UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d)

of the Securities Exchange Act of 1934

Date of report (Date of earliest event reported): July 13, 2021

ATAI LIFE SCIENCES N.V.

(Exact name of registrant as specified in its charter)

The Netherlands (State or other jurisdiction of incorporation or organization)

001-40493 (Commission File Number) Not Applicable (I.R.S. Employer Identification No.)

c/o Mindspace Krausenstraße 9-10 10117 Berlin, Germany (Address of principal executive offices) (Zip Code)

+49 89 2153 9035 (Registrant's telephone number, include area code)

N/A

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

D Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

	Trading	Name of each exchange
Title of each class	Symbol(s)	on which registered
Common shares, €0.10 par value per share	ATAI	The Nasdaq Global Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company 🗵

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 7.01. Regulation FD Disclosure.

ATAI Life Sciences N.V. (the "Company") from time to time presents and/or distributes to the investment community at various industry and other conferences slide presentations to provide updates and summaries of its business. On July 13, 2021, the Company posted an updated corporate slide presentation in the "Investors" portion of its website at *www.atai.life*. A copy of its current corporate slide presentation is attached to this Current Report on Form 8-K as Exhibit 99.1. The Company undertakes no obligation to update, supplement or amend the materials attached hereto as Exhibit 99.1.

The information contained in Item 7.01 of this Form 8-K (including Exhibit 99.1 attached hereto) shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly provided by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

The following Exhibit 99.1 relating to Item 7.01 shall be deemed to be furnished, and not filed:

Exhibit No.

Description

- 99.1 Corporate Slide Presentation of ATAI Life Sciences N.V. dated July 2021
- 104 Cover Page Interactive Data File (embedded within the inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ATAI LIFE SCIENCES N.V.

Date: July 13, 2021

By: /s/ Florian Brand Florian Brand Chief Executive Officer



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



Company Overview_____

Disclaimer

This presentation may include forward-looking statements. All statements other statements. We caution you therefore against relying on these forward-looking necessarily subject to uncertaint than statements of historical facts contained in this presentation, including statements, and we qualify all of our forward-looking statements by these those described above. These a statements regarding our future results of operations and financial position, cautionary statements. industry dynamics, business strategy and plans and our objectives for future operations, are forward-looking statements. These statements represent our The forward-looking statements included in this presentation are made only as of the information they contain ha opinions, expectations, beliefs, intentions, estimates or strategies regarding the the date hereof. Although we believe that the expectations reflected in the reliable, but that the accuracy future, which may not be realized. In some cases, you can identify forward-looking forward-looking statements are reasonable, we cannot guarantee that the future guaranteed. Forecasts and other statements by terms such as "may," "will," "should," "expects," "plans," results, levels of activity, performance or events and circumstances reflected in sources are subject to the sam "anticipates," "could," "intends," "targets," "projects," "contemplates," "believes," the forward-looking statements will be achieved or occur. Moreover, neither we forward-looking statements in thi "estimates," "predicts," "potential" or "continue" or the negative of these terms nor our advisors nor any other person assumes responsibility for the accuracy and or other similar expressions that are intended to identify forward-looking completeness of the forward-looking statements. Neither we nor our advisors This presentation contains excei statements. Forward-looking statements are based largely on our current undertake any obligation to update any forward-looking statements for any been treated with compounds c expectations and projections about future events and financial trends that we reason after the date of this presentation to conform these statements to actual product candidates in the conte believe may affect our financial condition, results of operations, business strategy, short term and long-term business operations and objectives and financial needs. should read this presentation with the understanding that our actual future beneficial results of such compou These forward-looking statements involve known and unknown risks, results, levels of activity, performance and events and circumstances may be clinical stages of development a uncertainties, changes in circumstances that are difficult to predict and other materially different from what we expect. important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements Unless otherwise indicated, information contained in this presentation concerning Any trademarks included herein expressed or implied by the forward-looking statement. Moreover, we operate in our industry, competitive position and the markets in which we operate is based used for reference purposes or 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 third-party sources and management estimates. Management estimates are assess the impact of all factors on our business or the extent to which any factor, derived from publicly available information released by independent industry or combination of factors, may cause actual results to differ materially from those analysts and other third-party sources, as well as data from our internal research, contained in any forward-looking statements we may make. In light of these risks, and are based on assumptions made by us upon reviewing such data, and our uncertainties and assumptions, the forward-looking events and circumstances experience in, and knowledge of, such industry and markets, which we believe to discussed in this presentation may not occur and actual results could differ be reasonable. In addition, projections, assumptions and estimates of the future materially and adversely from those anticipated or implied in the forward-looking performance of the industry in which we operate and our future performance are

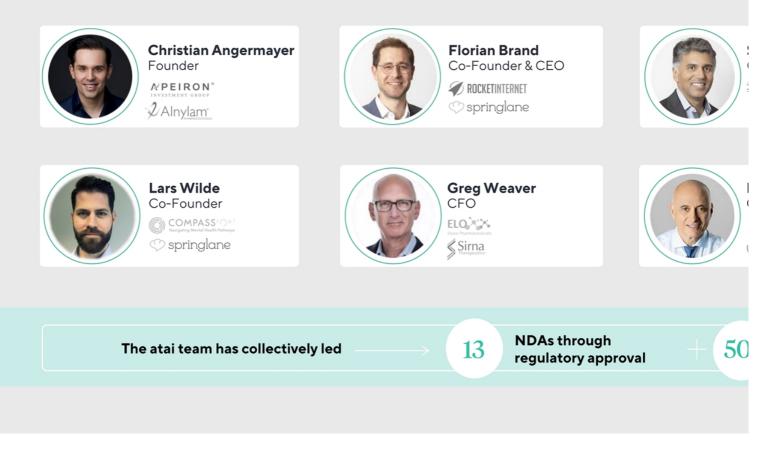
results or to changes in our expectations, except as may be required by law. You solely intended to be illustrativ

on information from independent industry and research organizations, other endorsement of the products or s

materially from those expressed and by us. Industry publications,

approved by the FDA or any other

We are a founder-led team aiming to develop differentiated treatmen patients suffering from mental health disorders



Executive Summary and Key Investment Highlights



Mental health disorders have become <mark>one of largest global health burdens</mark>, exacerbated by the COVID-19 pandemic. Despite the unmet patient need, innovations remain limited, with only 7 new neuropsychiatric drugs approved since 2015.



