



Healing mental health disorders so that everyone everywhere can live a more fulfilled life.

Company Overview – January 2023



Disclaimer

All references in this presentation to “we”, “us”, “our”, “atai”, or the “Company” refer to ATAI Life Sciences N.V. and its consolidated subsidiaries, unless the context otherwise requires. This presentation may include forward-looking statements. All statements other than statements of historical facts contained in this presentation, including statements regarding our future results of operations and financial position, industry dynamics, business strategy and plans and our objectives for future operations, are forward-looking statements. These statements represent our opinions, expectations, beliefs, intentions, estimates or strategies regarding the future, which may not be realized. In some cases, you can identify forward-looking statements by terms such as “may,” “will,” “should,” “expects,” “plans,” “anticipates,” “could,” “intends,” “targets,” “projects,” “contemplates,” “believes,” “estimates,” “predicts,” “potential” or “continue” or the negative of these terms or other similar expressions that are intended to identify forward-looking statements. Forward-looking statements are based largely on our current expectations and projections about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy, short term and long-term business operations and objectives and financial needs. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including without limitation the important factors described in the section titled “Risk Factors” in our most recent Annual Report on Form 10-K filed with the Securities and Exchange Commission (“SEC”), as updated by our subsequent filings with the SEC, that may cause our actual results, performance or achievements to differ materially and adversely from those expressed or implied by the forward-looking statements. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to which any factor, or

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The forward-looking statements included in this presentation are made only as of the date hereof. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee that the future results, levels of activity, performance or events and circumstances reflected in the forward-looking statements will be achieved or occur. Moreover, neither we nor our advisors nor any other person assumes responsibility for the accuracy and completeness of the forward-looking statements. Neither we nor our advisors undertake any obligation to update any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations, except as may be required by law. You should read this presentation with the understanding that our actual future results, levels of activity, performance and events and circumstances may be materially different from what we expect.

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well as data from our internal research, and are based on assumptions made by us upon reviewing such data, and our experience in, and knowledge of, such industry and markets, which we believe to be reasonable. In addition, projections, assumptions and estimates of the future performance of the industry in which we operate or of any individual competitor and our future performance are necessarily subject to uncertainty and risk due to a variety of factors, including those described above. These and other factors could cause results to differ materially from those expressed in the estimates made by independent parties and by us. Industry publications, research, surveys and studies generally state that the information they contain has been obtained from sources believed to be reliable, but that the accuracy and completeness of such information is not guaranteed. Forecasts and other forward-looking information obtained from these sources are subject to the same qualifications and uncertainties as the other forward-looking statements in this presentation.

This presentation contains excerpts of testimonials from individuals who have been treated with compounds or derivatives of the compounds underlying our product candidates in the context of third-party studies or otherwise that are solely intended to be illustrative and not representative of the potential for beneficial results of such compounds. Our product candidates are in preclinical or clinical stages of development and none of our product candidates have been approved by the FDA or any other regulatory agency.

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atai Life Sciences: **Healing mental health disorders** so that everyone everywhere can live a more fulfilled life

- 1** Mental health disorders are one of the largest global health burdens, most recently exacerbated by COVID-19; global market size in mental health was \$380Bn in 2020 and is expected to grow to \$540Bn by 2030¹
- 2** atai's objective is to achieve clinically meaningful and sustained behavioral change in mental health patients by developing rapid-acting and patient-centric pharmaceutical and digital treatment solutions
- 3** atai has 8 clinical stage drug development programs with a focus on compound classes with prior evidence in humans; portfolio approach to avoid binary risk and to optimize likelihood of success
- 4** Validation of atai's operating model and ability to capture value: IPO of COMPASS Pathways in 2020 and licensing deal between Otsuka and atai subsidiary Perception Neuroscience in 2021
- 5** Strong cash position of approx. \$304M (as of September 30th, 2022) and access to up to an additional \$160m from term loan facility with Hercules² lead to anticipated cash runway into 2025

1. THE COVID STATES PROJECT report (May 21, 2021) and <https://www.alliedmarketresearch.com/mental-health-market-A11770>

2. Total facility size is up to \$175M, with \$15M drawn to-date (in Q3 2022)

Achieving sustained behavioural change in patients through the combination of rapid acting intervention, psychological support and precision mental health

Our
Objective

Achieve clinically meaningful and sustained behavioural change in patients diagnosed with mental health disorders

Key
Strategic
Pillars



Rapid acting intervention
(Focus: Rx)



Ongoing
psychological support
(Focus: DTx)



Precision
mental health
(Focus: Biomarkers)

1st, 2nd and 3rd generation compounds with the potential to show strong behavioural plasticity, rapid onset and more durable effect

Additional ongoing psychological care provided to patients before, during and/or after initial treatment interventions

The identification of patient sub-types using biological and digital biomarkers

Our strategy will be delivered through a robust pipeline of drug development programs across several mental health indications with large unmet need

Program	Indication	Preclinical	Phase 1	Phase 2	Phase 3	Affiliate Company ¹
RL-007 / Compound ²	Cognitive Impairment Associated With Schizophrenia					Recognify Life Sciences
PCN-101 / R-ketamine	Treatment-Resistant Depression					Perception Neuroscience
GRX-917 / Deuterated etifoxine	Generalized Anxiety Disorder					GABA Therapeutics
KUR-101 / Deuterated mitragynine	Opioid Use Disorder					Kures
VLS-01 / DMT	Treatment-Resistant Depression					Viridia Life Sciences
DMX-1002 / Ibogaine	Opioid Use Disorder					DemeRx IB
EMP-01 / MDMA derivative	Post-Traumatic Stress Disorder					EmpathBio
LIMITED TO EQUITY INTEREST						
COMP360 / Psilocybin ³	Treatment-Resistant Depression					COMPASS Pathways
COMP360 / Psilocybin ³	Post-Traumatic Stress Disorder					COMPASS Pathways
COMP360 / Psilocybin ³	Anorexia Nervosa					COMPASS Pathways

Note: Information as of November, 2022, unless otherwise stated. DMT = N,N-dimethyltryptamine; MDMA = 3,4-Methylenedioxymethamphetamine

1. Perception, Recognify, DemeRx IB, and Kures are all variable interest entities; GABA is a non-consolidated VIE with operational involvement through Master Service Agreement (MSA) model; EmpathBio and Viridia are wholly-owned subsidiaries; COMPASS Pathways is a non-controlling equity interests

2. RL-007 compound is (2R, 3S)-2-amino-3-hydroxy-3-pyridin-4-yl-1-pyrrolidin-1-yl-propan-1-one(L)-(+)-tartrate salts

3. Developing COMP360, a formulation of psilocybin, administered with psychological support from specially trained therapists

We expect to deliver **several meaningful R&D milestones** anticipated across our key programs through 2024¹ with cash runway into 2025

Achieved and expected milestones

Key achievements to date

- ✓ Initiation of 8 clinical programs
- ✓ COMP360 Phase 2b results
- ✓ RL-007 Phase 2a results
- ✓ GRX-917 Phase 1 results

H1'23

- VLS-01 Phase 1 results
- DMX-1002 Phase 1 results
- RL-007 Phase 2b first subject dosed
- GRX-917 Efficacy study first subject dosed

H2'23

- EMP-01 Phase 1 results
- COMP360 Phase 2 results (PTSD)
- COMP360 Phase 2 results (Anorexia)

2024

- RL-007 Phase 2b PoC results (H1)
- VLS-01 Phase 2a PoC results (H1)
- GRX-917 Efficacy study results

\$304M in cash as of September 30, 2022, plus access to up to an additional \$160M from Hercules term loan facility², provides runway expected into 2025

Note: PoC = Proof of Concept

1. Based on current expectations and projections as of the date of this presentation, and subject to change

2. Total facility size is up to \$175M, with \$15M drawn to-date (in Q3 2022)

Unless otherwise stated, this presentation is updated as of January 6th, 2023

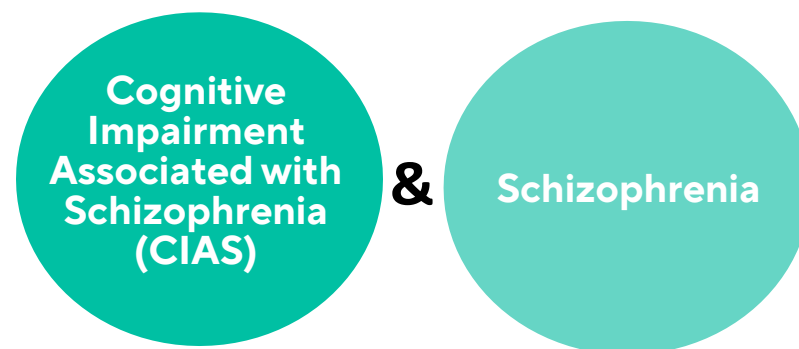
Cognitive Impairment Associated with Schizophrenia



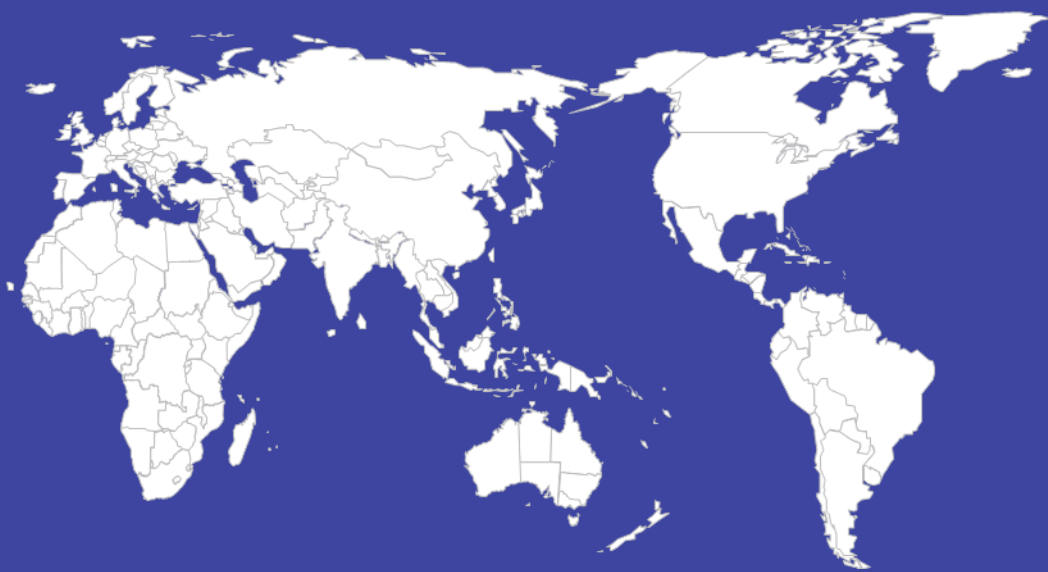
CIAS & Schizophrenia

Disease Overview

Cognitive impairment associated with Schizophrenia (CIAS) & Schizophrenia often lead to individuals making choices they feel are out of their control



CIAS & Schizophrenia in numbers



~24m

Global sufferers of Schizophrenia¹

15th

Leading cause of disability worldwide (2016)²

~\$155bn

U.S. economic burden from adults with CIAS or Schizophrenia (direct + indirect costs)³

HUGE NEED FOR DEVELOPMENT

~20 yrs

Lost life expectancy⁴

Schizophrenia results in a life expectancy of approximately 20 years below that of the general population

~30%

Low treatment rate⁵

Only ~30% of people with psychosis receive specialist mental health care

~80%

Cognitive impairment is very common⁶

Cognitive impairment is a common and major cause of disability in schizophrenia, with more than 80% of patients showing significant impairment

