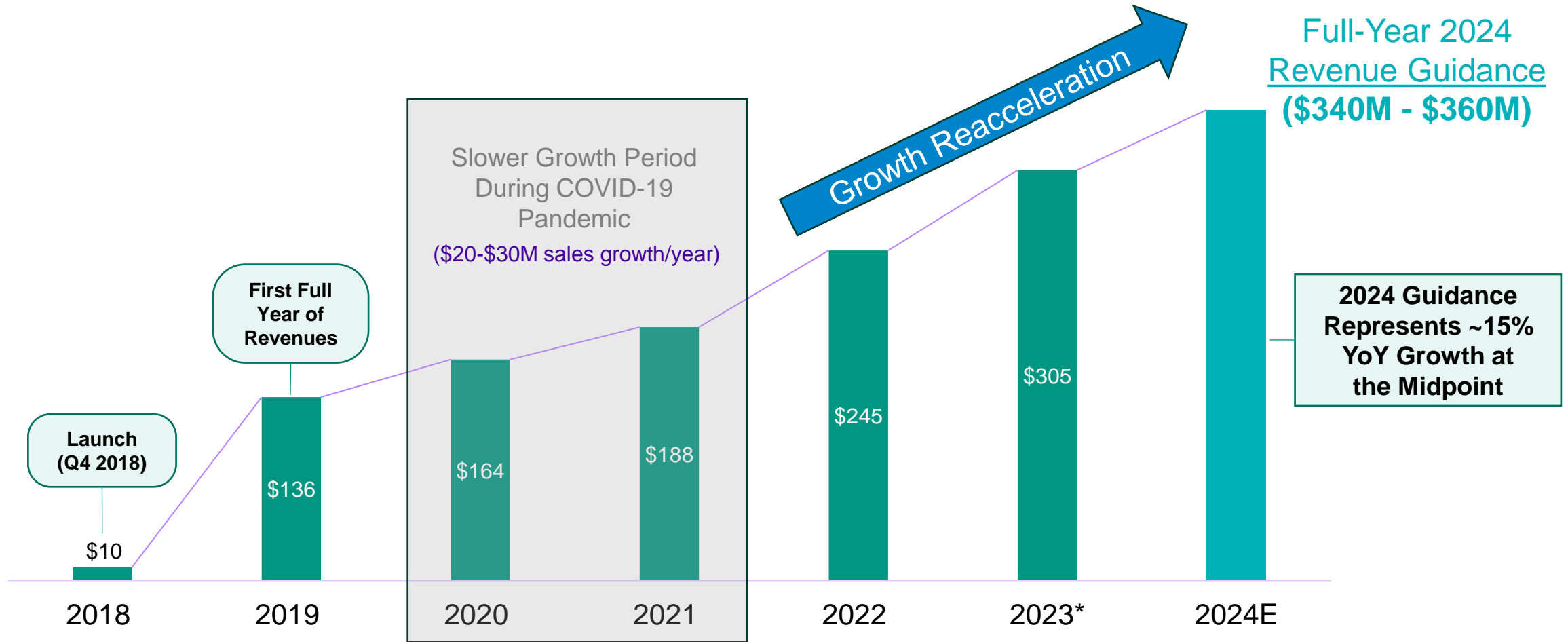
Continued Progress on Cutting-Edge Early Pipeline