As a response to lack of innovation, atai focuses on <mark>compounds with prior clinical</mark> evidence, including psychedelics whose therapeutic potential has become evident in recent academic studies and which have benefited from recent regulatory momentum.



Since 2018 we have aggressively grown our platform to 6 psychedelic, 5 nonpsychedelic drug development programs and 6 enabling technologies, focusing on differentiated and potentially disease-modifying mental health treatments.

Our platform approach: Decentralized drug development process, leveraging the atai team and our enabling technologies such as digital therapeutics to aim for improved safety, efficacy and probability of clinical success across our pipeline.



Increased investor appetite as the IPO of COMPASS Pathways and the Otsuka partnership with our subsidiary Perception Neurosciences demonstrate our ability to capture value.

With a team of more than 50 highly experienced professionals at atai, an additional 150 FTEs / consultants across our companies and a cash position as of March 31, 2021 of approx. \$449M¹, we are well positioned to achieve our upcoming anticipated value inflection points.

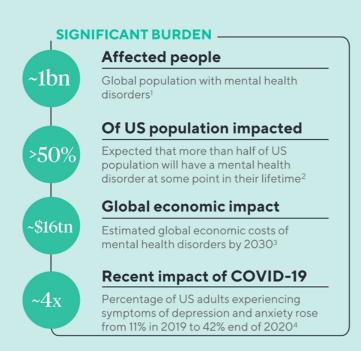
(1) After giving effect to our Series D and IPO financings.



Founded in 2018

As a response to the **significant unmet need a innovation** in the mental health treatment lanc as the **emergence of therapies that previously been overlooked or underused**, including psyc compounds and digital therapeutics.

Although mental health has become one of the largest global healthca challenges, there has been little innovation for patients⁷



- Ritchie, "Global mental health: five key insights which emerge from the data", Our World In Data (2018). Kapil, 75 Surprising Mental Health Statistics", National Council for Behavioral Health (2019). Patlet et al., "The Lancet Commission on global mental health and sustainable development", The Lancet (2018). Abbott, "COVID's mental-health toll: how scientists are tracking a surge in depression, Nature (2021)



Salzer, "National Estimates of Recovery-Remission From Serious Mental Illness", Psychiatry Onlin Tew et al., "Impact of prior treatment exposure on response to antidepressant treatment in late lif Sinha, "New Findings on Biological Factors Predicting Addiction Relapse Vulnerability" (2011) EvaluatePharma (as of 19.03.2021). New drugs include new molecular entities or new active ingre

A resurgence in psychedelic therapies is emerging as promising diseas modifying drug candidates progress with regulatory momentum



- Hofmann, MAPS (1996) Dyck, "Hitting Highs at Rock Bottom": LSD Treatment for Alcoholism" (2006) Williams, "Human Psychedelic Research: A Historical and Sociological Analysis" (1999) FDA, Drug Law History (2018)

Griffiths et al., "Psilocybin produces substantial and sustained decreases in depression and anxie MAPS, announcement breakthrough designation Phase 3 (2017) COMPASS, COMPASS Pathways Receives FDA Breakthrough Therapy Designation for Psilocyl FDA, FDA Approves New Nasal Spray (2019)

Patient reports: In a study, more than half of the patients ranked psilo therapy among the top five most meaningful experiences of their live

"When I had a craving, something in my head quickly thought about the good part, the taste, the feeling, the high, right? But if I think of the drug now... I quickly think about the downside. It changed the perception I have regarding the drug."²



"It sort of relieved a lot of stress, a lot of negative thoughts within my body... opened my eyes to see where my stress and conflict is coming from... It is hard to explain but... it just brought a lot of grief up that I had inside me, it brought it out and I got rid of a lot of grief."³



new reborn p not felt that long time. I fe about mysel

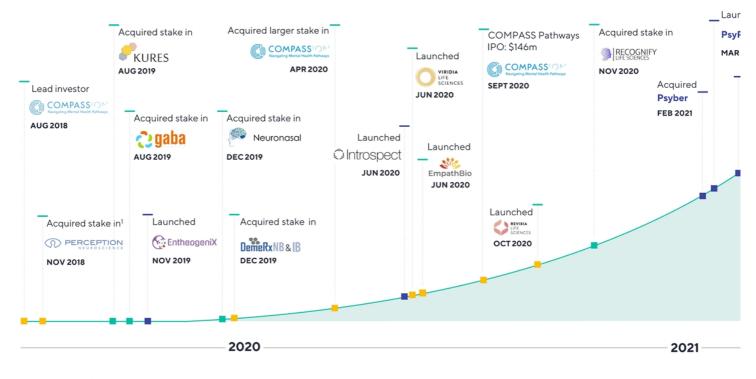


Ayahuas

Griffiths et al. "Psilocybin can occasion mystical-type experiences having substantial and sustained personal meaning and spiritual significance" (2006) Schenberg et al. "Treating drug dependences with the aid of blogaine: A qualitative study" (2017) Watts et al. "Patients" Accounts of Increased "Connectedness" and Acceptance" After Psilocybin for Treatment-Resistant Depression" (2017) Argento et al. "Patients" Accounts of Increased "Connectedness" and Acceptance" After Psilocybin for meaning amon an Indiaenous community in Canada" (24



Rapid Growth via incubations and acquisitions: 6 psychedelic programs, 5 non-psychedelic programs and 6 enabling tec



1. Ketamine and S-ketamine are psychedelic/dissociative at therapeutic doses, while R-ketamine (the enantiomer that Perception Neuroscience is developing) is assumed to be nonpsychedelic at effective doses.