0

FDA approvals for CIAS

Currently there are no FDA approved treatments for CIAS⁷

1. World Health Organization

2. Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016

3. Cloutier et al, The economic burden of schizophrenia in the United States in 2013. J Clin Psychiatry 2016;77(6):764–771

4. Bora et al, Cognitive Impairment in Schizophrenia and Affective Psychoses: Implications for DSM–V Criteria and Beyond

5. World Health Organization

6. Bora et al, Cognitive Impairment in Schizophrenia and Affective Psychoses: Implications for DSM–V Criteria and Beyond

7. GlobalData (as of 11/15/2022)

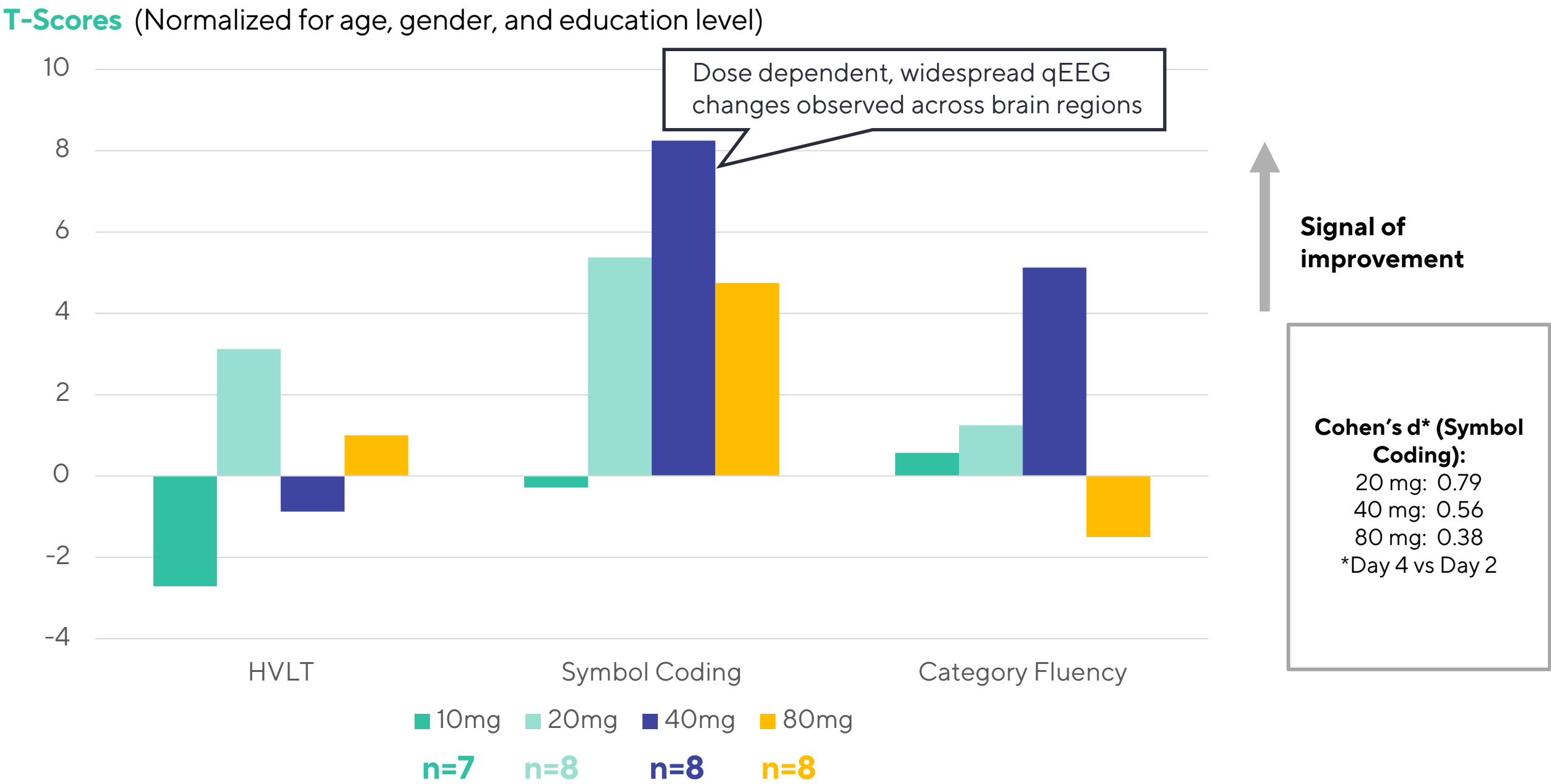
SUMMARY

OWNERSHIP	51.9% ¹
PRODUCT	(2R, 3S)-2-amino-3-hydroxy-3-pyridin-4-yl-1-pyrrolidin-1-yl-propan-1-one(L)-(+) tartrate salt oral capsules (RL-007)
PHARMA-COLOGY	GABA/nicotinic modulator
PRODUCT FEATURES	Pro-cognitive effects demonstrated in two Phase 1 and two Phase 2 trials No drug-related serious adverse events in over 500 study subject exposures
INDICATIONS	Primary: Cognitive Impairment Associated with Schizophrenia (CIAS) Potential: Autism, Alzheimer’s dementia
CURRENT STATUS	Phase 2a biomarker trial completed in H2’21 Phase 2b PoC results expected H1’24
INTELLECTUAL PROPERTY	Issued composition of matter, formulation and method of use patents
HIGHLIGHT	Previous Phase 2 showed pro-cognitive potential of RL-007 in 180 patients with diabetic peripheral neuropathic pain

RL-007 has previously shown **pro-cognitive effects in human clinical studies**

“Symbol coding response is at a level that would correlate with better work/school performance”
– Keith Nuechterlein, Ph.D. (Semel Institute for Neuroscience and Human Behavior)

PHASE 2 PoM TRIAL - EFFICACY DATA

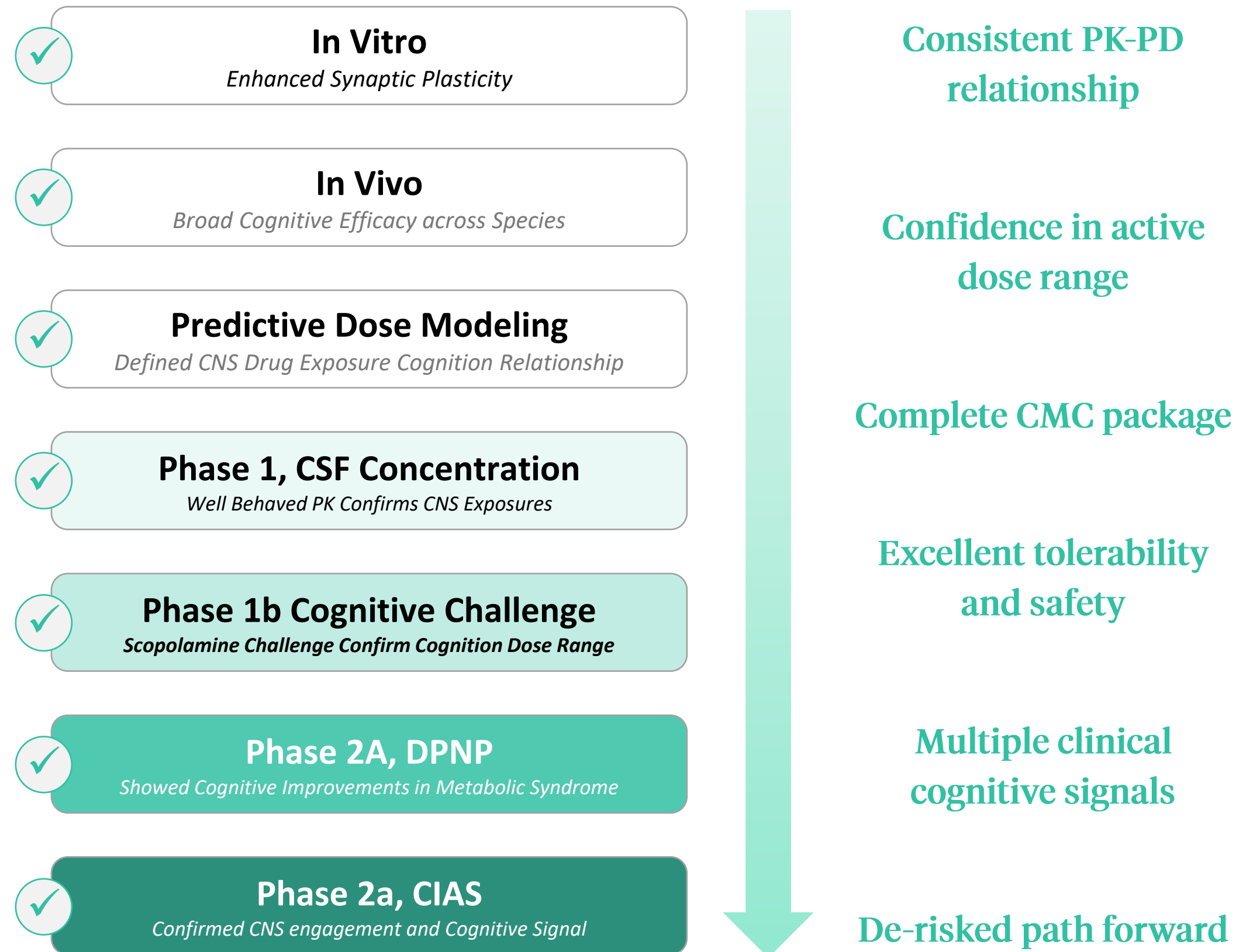


Note: CIAS = Cognitive impairment associated with schizophrenia; HVLT = Hopkins Verbal Learning Test; TID = 3x/day dosing; PoC = Proof of Concept, PoM = Proof of Mechanism
1. Unless otherwise indicated herein, ownership percentage based on ownership of securities with voting rights as of September 30th, 2022.

RL-007: a **de-risked pro-cognitive neuromodulator** investigated in >500 subjects with excellent tolerability in humans