***The Stage is Set for a
Breakout Year
Rarely Seen in Biotech***

Three Programs with Peak Sales Potential > \$1 Billion Each



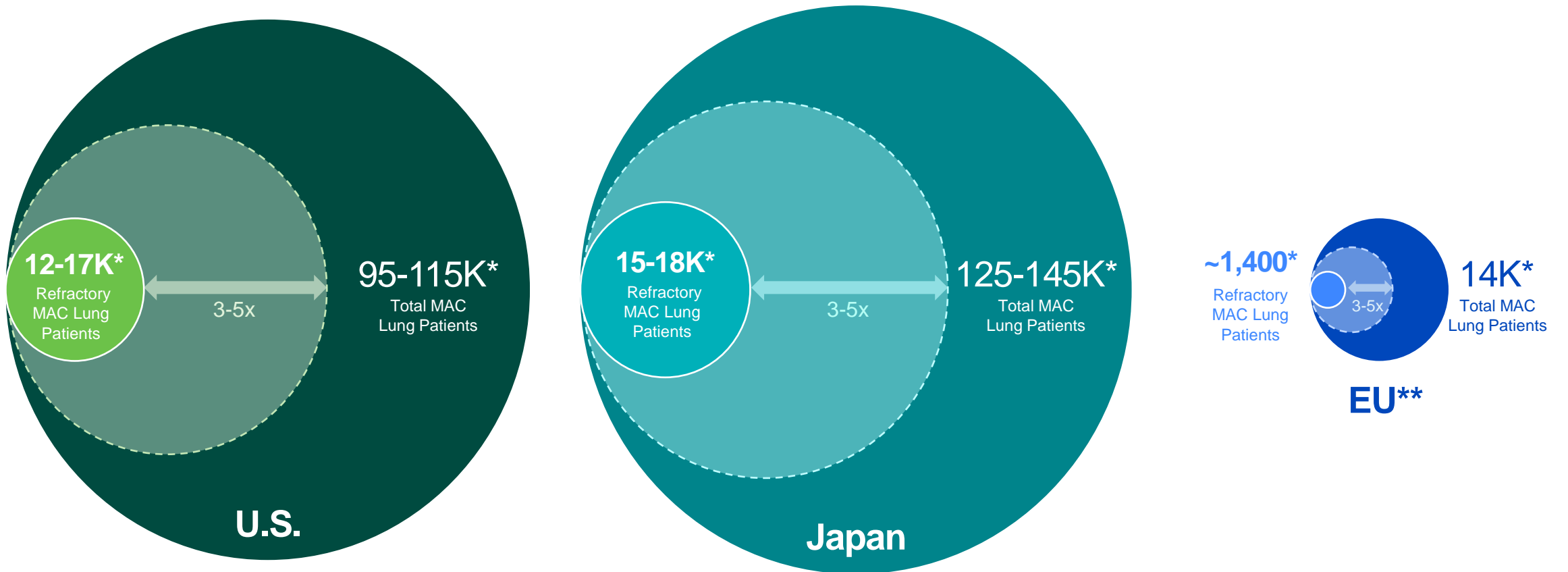
ARIKAYCE Expected to Continue to Deliver Strong Double-Digit Revenue Growth Globally in 2024



*Revenues for 2023 are unaudited.

ARIKAYCE Expected to be a >\$1 Billion Peak Sales Product Assuming Label Expansion to Include All Patients with MAC Lung Disease

Newly diagnosed NTM MAC could expand the ARIKAYCE commercial opportunity by 3-5 times



Brensocatib: ASPEN on Track to Read Out in 2Q24

Need One Dose to Win for Regulatory and Commercial Success

Anticipated commercial launch timing: Mid-2025²

ONE DOSE (either 10mg or 25mg)
achieves a **p-value¹ < 0.01**



Clear Win

ONE DOSE (either 10mg or 25mg)
achieves a **p-value¹ < 0.05**

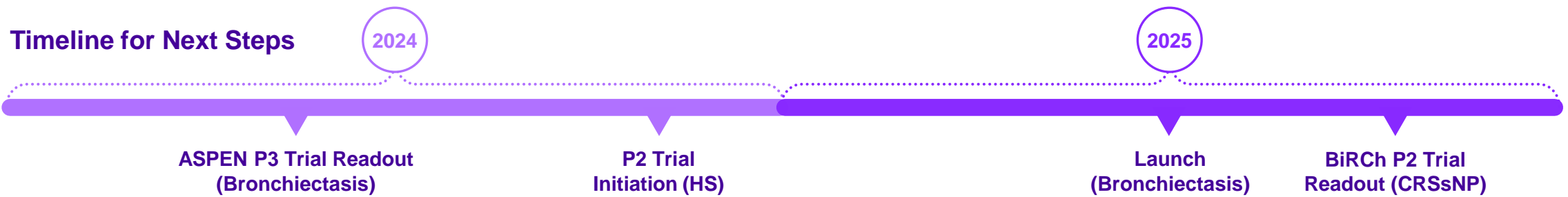


Can File³

5th and Final DSMC⁴ Meeting Held in November 2023

If ASPEN Succeeds, Brensocatib Expected to Become a \$5+ Billion Peak Sales Product