Development program overview: Our company ownership, lead com lead indications and stage of development

			OUR PR	OGRAMS			
Company	Lead Compound	Lead Indication	Туре	Ownership % ¹	Preclinical	Phase 1	Ph
PERCEPTION	PCN-101 / R-ketamine	TRD	VIE	50.1%²			
	RL-007 / Compound ³	CIAS	VIE	51.9%			
DemeRx IB	DMX-1002 / Ibogaine	OUD	VIE	59.5%		•	
Neuronasal	NN-101 / N-acetylcysteine	mTBI	VIE	56.5%4			
FKURES	KUR-101 / Deuterated mitragynine	OUD	VIE	54.1%5			
EmpathBio	EMP-01 / MDMA derivative	PTSD	Wholly Owned	100%			
	RLS-01 / Salvinorin A	TRD	Wholly Owned	100%			
VIRIDIA LIFE SCIENCES	VLS-01/ DMT	TRD	Wholly Owned	100%			
		El	NTITIES LIMITED T	O EQUITY INTER	REST		
COMPASS ON Navigating Mental Health Pathways	Developing COMP360 the specially trained therapists,			19.4%			
🔁 gaba	0	Developing deuterated etifoxine HCl oral dosage form (GRX-917) as potential therapy for GAD. Phase 1 trial initiated.					
DemeRx NB	1 0	Developing DMX-1001, a formulation of noribogaine, as a potential at-home maintenance therapy for OUD. Preclinical stage.					
PTSD = Post-traumatic stress disord (1) Unless otherwise indicated here	epression; CIAS = Cognitive impairment asso der, VIE = Variable interest entity. ein, ownership percentage based on ownershi t to the shares of common stock issuable upor	p of securities with voting rights as o	f May 30 th , 2021.	(5) Kures ownership do	es not give effect to the obli		

(2) Perception does not give effect to the shares of common stock issuable upon the conversion of outstanding convertible notes he increase the ownership.
(3) RL-007 compound is (2R, 3S)-2-amino-3-hydroxy-3-pyridin-4-yl-1-pyrrolidin-1-yl-propan-1-one(L)-(+) tartrate salt.
(4) Neuronasal ownership does not give effect to the obligation to acquire further shares upon the achievement of specified develop which may increase the ownership to up to 64.5%.

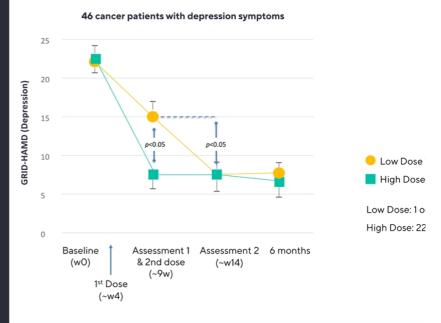
increase the ownership to up to 6.7.9%. (6) As of June 30, 2021, we held a 19.4% ownership interest in COMPASS. (7) GABA ownership does not give effect to the obligation to acquire further shares upon the increase the ownership to up to 54.2%. (8) DemeRX NB ownership does not give effect to option to acquire further shares upon the a increase the ownership to up to 57.1%.



OWNERSHIP	19.4%
PRODUCT	Oral Psilocybin (COMP360)
PHARMA- COLOGY	5-HT2A-R agonist
PRODUCT FEATURES	Rapid onset, potential for sustained efficacy after single dose
INDICATIONS	Primary: Treatment Resistant Depression Potential: Major Depressive Disorder, Anorexia, Autism, Bipolar Disorder, Chronic Cluster Headache, Body Dysmorphic Disorder
CURRENT STATUS	COMP360 Phase 1 trial completed and results publicly available, Phase 2b trial results expected end of 2021
INTELLECTUAL PROPERTY	Proprietary formulation of synthetic psilocybin, COMP360
HIGHLIGHT	Psilocybin demonstrated efficacy in reducing depressive symptoms in humans in an academic, third-party study

Early clinical signals have shown psiloc leads to rapid and sustained reduction i symptoms

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY')



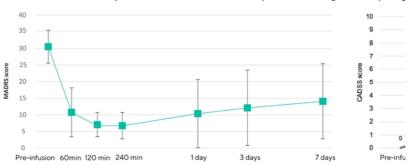
Note: GRID-HAMD = GRID Hamilton Depression Rating Scale; COMP360 = a proprietary high-purity, polymorphic crystalline formulation c therapy, COMP360 is administered in conjunction with psychological support from specially trained therapists. 1. Griffiths et al., "Psilocybin produces substantial and sustained decreases in depression and anxiety in patients with life-threatening canc

OWNERSHIP	50.1%
PRODUCT	Subcutaneous R-ketamine (PCN-101)
PHARMA- COLOGY	Glutamatergic modulator
PRODUCT FEATURES	Rapid-acting, nonpsychedelic antidepressant with potential for at home use
INDICATIONS	Primary: Treatment Resistant Depression Potential: Substance Use Disorder
CURRENT STATUS	Phase 1 trial showed safety and tolerability of R- ketamine at doses of up to 150mg, Phase 2 trial initiation anticipated in mid '21
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 ¹

We aim to develop PCN-101 as a rapid ac antidepressant with potential for at-hon

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY!)

Mean MADRS over 7 days and median CADSS scores of TRD patients after single IV dose (0.5mg



PLANNED PCN-101 PHASE 2 TRIAL: Randomized, double blind, placebo-controlled (n=93)



Note: MADRS = Montgomery-Asberg Depression Rate Scale, CADSS = Clinician-administered dissociative states scale, IV = Intravenous, PE 1. Leal et al., "Intravenous arketamine for treatment-resistant depression: open-label pilot study" (2020)

Deep-dive R-ketamine vs. S-ketamine: Higher-potency, longer lasting antidepressant effect and lower potential for abuse in preclinical mode

Profile of R- vs. S-ketamine

Ketamine (racemate)

Superior and more durable

(S)-KET (mg kg⁻¹)

Learned helplessness test

240 time (s)

180

120 obility

30 Escape failures

20

10

Forced swim test1 (third party study)

1 hour

(R)-KET (mg kg[.])