RL-007: demonstrated pro-cognitive treatment for CIAS

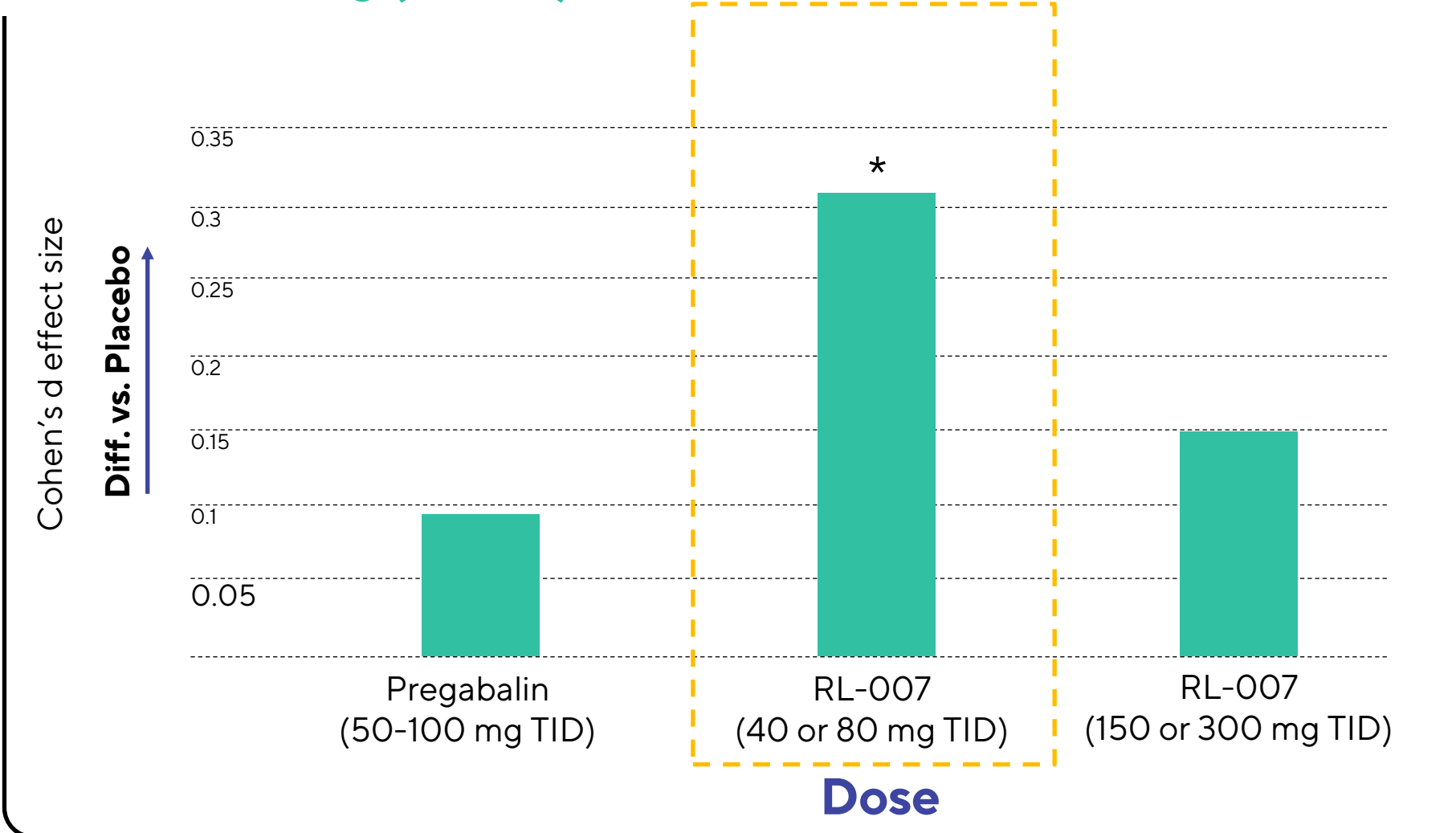
1. Pharma developed product in-licensed with extensive **pre-clinical & clinical data package**
2. Human Phase 1+2 data show **replicated, clinically significant learning and memory effects**, consistent with broad pre-clinical pro-cognitive data
3. **Well tolerated (>500 subjects dosed)**, centrally acting oral drug
4. Initial indication: cognitive impairment associated with schizophrenia (CIAS) is characterized by **episodic learning & memory deficits** – no approved treatment



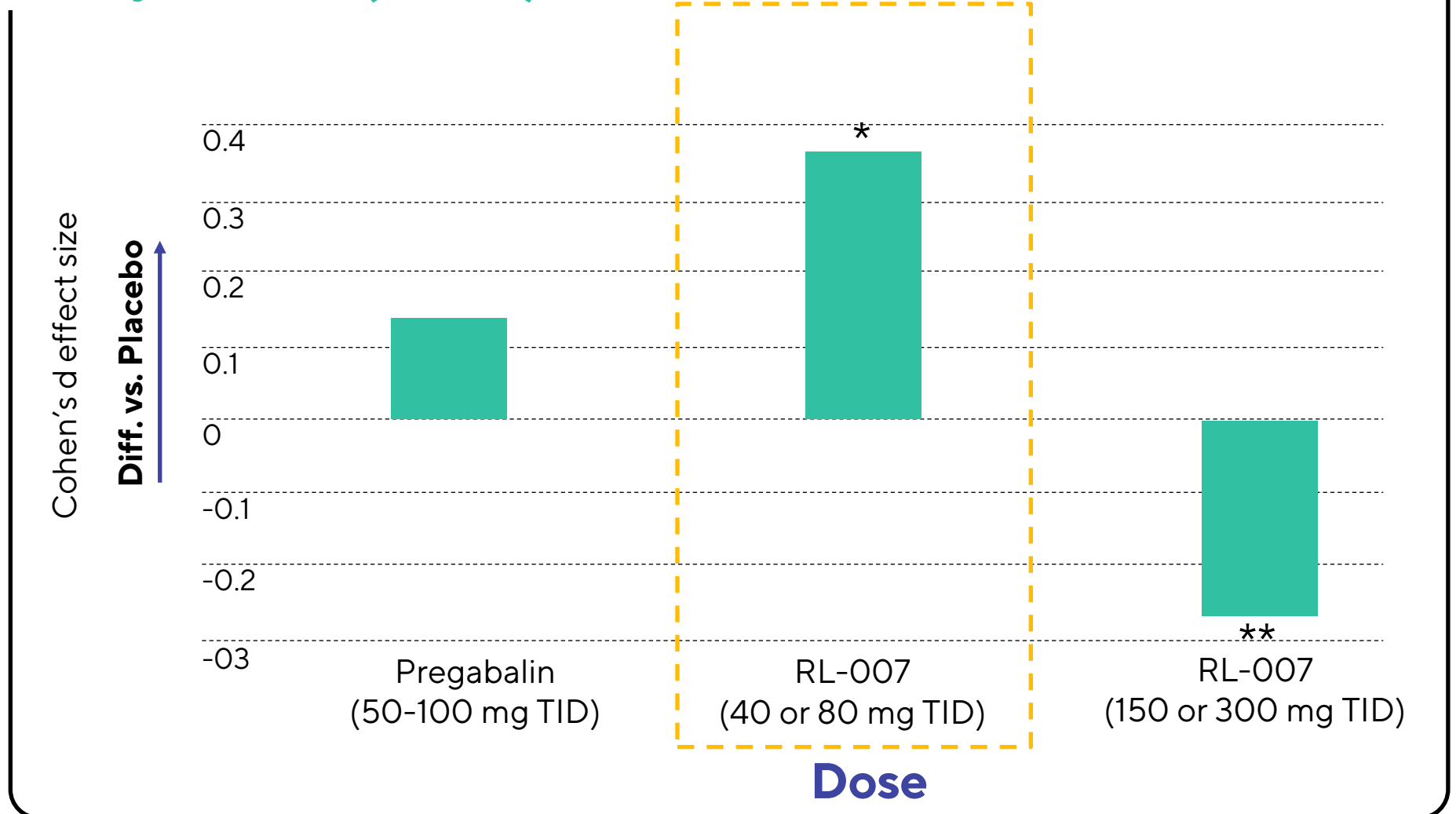
Additionally, a third-party Phase 2 study in DPNP of RL-007 also showed statistically significant **positive cognitive signals**

RL-007 low doses enhanced learning and memory

Verbal learning (DPNP)



Delayed recall (DPNP)



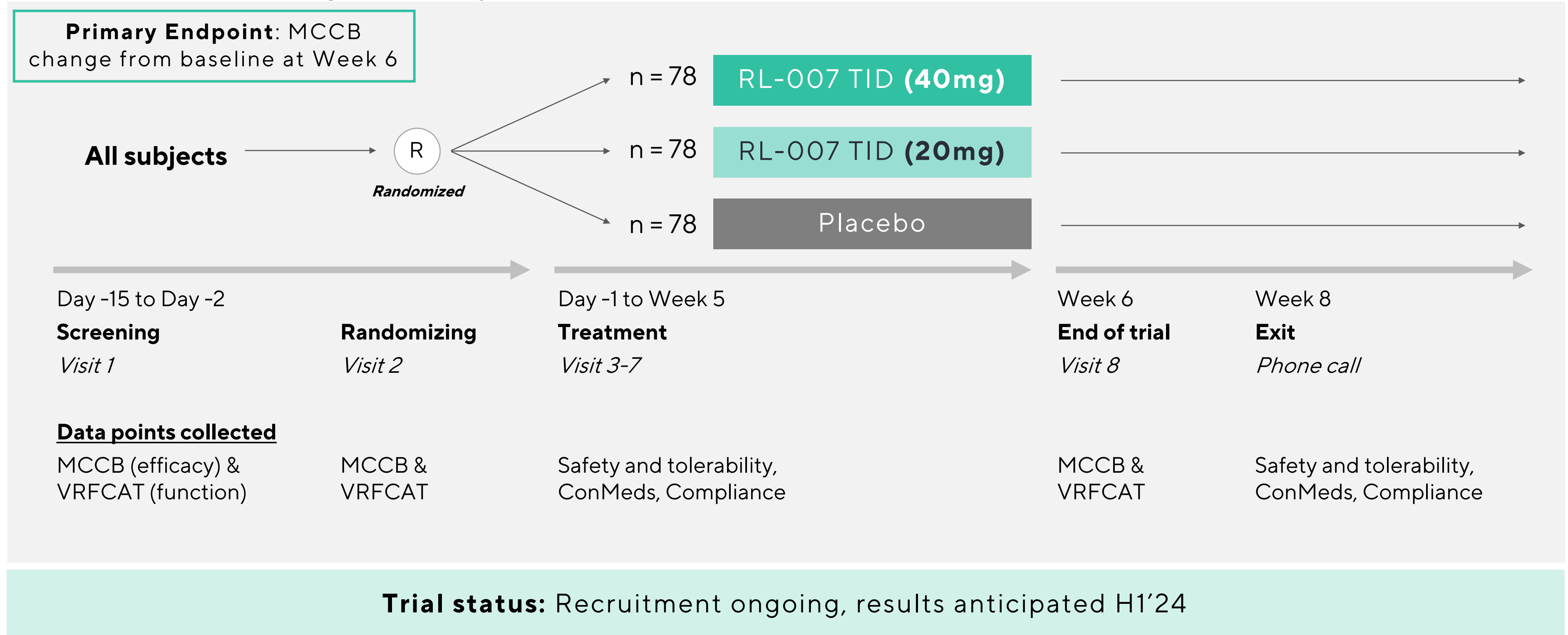
(Phase 2 exploratory endpoints – 180 patients¹)

↑ Indicates direction of improvement

Note: * = $P < 0.05$ vs Placebo; **missed significance ($P=0.075$); Diabetic Peripheral Neuropathic Pain (DPNP);
1. N=60 patients/treatment group; dosed TID = 3x/day dosing; randomized, cross-over design

RL-007 Phase 2b trial design: randomized 6-week study of RL-007 20mg and 40mg vs placebo in 234 patients with CIAS

Phase 2b Proof-of-Concept Trial Design



CIAS & Schizophrenia landscape: RL-007’s unique pharmacology, acute cognitive benefit and excellent tolerability differentiate it from pipeline competitors

	atai company	Therapies in late-stage development focused on treating CIAS			Therapies in late-stage development for schizophrenia	
	Recognify Life Sciences	Boehringer Ingelheim	Karuna Therapeutics	Takeda	Minerva Neurosciences	Sunovion
Compound	RL – 007 ¹	BI – 425809 (iclepertin)	KarXT (xanomeline-trospium)	NBI – 1065844 (luvadaxistat)	MIN-101 (roluperidone)	SEP – 363856 (ulotaront)
Development stage	Phase 2	Phase 3	Phase 3 (in Ph2 for CIAS)	Phase 2	Pre-registration	Phase 3
Mechanism of action	GABA/nicotinic modulator	GlyT1 inhibitor	Muscarinic M1 / M4 receptor agonist	GPR139 agonist	5-HT2a / Sigma 2 receptor antagonist	TAAR1 agonist
Focused on treating cognitive impairment associated with schizophrenia			 Also targeting positive & negative symptoms		 Targeting negative symptoms	 Targeting positive & negative symptoms
Potential for complimentary use with other therapies						
Targets multiple receptor pathways						