	Total Addressable Market (global)	Current Treatment Landscape
Bronchiectasis ^{1,2,3}	~1M	No approved treatments
Chronic Rhinosinusitis w/o Nasal Polyps (CRSsNP) ^{4,5,6,7}	~400K	
Hidradenitis Suppurativa (HS) ^{8,9}	~250K	Treatment includes multiple therapies and/or surgery



¹Assumes indication for non-cystic fibrosis bronchiectasis and approval in US, European 5, and Japan. ²Weycker, et al. Prevalence and incidence of NCFBE among US adults in 2013. Chronic Respiratory Disease. 2017. ³Insmad: Patient Level Claims Data Analysis and Internal Market Research; Ex-US estimates based on published epidemiology research, Insmad market research, and extrapolation of US-focused claims and epi data analysis (sourced from swoop/ipm.ai). ⁴Cho et. al. Chronic Rhinosinusitis without Nasal Polyps J Allergy Clin Immunol Pract. 2016 ; 4(4): 575–582. doi:10.1016/j.jaip.2016.04.015. ⁵Benjamin et. al. Clinical Characteristics of Patients with Chronic Rhinosinusitis without Nasal Polyps in an Academic Setting, J ALLERGY CLIN IMMUNOL PRACT VOLUME 7, NUMBER 3, MARCH 2019. ⁶Patient level claims data analysis US ONLY (Komodo Health), proportion of actively managed CRS patients with no Dx codes for Nasal Polyps in patient history; Extrapolated to European 5 and Japan. ⁷Patient level claims data analysis US ONLY (Komodo Health), proportion of actively managed CRSsNP patients with ESS; Extrapolated to European 5 and Japan. ⁸Phan et al, Global prevalence of hidradenitis suppurativa and geographical variation—systematic review and meta-analysis Biomedical Dermatology (2020) 4:2. ⁹Puri, Ajay: Hidradenitis Suppurativa Executive Insights, DRG Nov 2019.

TPIP: Multiple Clinical Readouts Expected in 2024 and 2025

“The hemodynamic changes are stunning...” KOL comment on the blinded results shared in Oct. 2023

PH-ILD

- Phase 2 study fully enrolled (Nov. 2023)
- Topline readout expected **pre-ASPEN** (Q2 2024)

PAH

- 45 patients enrolled in Phase 2 study (YE 2023)
- ~47% average PVR reduction among responders*
- Phase 2 topline data in 2025
- Doubling dose ceiling to 1,280µg from 640µg

>80% of all study participants reached the maximum dose in just 5 weeks*

TPIP: Upcoming Phase 2 Data in PH-ILD Primarily Meant to Characterize Safety Profile

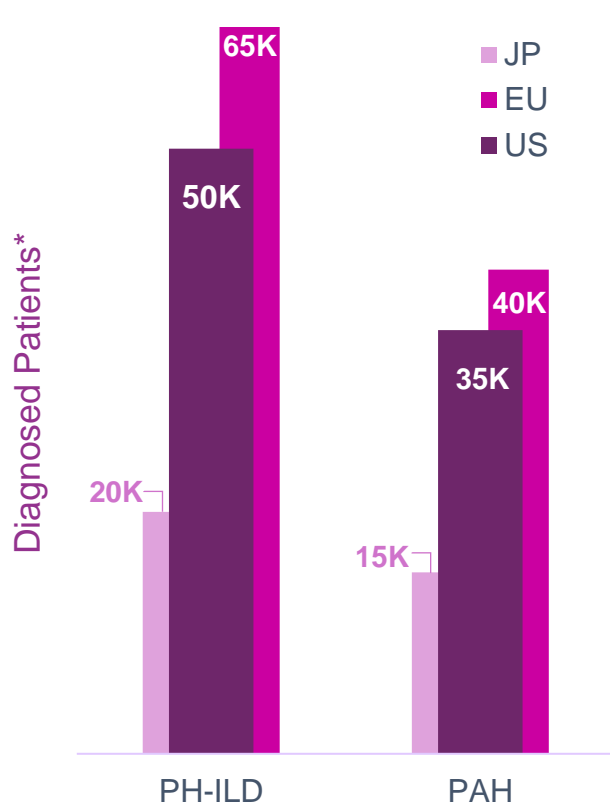
- Favorable tolerability profile in patients with PH-ILD
- Highest dose (640µg) achieved in majority of patients
- Treatment-emergent adverse events consistent with underlying disease
- Pharmacokinetic endpoints are consistent with preclinical data¹