(R)-KET (mg kg⁻¹)

24 hours

(S)-KET (mg kg⁻¹)

R-ketamine

outperformed and

outlasted S-ketamine

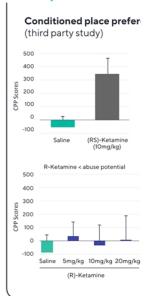
in mice; confirmed in

multiple other animal

models in different labs

(R)-KET (mg kg⁻ⁱ)

Lower potential for abu



R-ketamine lacks the psychotomimetic and abuse potential of S-ketamine at therapeutic doses in preclinical models.

S-ketamine

R-ketamine

Like S-ketamine, R-ketamine's mechanism involves increased neuroplasticity through glutamatergic modulation, with potency differences putatively arising from:

- Different active metabolite profiles
- Different pre- and post-synaptic sites of action
- Involvement of different intracellular pathways (mTORC1 vs. ERK)

Note: mTORC1 = Mechanistic target of rapamycin complex 1, ERK = Extracellular signal-regulated kinases. Sources: Wei et al., "A historical review of antidepressant effects of ketamine and its enantiomers" (2020); Chang et al., "Comparison of antidepressant and side effects in mice after intranasal administration of (R,S)-ketamine, (R)-ketamine, and (S)-keta (2019); 1. Zanos et al., "NDMAR inhibition-independent antidepressant actions of ketamine metabolites" (2016); 2. Yang et al., "R-ketamine: a rapid-onset and sustained antidepressant without psychotomimetic side effects" (2015). <

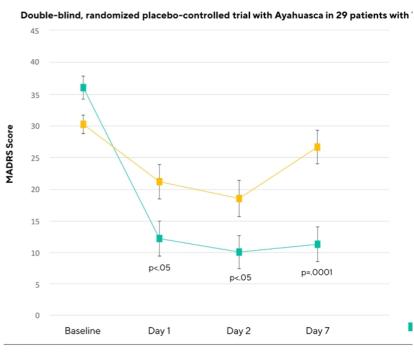
(S)-KET (mg kg⁻¹)



OWNERSHIP	100%
PRODUCT	Dimethyltryptamine (DMT) in a buccal transmucosal film (VLS-01), DMT is the active psychedelic moiety in Ayahuasca
PHARMA- COLOGY	5-HT2A-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	Pre-clinical: Formulation work and safety testir in progress; Phase 1 clinical trial anticipated to initiate in early '22
INTELLECTUAL PROPERTY	Filed provisional on formulations of DMT
HIGHLIGHT	VLS-01 is designed to have an improved duration of psychedelic effect while improving tolerability

VLS-01 may increase patient accessibili patient and clinic time commitment

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY')



Note: MADRS: Montgomery-Asberg Depression Rate Scale. 1. Palhano-Fontes et al. "Rapid antidepressant effects of the

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

OWNERSHIP 100%



PRODUCT	RLS-01 is a buccal formulation of Salvinorin A (SalA), a naturally occurring psychedelic compound derived from the <i>Salvia divinorum</i> plant
PHARMA- COLOGY	Non-orally bioavailable, non-nitrogenous agonist of the kappa-opioid receptor (KOR), no interaction with serotonergic mechanisms
PRODUCT FEATURES	Rapid-acting hallucinogenic compound, no wash-out of SSRIs required
	Primary: Treatment Resistant Depression Potential: Substance Use Disorder, Pain
CURRENT STATUS	Phase 1 clinical trial anticipated to initiate in mid '22
INTELLECTUAL PROPERTY	Filed provisional on formulation of SalA
HIGHLIGHT	Hallucinogenic experiences demonstrated by al six significantly elevated HRS clusters on an active dose, and no significant adverse events (third party study). ¹

Salvonorin A's subjective effects were c be similar to classical psychedelics

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY!)

Participant ratings on Hallucinogen Rating Scale (HRS) completed 1h after drug admi

Note: Data are mean ratings with one standard deviation shown in parentheses (*P < 0.05). 1. Addy, "Acute and post-acute behavioral and psychological effects of salvinorin A in humans" (2011) 2. Median used instead of mean for nonparametric data

Depression positioning and landscape: atai's programs are designed to b differentiated from one another and from competitors

	TRD treatments being developed by atai companies			mpanies	Marketed	therapies	Phase II and III co	
	Compass	Perception	Viridia	Revixia	r%r	e.g. Lilly, Pfizer	Various	GH Resea
Company	COMPASS		VIRIDIA LIFE SCIENCES	REVIXIA LIFE SCIENCES	Johnson-Johnson	Lilly Pfizer	U NOVARTIS NEURORX Johmon-Johmon AXSOME	🚯 GH Res
Compound	COMP360	R-ketamine	DMT	Salvinorin A	S-ketamine	SSRI/SNRI	MIJ-821, NRX- 102, JNJ-5515, AXS-05	5-MeO-[
Potential for at home use		0				0	Ø	
Potential for sustained efficacy	۲	0	۲	0	0		tbd	Ø
Rapid onset of treatment effect ¹	Ø	0	Ø	Ø	۲		tbd	Ø
Mechanism of Action	5-HT2A-R agonist	Glutamatergic modulator	5-HT2A-R agonist	KOR agonist	NMDA-R antagonist	SERT / NET blockade	NMDA-R / mGluR2 antagonists	5-HT1A- 5-HT2 agoni