Source: Publicly available information, including company websites and clinicaltrials.gov
Note: GABA = gamma-aminobutyric acid; GlyT1 = Glycine transporter type-1; GPR139 = G Protein-Coupled Receptor 139; 5-HT2a = Serotonin 2A receptor; TAAR1 =Trace Amine-Associated Receptor 1
1. RL-007 compound is (2R, 3S)-2-amino-3-hydroxy-3-pyridin-4-yl-1-pyrrolidin-1-yl-propan-1-one(L)-(+)-tartrate salts

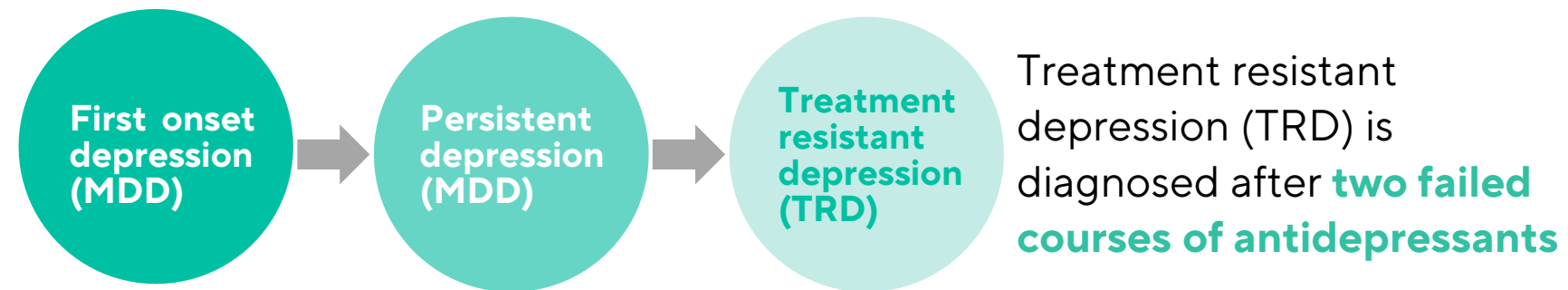
Depression



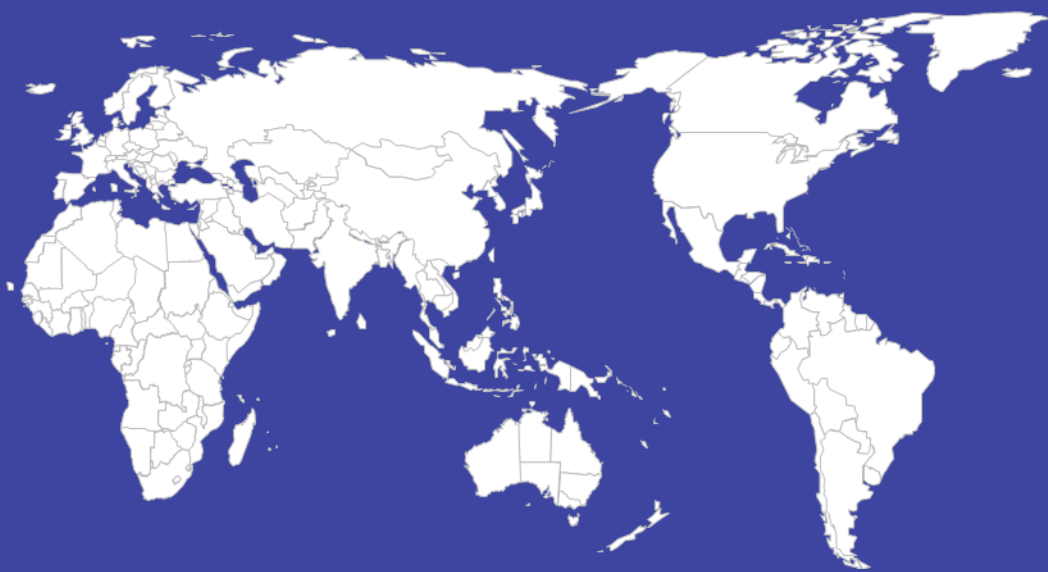
Depression

Disease Overview

Depression is a mood disorder that affects the thoughts and behavior of an individual, leading to psychological, physical, and social problems



Depression in numbers



~300m
Global sufferers of depression¹

2nd
Leading cause of disability worldwide (2019)²

~\$300Bn
U.S. economic burden from adults with MDD (direct + indirect costs)³

URGENT NEED FOR INNOVATION

~33%

Inadequate response rate

A third of patients with depression respond inadequately or relapse with current treatments⁴

4-12 weeks

Slow onset of treatment effect

Frontline SSRI treatments for depression have slow onset (4-12w)⁵

~38%

Long-term side effects

Over a third of patients experience one or more side effects as a result of SSRI antidepressants⁶

4

Novel therapies approved by FDA in last decade

Only 4 new molecular entities (NMEs) approved by the FDA for depression (MDD or TRD) since 2012, less than 3% relative to oncology (N=138)⁷

1. World Health Organization (2020)
 2. World Health Organization – Disease Burden 2000-2019 (2020)
 3. Greenberg et al., “The Economic Burden of Adults with Major Depressive Disorder in the United States (2010 and 2018)” (2021)
 4. Salzer, “National Estimates of Recovery-Remission From Serious Mental Illness”, Psychiatry Online (2018)
 5. Tew et al., “Impact of prior treatment exposure on response to antidepressant treatment in late life” Am J Geriatr Psychiatry (2006)

6. Cascade et al., “Real-World Data on SSRI Antidepressant Side Effects” Psychiatry MMC (2009)
 7. GlobalData (as of 15.11.2022). NME approvals include Trintellix, Rexulti, Spravato and Auvelity. Excludes generics, reformulations and biosimilars

SUMMARY

OWNERSHIP 22.5%¹

PRODUCT Oral Psilocybin (COMP360)

PHARMA-COLOGY 5-HT_{2A}-R agonist

PRODUCT FEATURES Rapid onset, potential for sustained efficacy after single dose

INDICATIONS Primary: Treatment Resistant Depression, Anorexia Nervosa, PTSD
Potential: Major Depressive Disorder, Autism, Bipolar Disorder, Chronic Cluster Headache

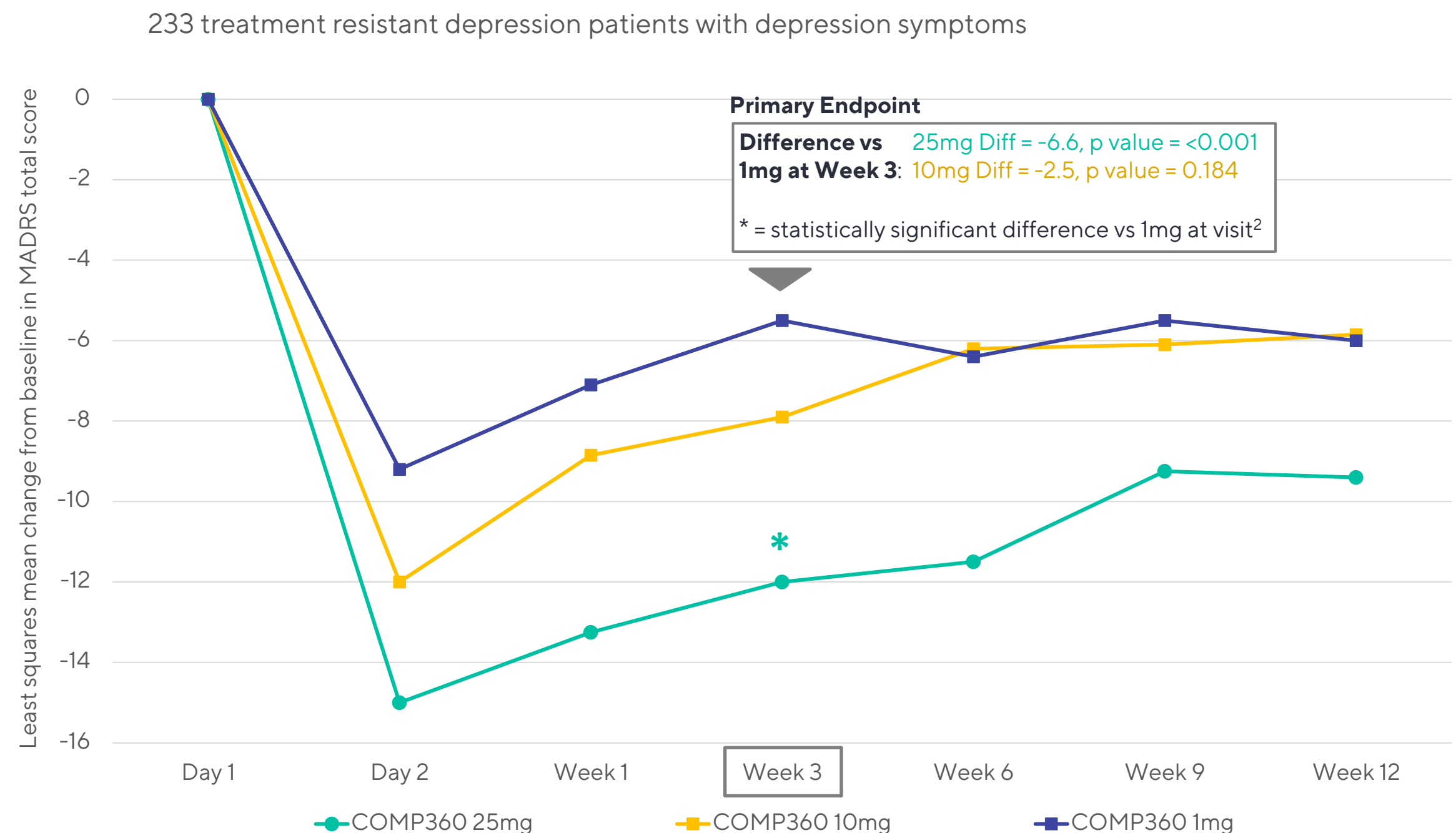
CURRENT STATUS COMP360 Phase 3 (TRD) program expected to commence by end of 2022

INTELLECTUAL PROPERTY Proprietary formulation of synthetic psilocybin, COMP360

HIGHLIGHT COMP360 demonstrated efficacy in reducing depressive symptom severity with rapid and durable response in Phase 2b study

COMP360 Phase 2b trial showed a rapid, sustained reduction in depressive symptoms

PRIOR EVIDENCE IN HUMANS (COMP360 PHASE 2b)