Clear Win

**The PH-ILD Phase 2 is a SAFETY study
and is not powered to show statistical differences**

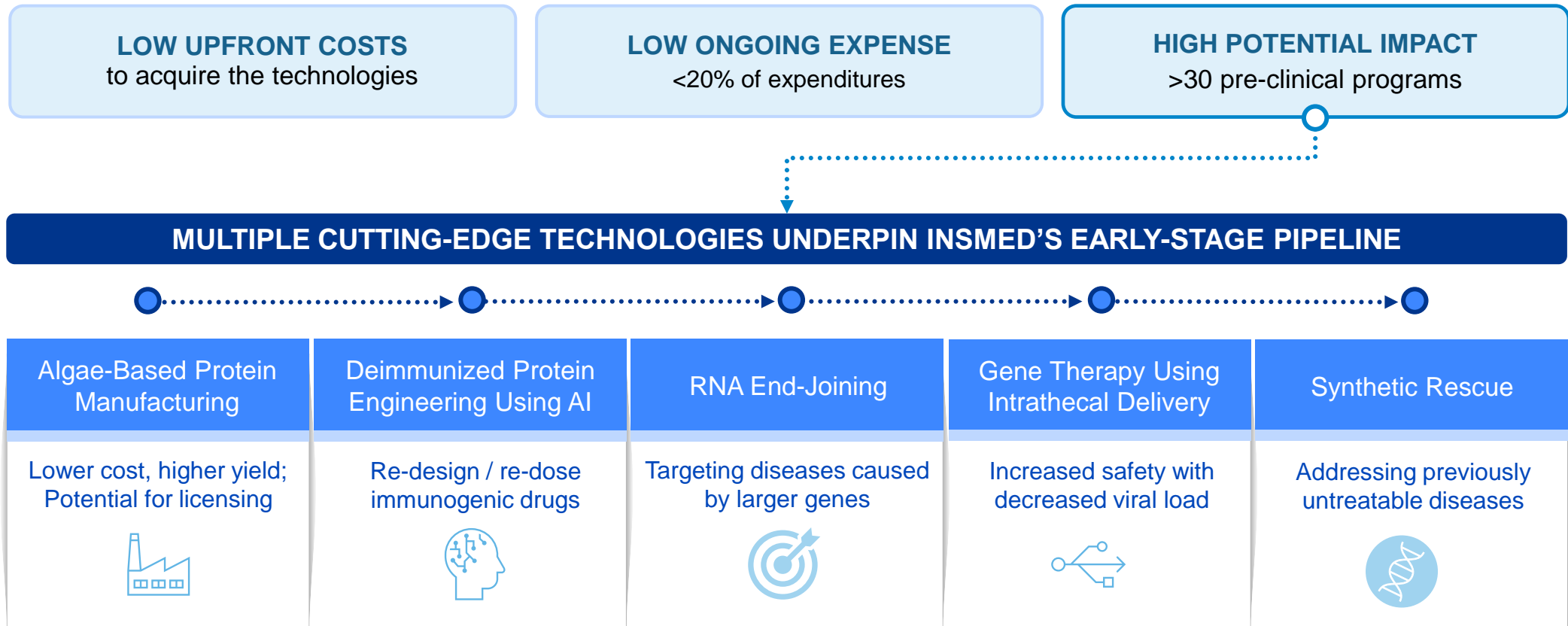
TPIP Has the Potential to be the Prostanoid of Choice in the Multi-Billion Dollar PH-ILD and PAH Markets