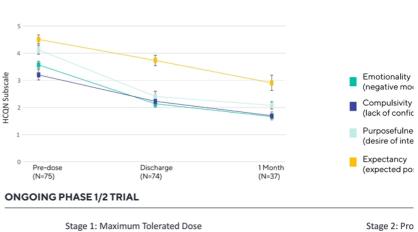
Note: 5HT2A-R = Serotonin 2A receptor, KOR = kappa-opioid receptor, NMDA-R = N-methyl-D-aspartate receptor, NET = Norepinephrine transporter, SERT = Serotonin Transporter, mGluR2 = Metabotropic glutamate receptor 2, GABA = Gamr Dimethyltryptamine, 5-MeO-DMT = 5-methoxy-N,N-dimethyltryptamine, SSRI = Selective Serotonin Reuptake Inhibitor, SNRI = Selective serotonin-norepinephrine reuptake Inhibitor, COMP360 = a proprietary high-purity, polymorphic crystallin model of pallocybin therapy, COMP360 is administered in conjunction with psychological support from specially trained therapists. Sources: GholData, Evaluate Pharma (both as of 2021), Uthaug, M. V. et al. Prospective examination of synthetic 5-methoxy-N,N-dimethyltryptamine inhalation: effects on salivary IL-6, cortisol levels, affect, and non-judgment. Psychopharmacolc 1, Rapid onset of treatment effect versus standard of care.



OWNERSHIP	59.5% ²
PRODUCT	Ibogaine HCI capsules (DMX-1002), ibogaine is a naturally occurring psychedelic compound isolated from a West African shrub, iboga
PHARMA- COLOGY	Opioid mediated, cholinergic, glutamatergic and monoaminergic receptor modulator
PRODUCT FEATURES	A single dose of ibogaine may precipitate a rapid withdrawal and long-term abstinence in OUD patients
	Primary: Opioid Use Disorder Potential: Substance Use Disorder, Post- Traumatic Stress Disorder, Traumatic Brain Injury
CURRENT STATUS	Phase 1/2 trial to initiate in mid ′21
INTELLECTUAL PROPERTY	Pending method of treatment claims for OUD for ibogaine, issued method of treatment claims for OUD patients on methadone for noribogaine ³
HIGHLIGHT	Potential sustained reduction in opioid craving with DMX-1002 single administration

A single-dose of ibogaine showed susta in opioid cravings in 75 opioid-depende

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY')



REATMENT (MULTIPLE DOSES)	SAFETY/PK	TREATMENT VS PCB	
Subject cohort: Recreational opioid users (up to 30 subjects)	Objective: Dose finding	Patient cohort: Opioid dependent patients (approximately 80 subjects)	

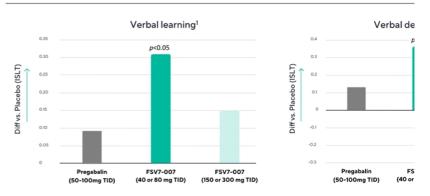
Note: HCQN = Heroin Craving Questionnaire, PTSD = Post-traumatic stress disorder, OUD = Opioid use disorder, PCB = Placebo, PK = Pharmacc 1. Mash et al., "Ibogaine Detoxification Transitions Opioid and Cocaine Abusers Between Dependence and Abstinence: Clinical Observations : 2. Refers to ownership in DomeRx IB. DemeRx NB ownership is 6.3%, which does not give effect to option to acquire further shares which may 3. Noribogaine Intellectual property resides in DemeRx NB



OWNERSHIP	51.9%
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	Cholinergic, glutamatergic and GABA-B receptor modulator
PRODUCT FEATURES	No drug-related serious adverse events in over 500 study subject exposures, pro-cognitive effects demonstrated in two Phase 1 and one Phase 2 trials
	Primary: Cognitive Impairment Associated with Schizophrenia Potential: Autism, Alzheimer's dementia
CURRENT STATUS	Phase 2a trial initiated in H1'21
INTELLECTUAL PROPERTY	Issued composition of matter patent
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-cogn human clinical studies

PRIOR EVIDENCE IN HUMANS



ONGOING PHASE 2 TRIAL: Single-arm, single-blind dose-ranging clinical trial

(5-7 COHORTS)						
	DAY	-1	1	2	3	
Up to 56 Schizophrenia patients				ry endpoint: nd tolerability		

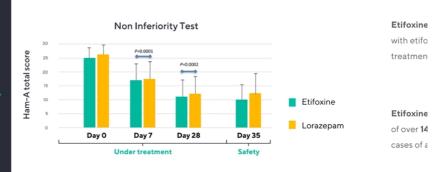
Note: CIAS = Cognitive impairment associated with schizophrenia; RL-007 is (2R, 3S)-2-amino-3-hydroxy-3-pyridin-4-yl-1-pyrrolidin-1-yl-propar 1. Verbal learning was assessed by the "International Shopping List Task" (ISLT) 2. Verbal delayed recall was assessed by ISLT with a delayed recall, as a parameter for short-term memory

OWNERSHIP	53.8%
PRODUCT	Deuterated etifoxine HCl oral dosage form (GRX-917)
PHARMA- COLOGY	Etifoxine facilitates endogenous production of neurosteroids like allopregnanolone 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 initiated in H1′21
INTELLECTUAL PROPERTY	Issued composition of matter on deuterated etifoxine (GRX-917) and corresponding methods of use
HIGHLIGHT	GRX-917 is aimed to be an improved version of Etifoxine, which already showed promising results

🔁 gaba

GRX-917 has the potential for benzodia: onset efficacy with improved safety and

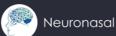
PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY')



ONGOING PHASE 1 TRIAL



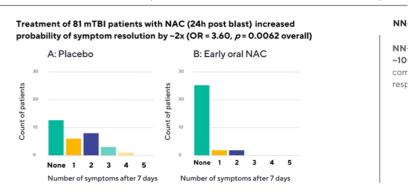
. lote: HAM-A = Hamilton Anxiety Rating Scale, SD = standard deviation, qEEG = Quantitative electroencephalography, PK = Pharmacokinetics. f Nguyen et al., "Efficacy of etifoxine compared to lorazepam monotherapy" (2006) . Cottin et al., "Safety profile of etifoxine: A French pharmacovigilance survey" (2016)