Source: Schedule 13D filed with the SEC as of November 29th, 2021, as amended

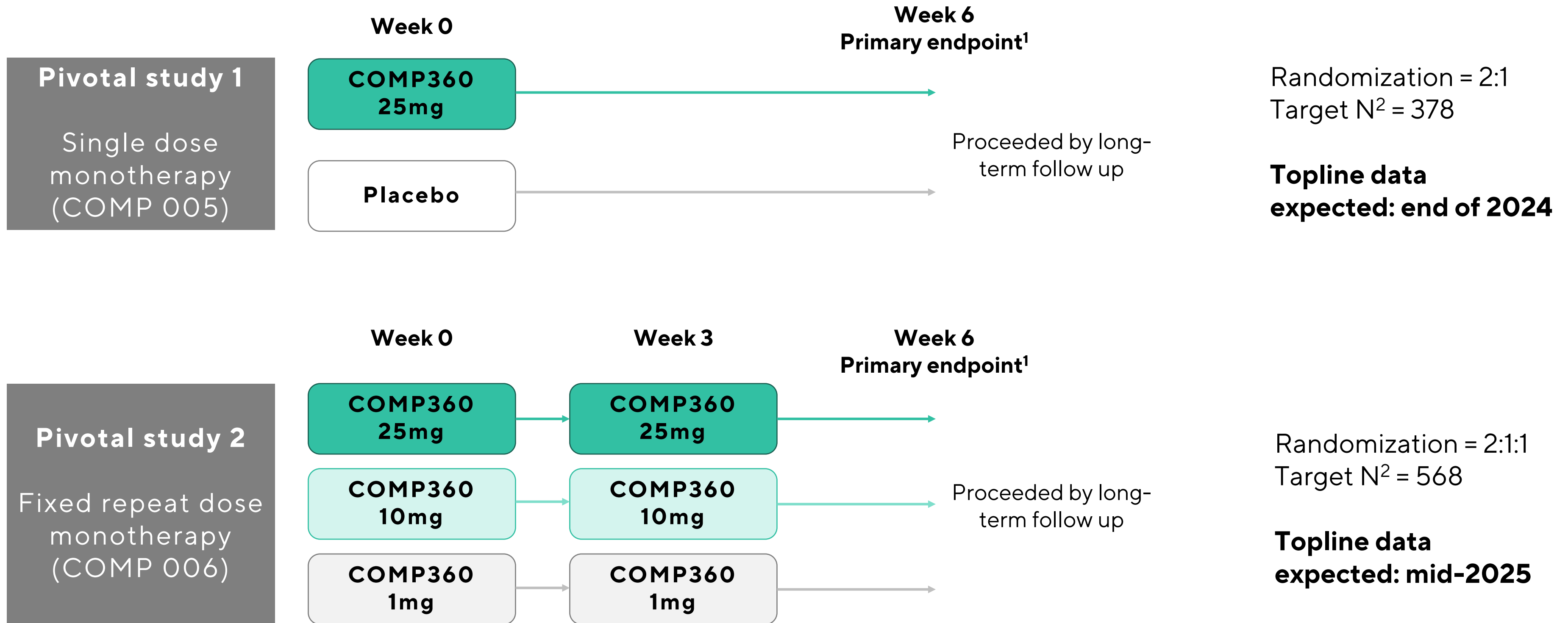
Note: MADRS = Montgomery-Åsberg Depression Rating Scale;; COMP360 = a proprietary high-purity, polymorphic crystalline formulation of psilocybin; In COMPASS's model of psilocybin therapy, COMP360 is administered in conjunction with psychological support from specially trained therapists.

1. Ownership percentage as of Sept. 30th, 2022

2. Post-hoc analysis showed results were also positive at the other time points listed for 25mg dose, however, the nonsignificant finding for the comparison between the 10mg group and the 1mg group terminated significance testing based on the prespecified hierarchical test procedure for all subsequent key secondary efficacy end points.

COMPASS Pathways pivotal phase 3 studies are **expected to deliver topline data by 2024 and 2025**

Pivotal Phase 3 Trial Designs



Source: Compass Pathways Capital Markets Day presentation as of October 12, 2022

1. Primary endpoint = Change from baseline in MADRS total score at week 6

2. The participant population (TRD definition and core inclusion / exclusion criteria) remains unchanged compared to phase 2b

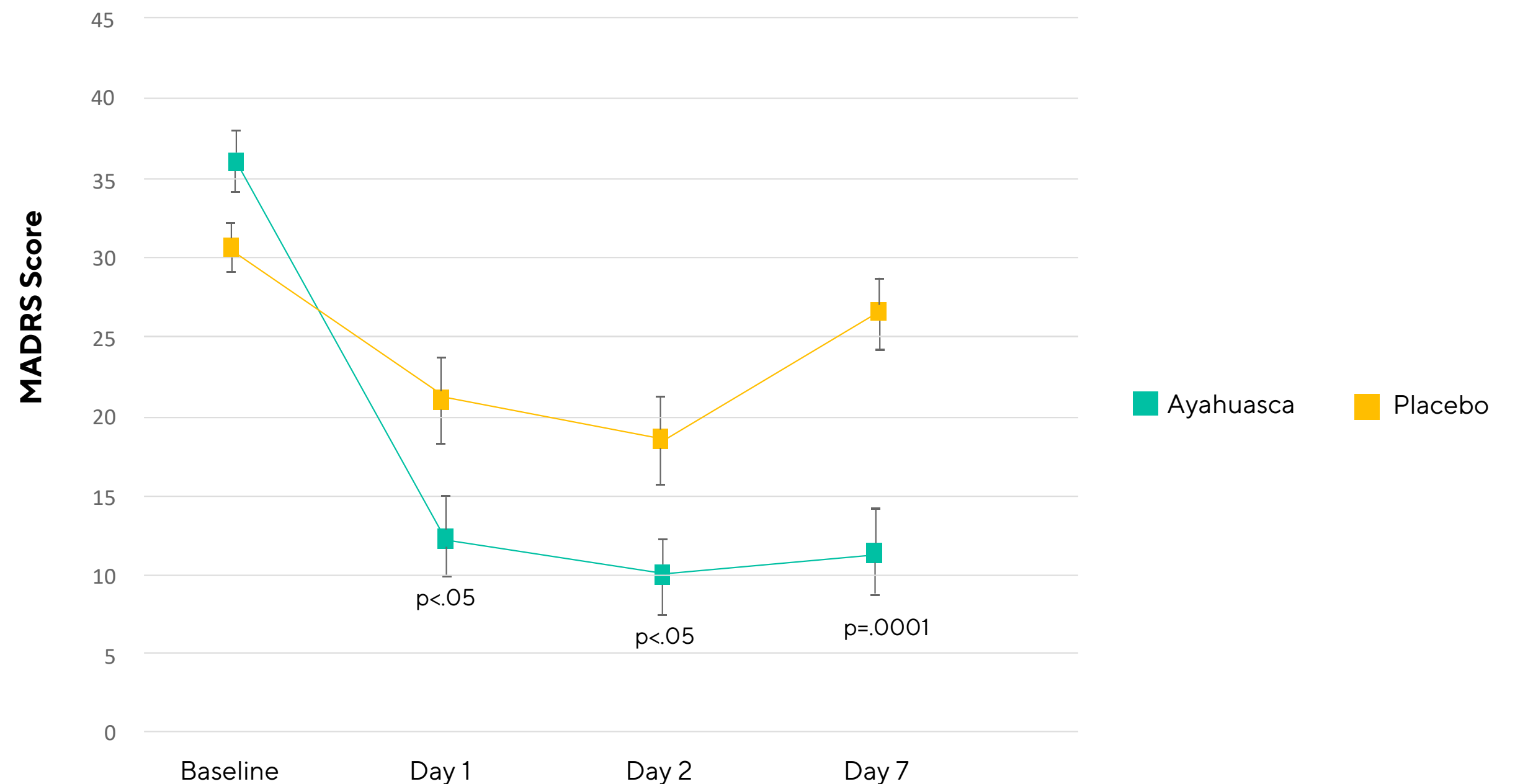
SUMMARY

OWNERSHIP	100% ¹
PRODUCT	Dimethyltryptamine (DMT) in a buccal transmucosal film (VLS-01), DMT is the active psychedelic moiety in Ayahuasca
PHARMA-COLOGY	5-HT _{2A} -R agonist
PRODUCT FEATURES	Rapid onset, sustained efficacy after single dose, short duration of psychedelic effect (~30 to 45 minutes)
INDICATIONS	Primary: Treatment Resistant Depression Potential: Eating Disorders, Substance Use Disorders
CURRENT STATUS	Phase 1 clinical trial initiated in H2'22 Phase 1 results expected H1'23
INTELLECTUAL PROPERTY	Filed provisionals on formulations of DMT
HIGHLIGHT	VLS-01 is designed to have an improved duration of psychedelic effect whilst improving tolerability

VLS-01 may increase patient accessibility by **reducing patient and clinic time commitment**

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY²)

Double-blind, randomized placebo-controlled trial with Ayahuasca in 29 patients with TRD
(major active ingredient of Ayahuasca is DMT)



Note: MADRS = Montgomery-Asberg Depression Rate Scale, DMT = Dimethyltryptamine

1. Unless otherwise indicated herein, ownership percentage based on ownership of securities with voting rights as of September 30th, 2022

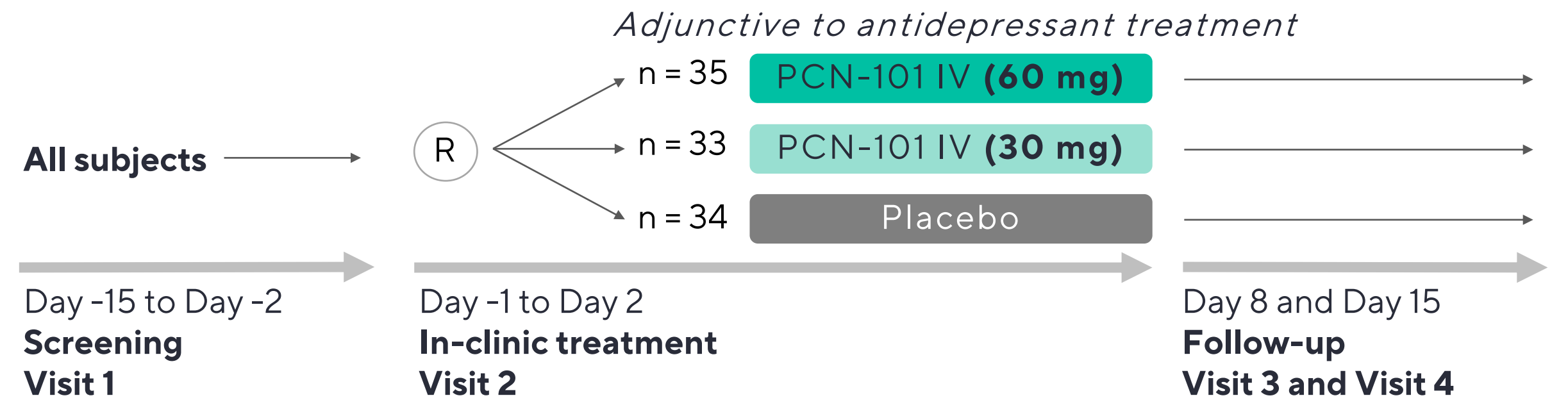
2. Palhano-Fontes et al. "Rapid antidepressant effects of the psychedelic ayahuasca in treatment-resistant depression", Psychol Med (2019)

SUMMARY

OWNERSHIP	58.9% ¹
PRODUCT	Subcutaneous R-ketamine (PCN-101)
PHARMA-COLOGY	Glutamatergic modulator
PRODUCT FEATURES	Rapid-acting, non-dissociative antidepressant with potential for at home use
INDICATIONS	Primary: Treatment Resistant Depression Potential: Substance Use Disorder
CURRENT STATUS	Phase 2a results announced January 2023
INTELLECTUAL PROPERTY	Issued methods of use of R-ketamine for treatment of depressive symptoms
HIGHLIGHT	Third party study: Single IV dose (0.5 mg/kg) of R-ketamine led to a rapid and sustained decrease in MADRS in patients with TRD; dissociation was nearly absent ²

We've completed a Phase 2a study for PCN-101 and are **evaluating next steps** for the program

PCN-101 PHASE 2A STUDY³ IN PATIENTS WITH TREATMENT RESISTANT DEPRESSION (N=102)



SUMMARY OF RESULTS *(Preliminary analysis, subject to change)*

- 1 Study **did not meet its primary endpoint** of a statistically significant change from baseline in participants' MADRS score at 24 hours compared to placebo
- 2 The mean change on MADRS from baseline at 24 hours was -15.3 for PCN-101 60mg compared to -13.7 for placebo (-1.6 placebo-adjusted; p-value 0.5)
- 3 PCN-101 demonstrated **encouraging signals of efficacy across all timepoints** despite not achieving statistical significance on the primary endpoint
- 4 The drug was **generally well-tolerated** with rates of sedation and dissociation comparable to placebo

Note: MADRS = Montgomery-Asberg Depression Rate Scale, CADSS = Clinician-administered dissociative states scale, IV = Intravenous, PBO = Placebo.