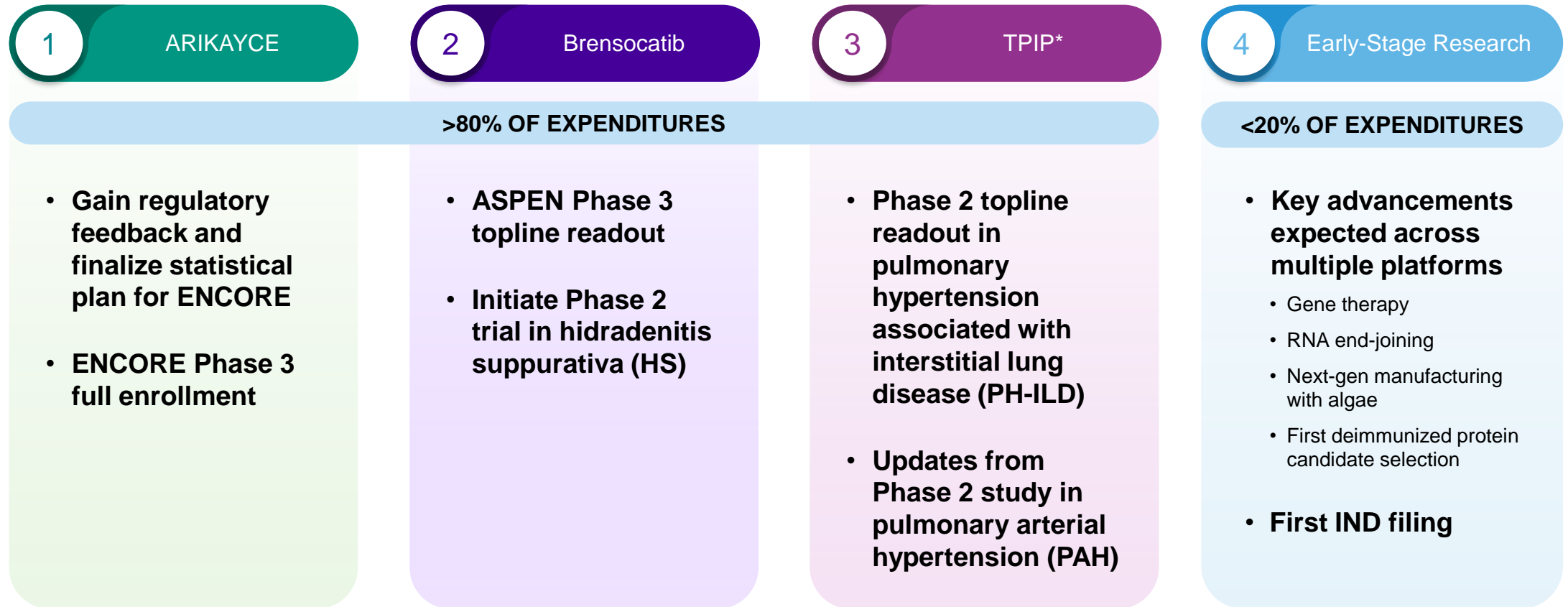
	TPIP	Remodulin®	Tyvaso®	Yutrepia®	Orenitram®	Uptravi®
Route of administration	Inhaled (dry powder)	IV or Subcutaneous	Inhaled (nebulized and dry powder)	Inhaled (dry powder)	Oral	Oral
Dosing frequency	Once daily	Continuous	4x per day	4x per day	2x or 3x per day	2x per day
Favorable tolerability for expanded / higher dose	Yes**	Yes	No	No	No	No
Efficacy in PAH (WHO Group 1)	To be evaluated in Phase 2 and Phase 3	Yes	Yes	Yes	Yes	Yes
Efficacy in PH-ILD (WHO Group 3)	Pursuing in parallel to PAH	No data	Yes	Yes	No data	No data

EU: European 5 comprised of France, Germany, Italy, Spain and the United Kingdom; *Coultais DB et al, "The epidemiology of interstitial diseases", Am J Respir Crit Care Med, 1994; Ryu et al., "Pulmonary hypertension in patients with interstitial lung disease." Mayo Clinic Proceedings, 2007; Anderson et al., "Pulmonary hypertension in interstitial lung disease: prevalence, prognosis and 6 min walk test." Respir Med, 2012; Kirson N et al, "Prevalence of pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension in the United States", Jul 2011; Analysis of Compile Health claims; Meta-analysis of several Japan-based publications relating to interstitial lung diseases; Japan's Intractable Disease Database and Insmad internal analysis; Insmad Primary Quantitative Market Research Fielded September 2021; Duchemann et al., "Prevalence and incidence of interstitial lung diseases in a multi-ethnic county of Greater Paris." European Respiratory Journal, 2017; 2019 National Audit of Pulmonary Hypertension Great Britain; Humbert M et al, "Pulmonary arterial hypertension in France: results from a national registry", Feb 2006; Hoeper M et al, "Incidence and prevalence of pulmonary arterial hypertension in Germany", Nov 2015; Escribano-Subias P et al, "Survival in pulmonary hypertension in Spain: insights from the Spanish registry", 2012. **Safety analysis based on data available as of the most recent data disclosure (October 23, 2023).