OWNERSHIP	56.5%
PRODUCT	Intranasal N-acetylcysteine (NN-101)
PHARMA- COLOGY	N-acetylcysteine (NAC) stimulates glutathione production thus reducing oxidative damage
PRODUCT FEATURES	Direct-to-brain intranasal administration showed to increase concentrations in the brain and reduce side effects associated with very high doses of oral or IV NAC
INDICATIONS	Primary: mild Traumatic Brain Injury Potential: Parkinson's Disease
CURRENT STATUS	Pilot study completed in H2'20, Phase 1 trial anticipated to initiate in mid '21
INTELLECTUAL PROPERTY	Pending patent on methods of use of NAC for treating post-concussion syndrome
HIGHLIGHT	Improved brain-penetration of NN-101 and NAC effect in early mTBI

NN-101 has the potential to become the pharmacological treatment for mTBI

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY¹ AND NEURONASAL PILOT)



PLANNED PHASE 1 TRIAL: Single-site, 4-part clinical trial

Subject cohort:	Objective:	
Healthy volunteers	Identify optimized drug and device	Bra

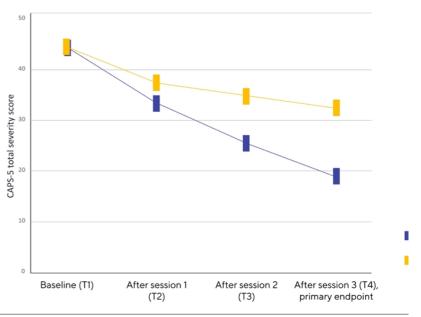


OWNERSHIP	100%
PRODUCT	EMP-01 is an oral formulation of an MDMA derivative being developed for the treatment of PTSD
PHARMA- COLOGY	A monoamine releaser and reuptake inhibitor with prominent effects on serotonin (5-HT)
PRODUCT FEATURES	An entactogen; a compound class that increases feelings of empathy and closeness with a potentially improved cardiovascular profile compared to MDMA
	Primary: Post-traumatic Stress Disorder Potential: General Anxiety Disorder
CURRENT STATUS	Phase 1 trial anticipated to initiate in mid '22
INTELLECTUAL PROPERTY	Filed provisional on formulation, combination approach
HIGHLIGHT	EMP-01 is aimed to be an improved version of MDMA to treat PTSD symptoms, through an improved cardiovascular profile and potential digital therapeutic support

MDMA-assisted psychotherapy signific PTSD symptoms in 90 severe PTSD pat

PRIOR EVIDENCE IN HUMANS (THIRD PARTY STUDY')

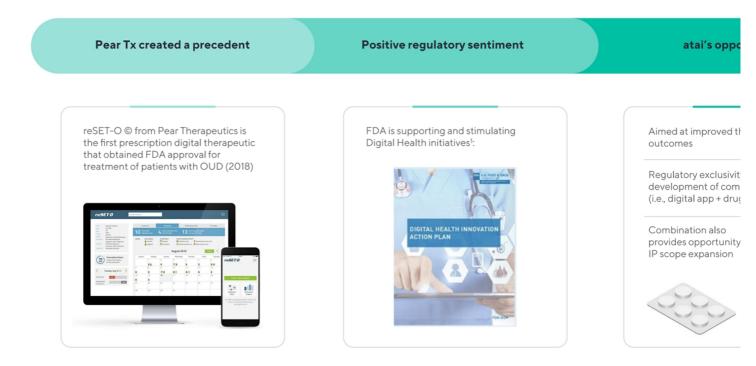
MDMA-assisted therapy significantly reduced CAPS-V scores in PTSD patients (prim



Note: Change in CAPS-V total severity score from T1 to T4 (P < 0.0001, d = 0.91, n = 89 (MDMA n = 46)), as a measure of the primary outcome. Primary analysis was completed using least square means from a mixed model repeated measure (MMRM) analysis model; (n=90) Mitchell et al., "MDMA-assisted therapy for severe PTSD: a randomized, double-blind, placebo-controlled phase 3 study" (2021)

Deep dive Introspect: Powerful digital therapeutics strategies across the pipeline with goal to improve treatment outcomes





1. FDA, "Digital Health Innovation Action Plan" (2018)

Recent achievements and upcoming value inflection points



Anticipated Milestones next 1



Notes: FSI = First subject in, SQ = Subcutaneous, IV = Intravenous, BA = Bioavailability

Financial Position

~\$2.8B⁽¹⁾

154.8M

Issuer (ticker)

ATAI Life Sciences N.V. (NASDAQ: ATAI)

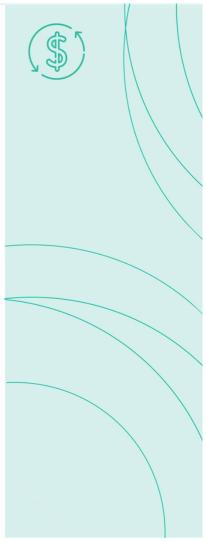
Market capitalization

Outstanding shares

Cash & cash equivalents • ~\$449M cash & cash equivalents as of March 31, 2021⁽²⁾

- In the second quarter of 2021, atai successfully completed an IPO and raised total gross proceeds of ~\$258.8M (including the underwriters' allotment)
- atai is well financed to fund planned operations through 2023









Investor Contact:

Greg Weaver Chief Financial Officer Email: greg.weaver@atai.life



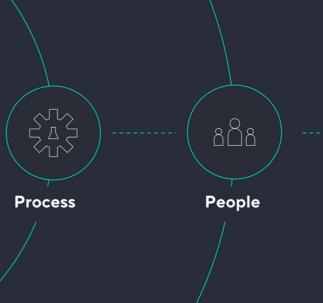
Appendix

ATAI PLATFORM

INDICATION DEEP DIVES:

- Overview
- Depression
- CIAS
- SUD
- Anxiety
- mTBI
- MoA

The atai approach: We are leveraging a platform approach to to aim for improved probability of clinical success