1. Unless otherwise indicated herein, ownership percentage based on ownership of securities with voting rights as of September 30th, 2022. Perception does not give effect to the shares of common stock issuable after giving full effect to the anti-dilution feature of the Stock Purchase Agreement, which would not impact our majority position in Perception.

2. Leal et al., "Intravenous arketamine for treatment-resistant depression: open-label pilot study" (2020)

3. NCT05414422

Anxiety



Anxiety

Disease Overview

Anxiety disorders develop when feelings of apprehension and unease persist over an extended period and potentially worsen over time

Generalized Anxiety Disorder (GAD)

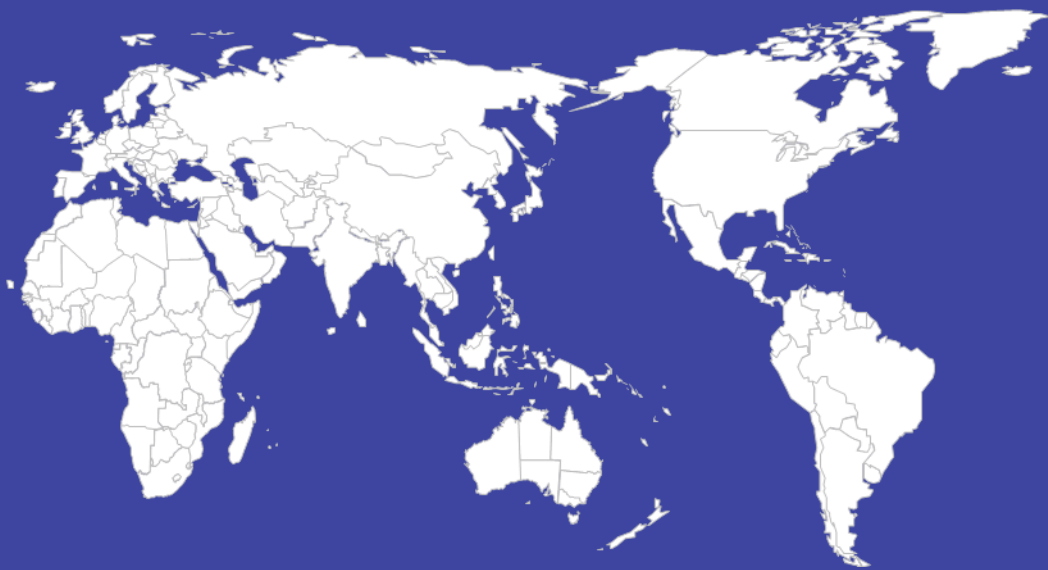
Panic Disorder

Social Anxiety Disorder (SAD)

Post-Traumatic Stress Disorder (PTSD)

Obsessive-Compulsive Disorder (OCD)

Anxiety in numbers



~40m
Anxiety disorder sufferers in the US¹

#1
Most common mental health disorder in the US²

~\$42bn
Annual societal cost of anxiety disorders in the US³

MASSIVE UNADDRESSED NEED

~7m

GAD patients in the US

Approximately 7 million individuals suffer from GAD in the US on an annual basis¹

<50%

Low treatment rate

Less than half of patients with anxiety disorder in the US receive treatment¹

~45%

Anxiety and depression are comorbid³

A worldwide survey estimated 46% of respondents with lifetime MDD had one of more lifetime anxiety disorders⁴

0

Novel molecules approved in over a decade

All recent approvals by the FDA have been reformulations of long-standing antidepressant and benzodiazepine options⁵

1. Anxiety and Depression Association of America (2021)
2. National Alliance on Mental Illness (2021)
3. DeVane et al., "Anxiety Disorders in the 21st Century: Status, Challenges, Opportunities, and Comorbidity With Depression", AJMC (2005)
4. Kessler et al., "Anxious and non-anxious major depressive disorder in the World Health Organization World Mental Health Surveys", Epidemiol Psychiatry Sci (2015)
5. GlobalData (as of 09.27.2022).

SUMMARY

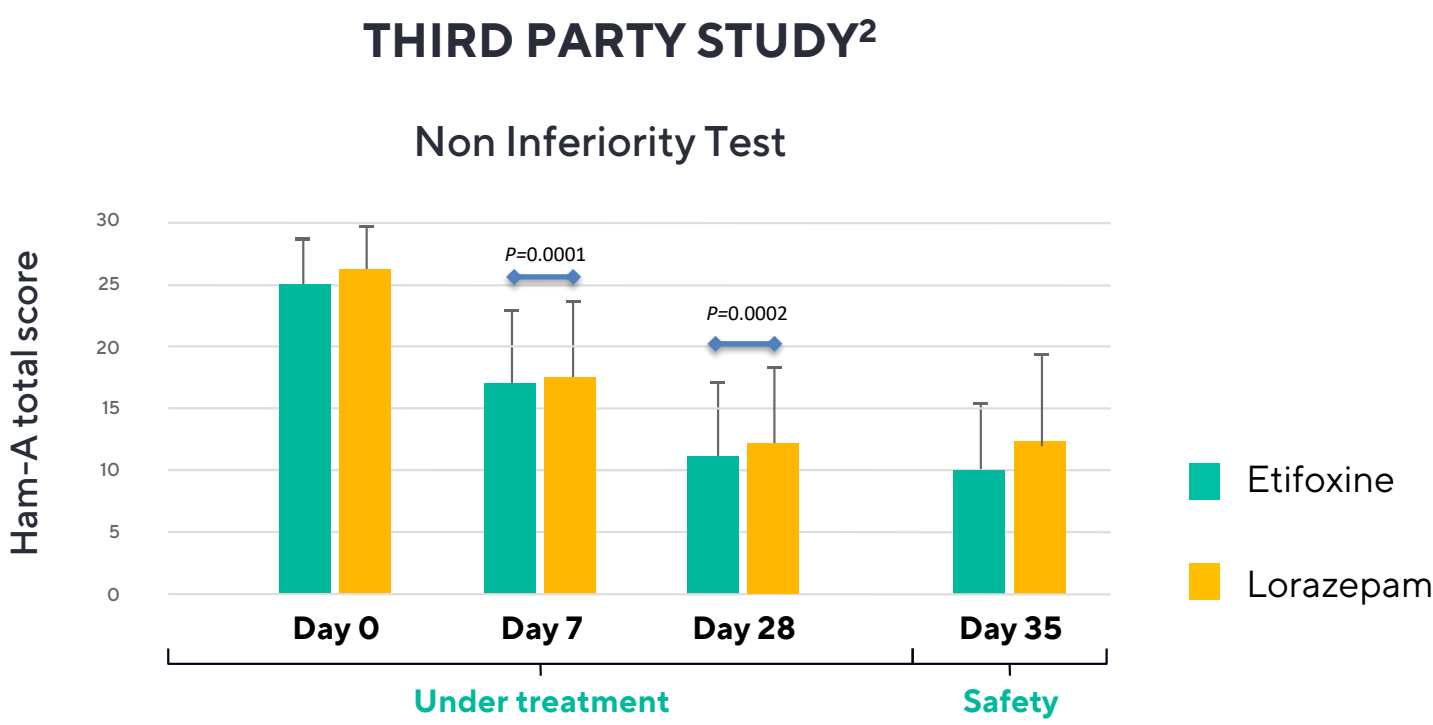
OWNERSHIP	54.7% ¹
PRODUCT	Deuterated etifoxine HCl oral dosage form (GRX-917)
PHARMA-COLOGY	Etifoxine facilitates endogenous production of neurosteroids through agonist activity at the mitochondrial translocator protein (TSPO)
PRODUCT FEATURES	GRX-917 is designed to have rapid onset activity of anxiolytic activity like benzodiazepines but without the sedating, addicting, or cognitive impairing properties
INDICATIONS	Primary: Generalized Anxiety Disorder Potential: Social Anxiety Disorder, Postpartum Depression
CURRENT STATUS	Phase 1 trial completed in H2'22 Efficacy study first subjected dosed in H1'23
INTELLECTUAL PROPERTY	Issued composition of matter on deuterated etifoxine (GRX-917) and corresponding methods of use
HIGHLIGHT	Preliminary Phase 1 data demonstrated dose-dependent and time-dependent pharmacodynamic effect along with low incidence and severity of adverse events

GRX-917 has the potential for benzodiazepine-like rapid-onset efficacy with improved safety and tolerability

ETIFOXINE HAS BEEN APPROVED FOR ANXIETY DISORDER SINCE 1979 WITH 14M+ PRESCRIPTIONS

Etifoxine works as rapidly as lorazepam, with etifoxine continuing its effects beyond treatment, while lorazepam shows rebound

Etifoxine has a **strong safety** record: a review of over **14m prescriptions** in France found no cases of abuse, misuse or dependence³



COMPLETED PHASE 1 TRIAL

Part 1: Single Ascending Dose		Part 2: Multiple Ascending Dose	
TREATMENT	SAFETY/PK/PD	TREATMENT	SAFETY/PK/PD
Up to 40 healthy subjects: Up to 5 cohorts 25mg to 500mg	PD Endpoint: qEEG	Up to 36 healthy subjects: Up to 3 cohorts 100mg to 300mg	PD Endpoint: qEEG

Note: HAM-A = Hamilton Anxiety Rating Scale, SD = standard deviation, qEEG = Quantitative electroencephalography, PK = Pharmacokinetics. PD = Pharmacodynamics, PoC = Proof of Concept;

1. Unless otherwise indicated herein, ownership percentage based on ownership of securities with voting rights as of September 30th, 2022.

2. Nguyen et al., "Efficacy of etifoxine compared to lorazepam monotherapy" (2006)

3. Cottin et al., "Safety profile of etifoxine: A French pharmacovigilance survey" (2016)

GRX-917 Phase 1 data: no severe or serious adverse events, with minimal sedation or dizziness, confirms favourable safety profile

- 1

Given every 12 hours for 7 days, GRX-917 was **well-tolerated** with no dose-limiting toxicities identified **up to the highest dose of 300mg**
- 2

There were **no serious adverse events reported** nor dose-related discontinuations due to adverse events
- 3

Adverse events in both single- and multiple-ascending dose (SAD and MAD) regimens were **comparable to placebo-treated subjects**
- 4

No significant evidence of sedation or other benzodiazepine-like side effects⁴ at any doses tested

GRX-917 Phase 1 MAD study safety data¹

	Placebo N = 15	GRX-917					Total N=58
		100 mg N=9	150 mg N=9	200 mg N=9	300 mg N=8	All doses N=43	
Any TEAE ²	9 (60%)	7 (78%)	4 (44%)	11 (69%)	4 (44%)	26 (61%)	35 (60%)
Mild	9 (60%)	7 (78%)	4 (44%)	11 (69%)	4 (44%)	26 (60%)	35 (60%)
Moderate	2 (13%)	1 (11%)	1 (11%)	1 (6%)	0	3 (7%)	5 (9%)
Severe	0	0	0	0	0	0	0
Serious TEAE	0	0	0	0	0	0	0
TEAEs leading to discontinuation	0	0	0	0	0	0	0

Most common TEAEs³

Headache	2 (13%)	4 (44%)	1 (11%)	3 (19%)	1 (11%)	9 (21%)	11 (19%)
Ventricular tachycardia	1 (7%)	0	1 (7%)	2 (13%)	0	3 (7%)	4 (7%)
Nausea	1 (7%)	1 (11%)	1 (11%)	0	0	2 (5%)	3 (5%)
Dizziness	0	0	0	2 (13%)	0	2 (5%)	2 (3%)
Lethargy	0	0	1 (11%)	0	1 (11%)	2 (5%)	2 (3%)