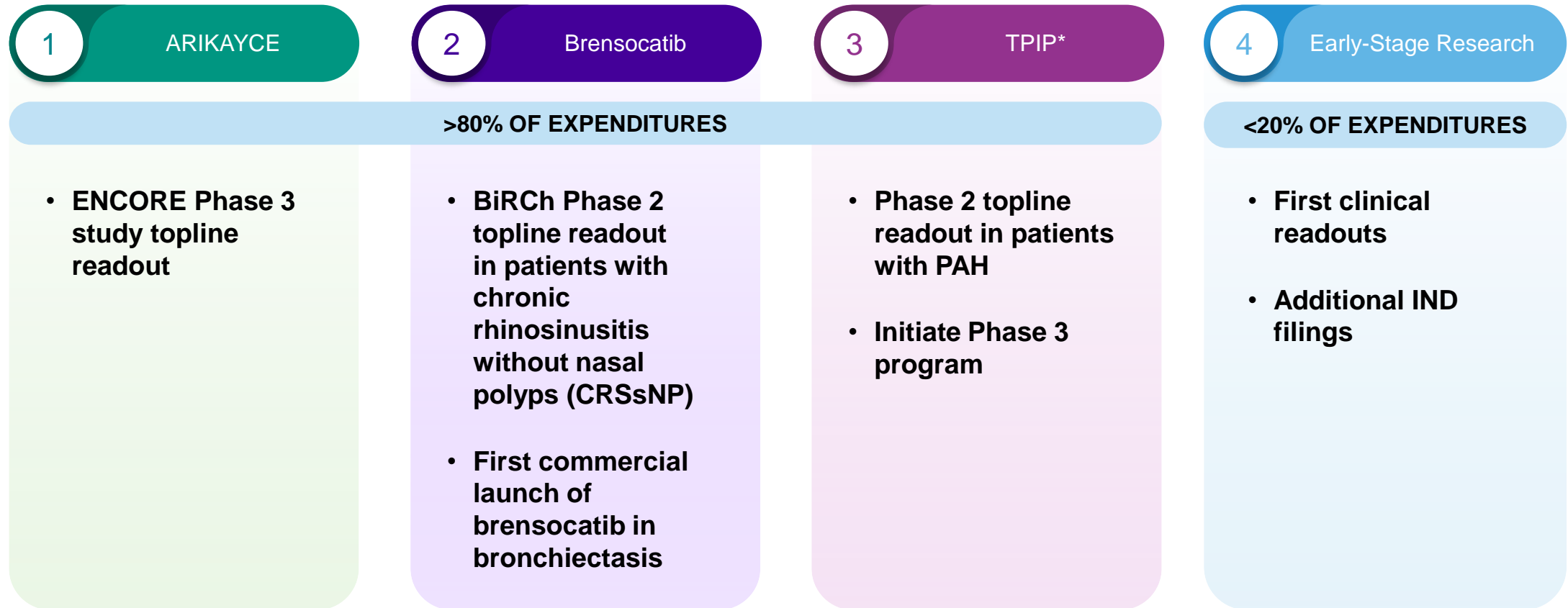
Early-Stage Research: An Assembly of Complementary Platform Technologies to Answer the Question: “What’s Next?”