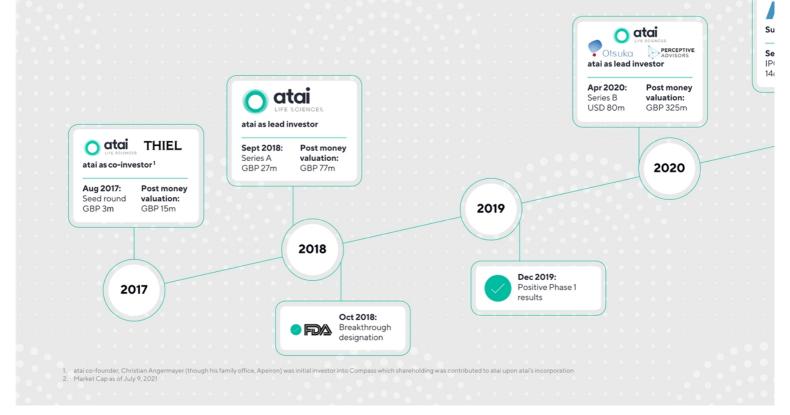
The atai model: Rigorous process paired with the right people and enabling technologies as our approach to increase probability of suc



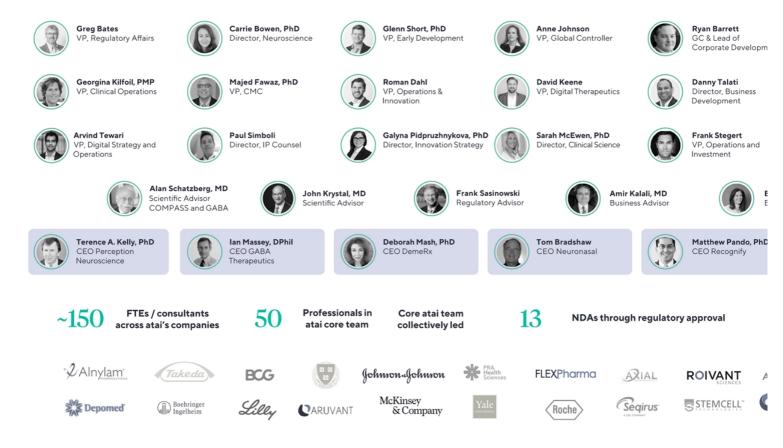
Our process is designed to aim for effective program selection, drug development and value capturing



Case study: COMPASS Pathways creates a precedent for atai's compa From foundation in 2017 to public company today



Our People: 50 atai professionals with strong track record and a group of es advisors support the CEOs of our companies with the execution of our trial



Our enabling technologies are designed to drive efficient drug discovery and improved treatment outcomes

Digital Therapeutics

C Introspect

Wholly owned digital therapeutics platform dedicated to providing more comprehensive, personalized care management with potential to secure stronger IP protection

Psyber

Utilizes digital combination tools to empower atai's programs, such as remote monitoring and remote counseling

Al Enabled Drug Discovery

EntheogeniX

Joint venture with Cyclica, with atai currently owning 80%

 \checkmark

Al-enabled computational biophysics platform designed to optimize and accelerate drug discovery

Potential to be a product engine for atai supporting the next generation of novel programs

Form Biomarke

Ps

Metabolomi to develop pr

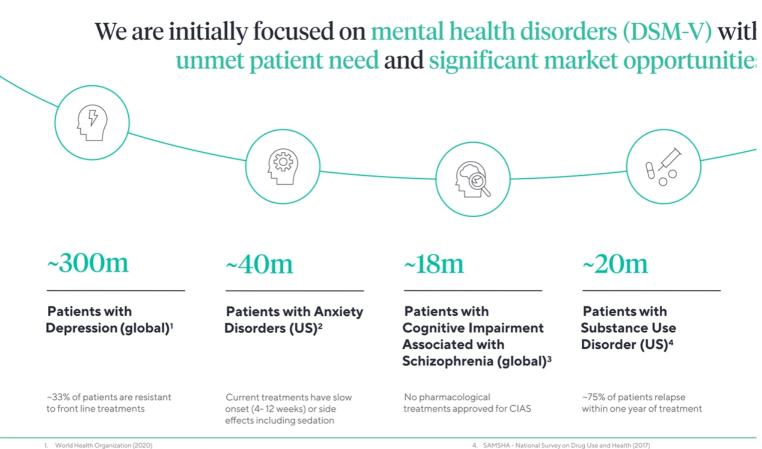
Inr

Joint ventur direct-to-bra

Partnership

Decentralized drug development approach with deep therapeu focus on mental health disorders





Anxiety and Depression Association of America (2020) Using CSCI Criterion; Reichenberg et al., "Neuropsyche (2009) tic Affective Disc

SAMSHA - National Survey on Drug Use and Health (2017)
 Georges et al, "Traumatic Brain Injury", NCBI (2020)

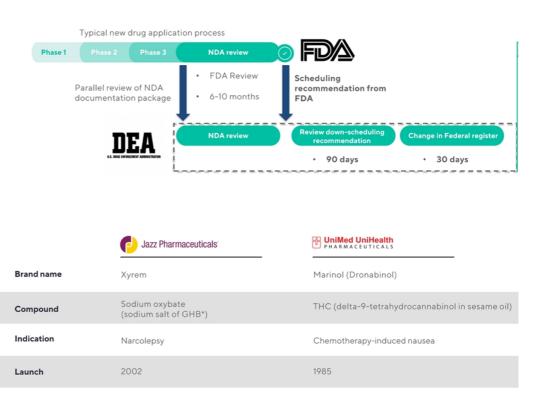
Robust Ability to Block Strategy: IP, regulatory and restrictive covenants create framework for excluding would-be competitors