Note: TEAE = Treatment-emergent Adverse Event, SAD = Single Ascending Dose, MAD = Multiple Ascending Dose

1. n = number of subjects reporting at least one TEAE in that category, % - proportion of cohort total

2. Defined as an adverse event that began after the start of trial medication treatment

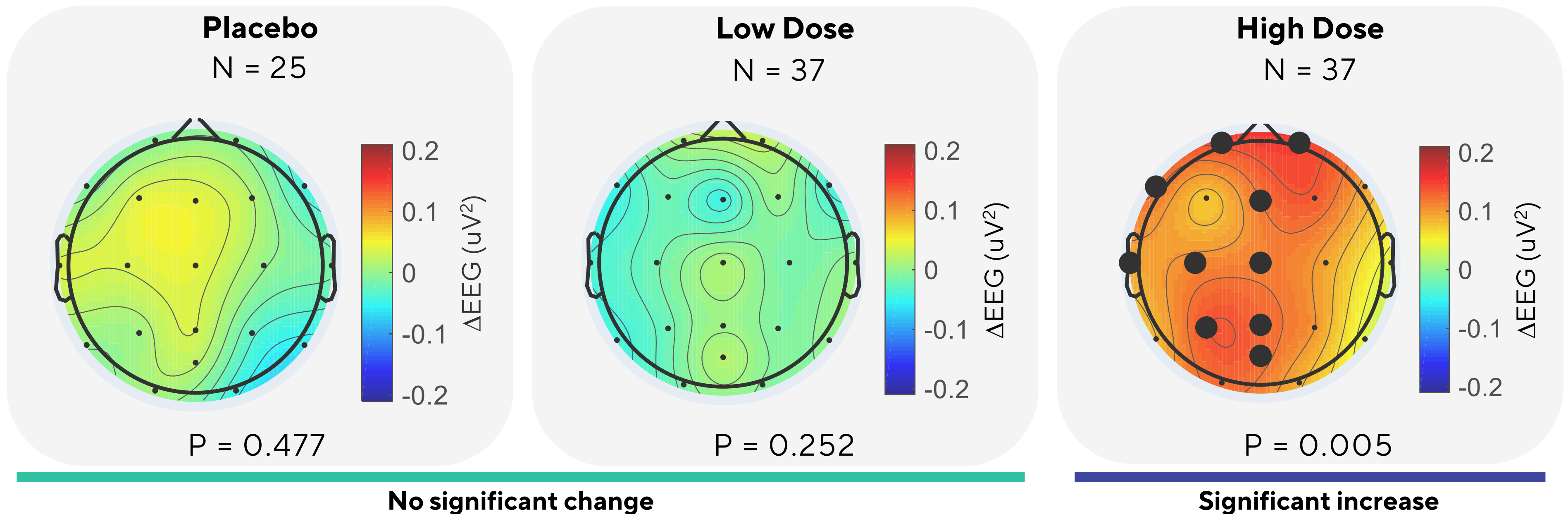
3. Non-exhaustive. Other recorded TEAEs included Upper respiratory tract infection (3%), Rash erythematous (3%), Dysmenorrhoea (3%), Catheter site pain (3%)

4. Of the 565 patients given XANAX in Ph.3 placebo-controlled trials for anxiety disorders, 41% reported drowsiness versus 22% of those administered placebo (as reported in XANAX FDA label)

Preliminary data, subject to change

GRX-917 Phase 1 data: Dose-dependent increase in frontal beta power was demonstrated, providing evidence of target engagement and mechanism of action

Changes in Beta power from pre-dose to 3-hour post-dose¹



Channels with significant differences (paired t-test; $p < 0.05$, after FDR correction for multiple comparison) are marked with black circles. Topographical maps show distribution of beta power (13-30 Hz) across the scalp.

Note: FDR = False Discovery Rate, EEG = Electroencephalogram

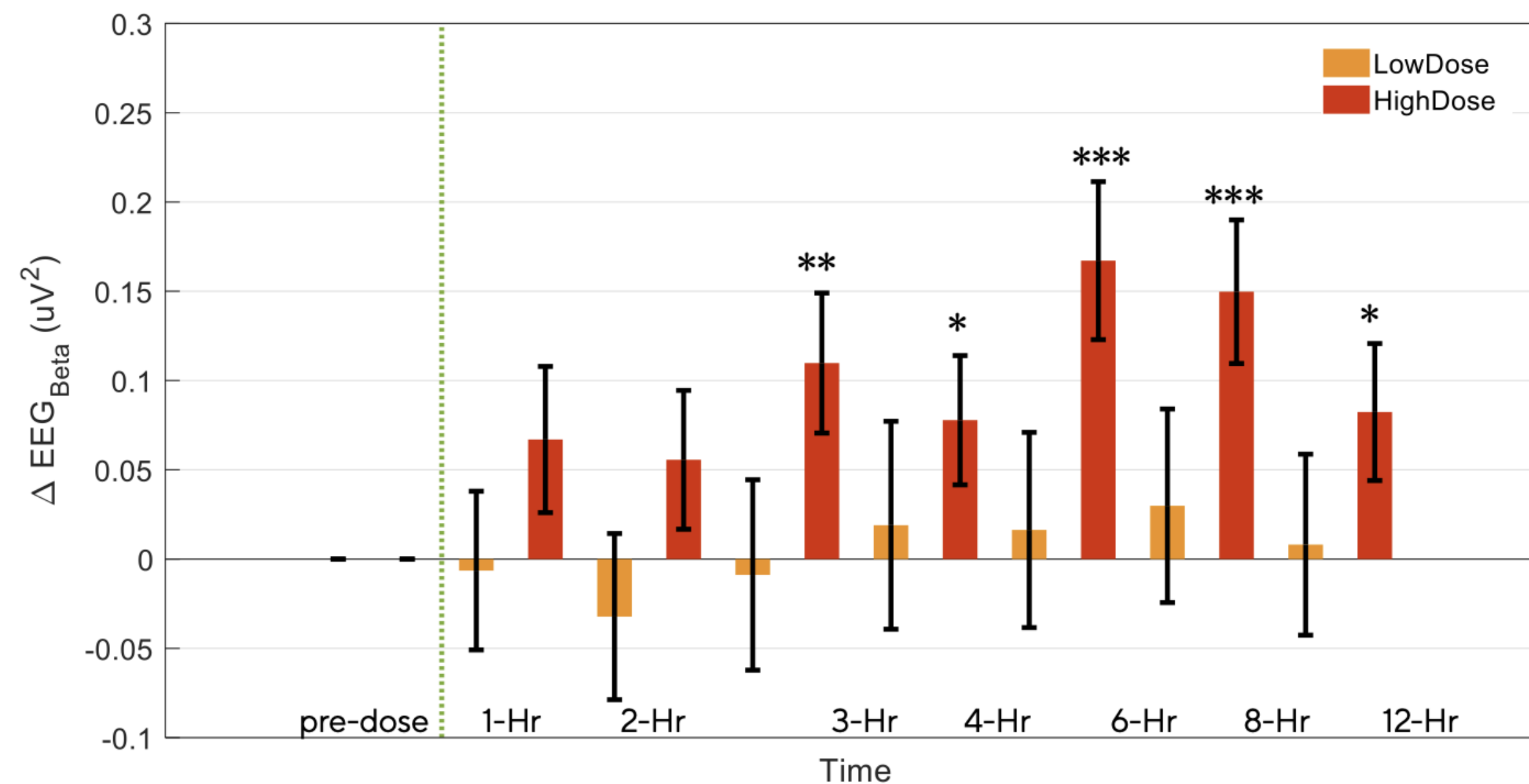
1. Power is NOT in log scale and the unit of measurement is μV^2

2. Given twice daily every 12 hours

Preliminary data, subject to change

GRX-917 Phase 1 data: The EEG beta effect was also time-dependent, showing a rapid onset of effect with a delayed pharmacodynamic curve

Group average changes in Beta power for low dose and high dose groups per time point¹



- Average differences in each time point is compared to zero and time points with significant changes (t-test, $p < .05$) were marked with asterisk

* $p < .05$ ** $p < .01$ *** $p < .001$

Note: EEG = Electroencephalogram

1. Changes in beta power averaged over each channel from pre-dose to each time point (pre-dose power subtracted from post dose at each point)

Preliminary data, subject to change

SUMMARY



There is an unmet need in GAD for therapies with rapid onset, high efficacy, and minimal side effects

SSRI/SNRI’s are current standard of care for GAD but require 4-6 weeks for onset of effect and have several disadvantages¹:

- 1. SSRI/SNRI-specific inadequacy
- 2. Lack of tolerability
- 3. Patient nonadherence to medications that fail to relieve symptoms of anxiety quickly

Benzodiazepines are second-line treatment, offering fast and effective relief, but carrying significant risk of:

- 1. Sedation
- 2. Impaired cognition
- 3. Dependence/addiction

GRX-917 is developed to address unmet need in Generalized Anxiety Disorder (GAD) with rapid onset and favorable safety

Overview of Current Therapeutic Options for Generalized Anxiety Disorder

Class	Examples	Mechanism of action	Favorable safety profile	Rapid onset	Minimal side effects	Non-addictive
Benzoxazine	Deuterated etifoxine (GRX-917)	GABA _A Channel and TSPO Potentiation				
Anticipated pharmacological profile based on etifoxine and GRX-197 Phase 1 data						
Selective Serotonin Reuptake Inhibitor (SSRI)	Escitalopram	SERT blockade				
Serotonin and Norepinephrine Reuptake Inhibitor (SNRI)	Venlafaxine	SERT AND NET blockade				
Benzodiazepines	Lorazepam / Alprazolam	GABA _A Potentiation				
Tricyclic Antidepressant (TCA)	Imipramine	Mixed MoA				
Azapirones	Buspirone	partial 5-HT1A agonist				
Gabapentinoid	Pregablin	VDCC inhibition				

Note: GABA = Gamma aminobutyric acid, SERT = serotonin transporter , NET = serotonin transporter; MoA = Mechanism of Action; 5HT1a = serotonin 1A receptor; VDCC = voltage dependent calcium channel; TSPO = mitochondrial translocator protein
Source: Publicly available information, including company websites and clinicaltrials.gov, GlobalData, Evaluate Pharma (both as of 2022)
1. DeMartini et al., “Generalized Anxiety Disorder” (2019)

Substance Use Disorder



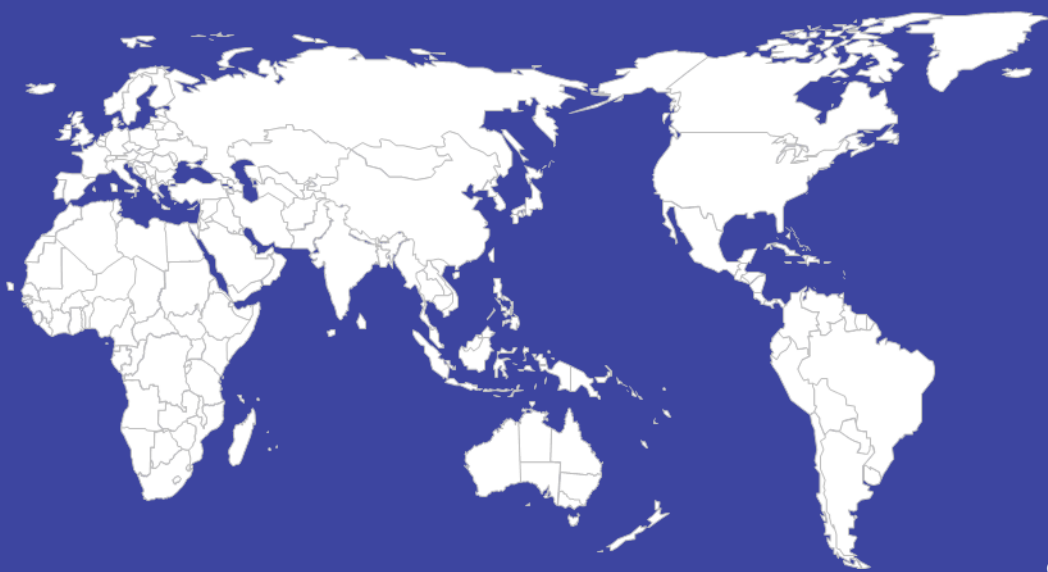
Substance Use Disorder (SUD)