Key Catalysts Set to Transform Insmed in 2024**



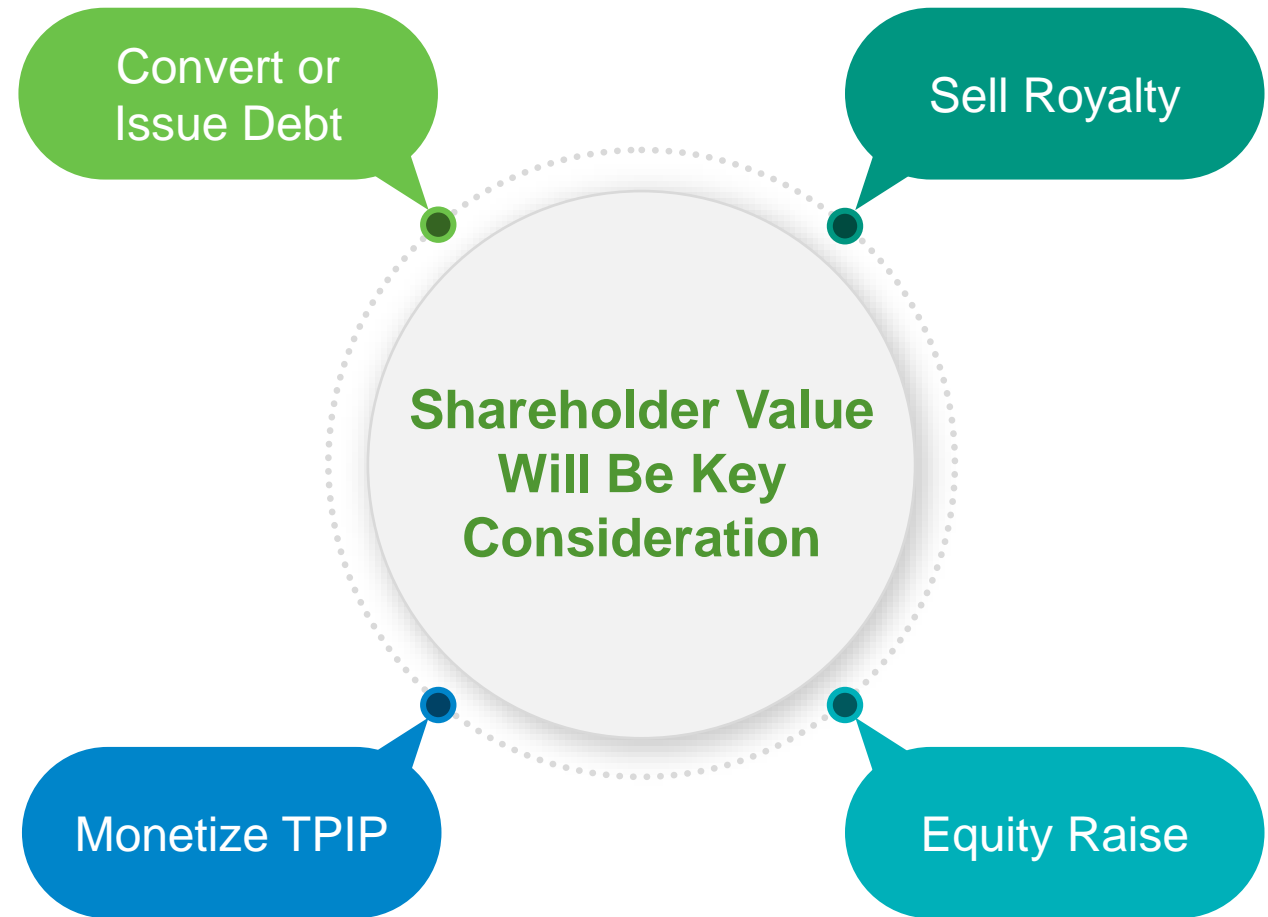
...with Many More Important Catalysts Expected in 2025**



Current Cash Position Offers Insmed Flexibility on the Timing and Form of Any Future Capital Raise

- Rich event pipeline in next two years
- Financing options available under all scenarios

Many Financing Options Exist, Regardless of ASPEN Result



**Our Purpose and Values
Define our Culture at
Insmed Where Employees
Are Empowered to do
their Best Work on Behalf
of Patients in Need**

In a recent survey*

>90% of employees
responded that...

*"I am proud to
work at Insmed."*

*"I am inspired by
the work we do."*

*"I believe Insmed
will be successful
in the future."*

*"I understand how my
job helps Insmed
achieve success."*

#1 on Science's
Top Biopharma
Employers List
(3rd Year in a Row)



Certified
as a Great Place
to Work
(3rd Year in a Row)

InSmed®



Thank You