Disease Overview

Substance use disorders are highly prevalent disorders characterized by an inability to control the use of a legal or illegal drugs, alcohol, or medications (e.g., prescription opioids)



SUD in numbers



~20m+
US sufferers of SUD in 2019¹

~70k
US deaths from opioid drug overdose in 2020³

\$787bn
Societal cost associated with Opioid Use Disorder in the US⁴

AN ONGOING PANDEMIC

~3m

Number of OUD sufferers in US

Approximately 3 million individuals in the US suffered from Opioid Use Disorder (OUD) in 2020²

~75%

High relapse rates

Approximately ~75% of patients undergoing OUD therapy experience relapse within one year⁵

~93,000

Drug overdose deaths increase ~30%

COVID-19 severely exacerbated the crisis for those with a SUD; drug overdose deaths increase ~30% with ~93,000 deaths in 2020, nearly 70,000 of which involved opioids⁶

2

Limited treatment options for OUD

The current standard of care for OUD consists only of synthetic full and partial opioid receptor agonists (methadone & buprenorphine) and opioid antagonists (naltrexone); withdrawal agents do not treat the opioid addiction and only manage symptoms of withdrawal

1. SAMSHA - Key Substance Use and Mental Health Indicators in the United States: Results from the 2019 National Survey on Drug Use and Health)
2. Azadfard et al., "Opioid Addiction" (2020)
3. Ahmad FB, Rossen LM, Sutton P. "Provisional drug overdose death counts". National Center for Health Statistics (2021)

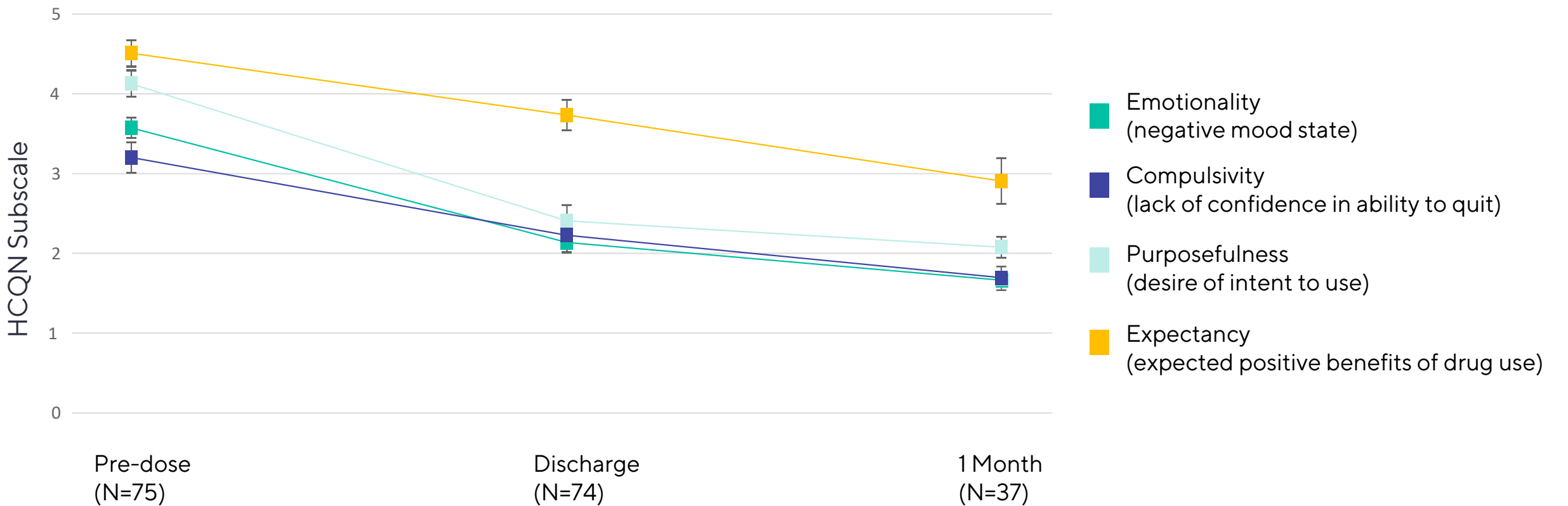
4. Murphy, "The cost of opioid use disorder and the value of aversion" (2020)
5. Sinha, "New Findings on Biological Factors Predicting Addiction Relapse Vulnerability" (2011)
6. National Center for Health Statistics - Provisional Drug Overdose Death Counts

SUMMARY

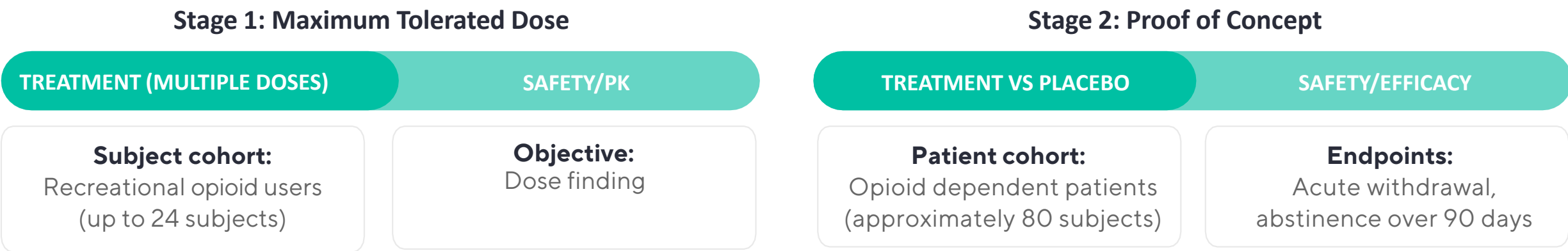
OWNERSHIP	59.5% ¹
PRODUCT	Ibogaine HCl capsules (DMX-1002), ibogaine is a naturally occurring psychedelic compound isolated from a West African shrub, iboga
PHARMA-COLOGY	Cholinergic, glutamatergic and monoaminergic receptor modulator
PRODUCT FEATURES	A single dose of ibogaine may precipitate rapid withdrawal and long-term abstinence in Opioid Use Disorder patients
INDICATIONS	Primary: Opioid Use Disorder Potential: Substance Use Disorder, Post-Traumatic Stress Disorder, Traumatic Brain Injury
CURRENT STATUS	Phase 1/2 trial initiated in H2'21 Phase 1 results expected H1'23
INTELLECTUAL PROPERTY	Pending method of treatment claims for Opioid Use Disorder for ibogaine
HIGHLIGHT	Potential sustained reduction in opioid craving with DMX-1002 single administration

A single-dose of ibogaine showed potential for sustained reductions in opioid cravings in 75 opioid-dependent patients

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY²)



ONGOING PHASE 1/2 TRIAL



Note: HCQN = Heroin Craving Questionnaire, PK = Pharmacokinetics.

1. Unless otherwise indicated herein, ownership percentage based on ownership of securities with voting rights as of September 30th, 2022. Refers to ownership in DemeRx IB. DemeRx NB ownership is 6.3%, which does not give effect to option to acquire further shares which may increase the ownership to up to 57.1%

2. Mash et al., "Ibogaine Detoxification Transitions Opioid and Cocaine Abusers Between Dependence and Abstinence: Clinical Observations and Treatment Outcomes" (2018)

SUMMARY

DMX-1002 could potentially become a paradigm-shifting therapy for Opioid Use Disorder (OUD)

Current standard of care for OUD is medication therapy, requiring opioid substitutes that carry significant side effects

Current strategies for withdrawal support have high rates of relapse

DMX-1002 has the potential to become the first & best in-class treatment for OUD, minimizing risk of relapse

	Therapy	Mechanism of Action	Single Therapeutic Episode	No Opioid Side Effects	Minimal Abuse Potential	High Adherence / Low Risk of Relapse
Sustained relapse prevention Single dose administered in monitored setting, providing both withdrawal support and oneiric experience driving sustained remission	Ibogaine (DMX-1002) DemeRx	Cholinergic, glutamatergic and monoaminergic receptor modulator				
Medication Assisted Therapy¹ Daily therapy given in substitution of opioid in outpatient setting in attempt to wean off from opioid	Methadone	Mu-agonist				
	Buprenorphine	Partial Mu-agonist				
	Naltrexone	Mu-antagonist				
Withdrawal Support² Therapies given for symptomatic management during supervised withdrawal (detoxification)	Clonidine	Alpha-2 agonist				
	Lofexidine	Alpha-2 agonist				

Note: OUD = Opioid Use Disorder
Source: Publicly available information, including company websites and clinicaltrials.gov, GlobalData, Evaluate Pharma (both as of 2022)
1. Current Standard of Care
2. Rarely used given high rates of relapse. Used primarily in institutional or penitentiary settings

Enabling Tech

Enabling technologies: Our formulation & biomarker stratification companies provide an additional avenue of growth & innovation to the atai platform

Introspect



Digital therapeutics platform enabling personalized care

- Developing digital tools and devices to provide personalized clinical psychotherapy to patients
- Digital therapeutics (DTx) will deliver scalable treatment to those who might not otherwise have access to high-quality psychological care

Recent milestones

- Introspect's DTx, IDEA-01, incorporated into clinical development plans for various atai pipeline products, incl. Viridia Life Sciences and EmpathBio

EntheogeniX



AI-enabled computational biophysics drug discovery platform

- Developing new chemical entities (NCEs) by selecting for desirable pharmacological targets of psychedelics while avoiding undesirable anti-targets
- Discovered two novel chemical series with potent 5-HT_{2A} receptor agonism and optimal CNS drug-like properties

Recent milestones

- Novel chemical series' have lower hallucinogenic potency than psilocin, whilst maintaining antidepressant-like activity (*data presented at Society of Neuroscience 2022 conference*)

InnarisBio



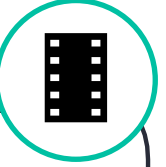
Sol-gel based, nose-to-brain, drug delivery platform

- Developing a non-invasive, nose-to-brain delivery technology that avoids systemic circulation and first-pass metabolism
- INB-01 is sol-gel based, designed to deliver the drug as a liquid at room temperature, then becoming a gel instantaneously in the nasal cavity

Recent milestones

- Initiated Ph.1 proof-of-concept study to demonstrate tolerability, safety and effective brain delivery of intranasal INB-01 (*results expected H1'23*)

IntelGenx



Oral Thin Film (OTF) manufacturer licensed to develop re-formulations of scheduled compounds

- Developing an OTF formulation of Viridia's VLS-01, enabling buccal administration of DMT and avoiding first-pass metabolism
- Utilizes VersaFilm technology that resembles a Listerine breath strip, (already approved in schizophrenia)

Recent milestones

- Initiated first-in-human clinical study of an OTF psychedelic drug candidate with buccal VLS-01 Phase 1 study (*results expected H1'23*)

“Watching my best friend and business partner suffer, being let down by existing treatments and finally finding comfort in psychedelic therapies, was all the inspiration I needed to commit my life to this cause.”