Additional DEA process for schedule 1 process, takes approx. 4 months

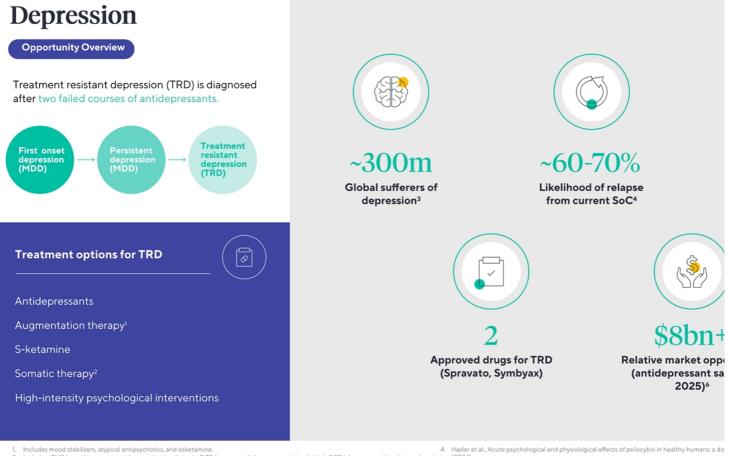
Successful precedents include GHB and THC

FDA evaluates NDAs and shares a recommendati DEA on down-scheduling of the particular compo



Source: FDA website * GHB = y-hydroxybutyric acid

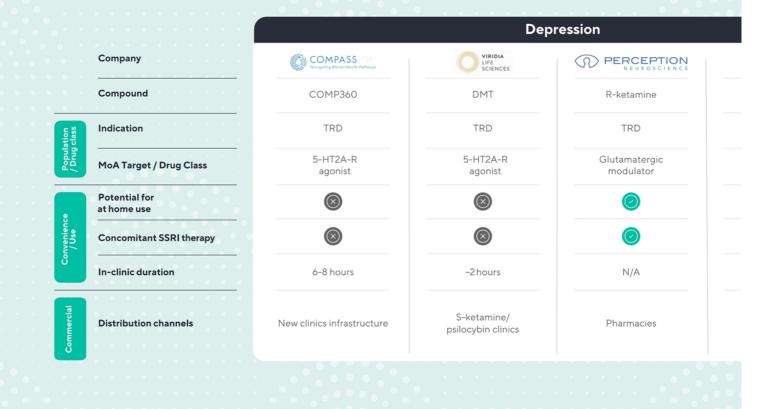
Depression



Includes mood stabilizers, atypical antipsychotics, and esketamine.
 Includes rTMS (repetitive transcranial magnetic stimulation), tDCS (transcranial direct current stimulation), ECT (electroconvulsive therapy), and
 DBS (deep-brain stimulation).
 World Health Organization (2020)

Haster et al., Actue paythological and physical activity (2004)
 Pandarakalam, 2018; Sussman et al., 2018; Gaynes et al., 2019
 Evaluate Pharma (as of 19.03.2021)

atai is targeting depression via multiple complementary appr



Cognitive Impairment Associated with Schizophrenia

Cognitive Impairment Associated with Schizophrenia (CIAS)

Opportunity Overview

Schizophrenia is a chronic, psychiatric disorder characterized by a heterogeneous combination of symptoms, including psychosis, social withdrawal, flat emotional affect and cognitive impairment. Nearly all schizophrenia patients are affected by CIAS, limiting both social and non-social cognitive functions.

To date, there are no

approved for CIAS

pharmacological treatments



Charlson et al., "Global Epidemiology and Burden of Schizophrenia: Findings From the Global Burden of Disease Study" (2016)
 Using CSCI Criterion; Reichenberg et al., "Neuropsychological Function and Dysfunction in Schizophrenia and Psychotic Affective Dise
 (2009)

Laursen, Nordentoft & Mortensen, "Excess early mortality in schizophrenia" (2014) Cloutier et al., "The Economic Burden of Schizophrenia in the United States in 2013" (2016) EvaluatePharma (as of 19.03.2021) 4.

PIPELINE SUMMARY

9 Clinical Stage Therapies in Development for CIAS

12 Pre-Clinical Stage Therapies in Development

17 Different Mechanisms of Action

RL-007 is well positioned, combining a history o signal of pro-cognitive effects in humans

Overview of Leading Clinical Stage Competitors for Cognitive Impairment Associated with Schizophrenia (CIAS)

Therapy	RL-007	SEP-363856	BI-425809	NBI-1065844	PF-03
Primary Indication	CIAS	Schizophrenia	CIAS	Schizophrenia	CIAS
MoA	GABA / nicotinic modulator	TAAR1agonist	GlyT1 in hibitor	DAAO inhibitor	GlyT1 ir
Current Phase	п	ш	П	П	П
Notes	Previously assessed in over 500 subjects for other indications with no serious adverse events observed	Breakthrough therapy designation, being developed for schizophrenia but recently demonstrated small improvements in cognitive measures	Completed Phase II with positive results	Failed to achieve primary endpoint of easing the negative symptoms of schizophrenia, but met secondary endpoints of cognitive improvement	Ongo

Note: GABA = Gamma aminobutyric acid; TAAR1 = trace amine-associated receptor; GlyT1 = Glycine Transporter 1,: AAO = D Amino Acid Oxidase; AMPA = α-amino-3-hydro: Sources: GlobalData, Evaluate Pharma (both as of 2021)

Substance Use Disorder



Substance Use Disorder (SUD)

Opportunity Overview

Substance use disorders are highly prevalent disorders characterized by an inability to control the use of a legal or illegal drug, medication or other psychoactive compound

 $\overline{\diamond}$



Treatment options for Opioid Use Disorder (OUD)

Synthetic opioid receptor agonists (methadone and buprenorphine)

Opioid antagonists (naltrexone and naloxone)

SAMSHA - National Survey on Drug Use and Health (2017)
 Wilson et al., "Drug and opioid-involved overdose deaths - United States, 2017-2018" (2020)

Murphy, "The cost of opioid use disorder and the value of aversion" (2020)
 Sinha, "New Findings on Biological Factors Predicting Addiction Relapse Vulnerability" (2011)

SUMMARY

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

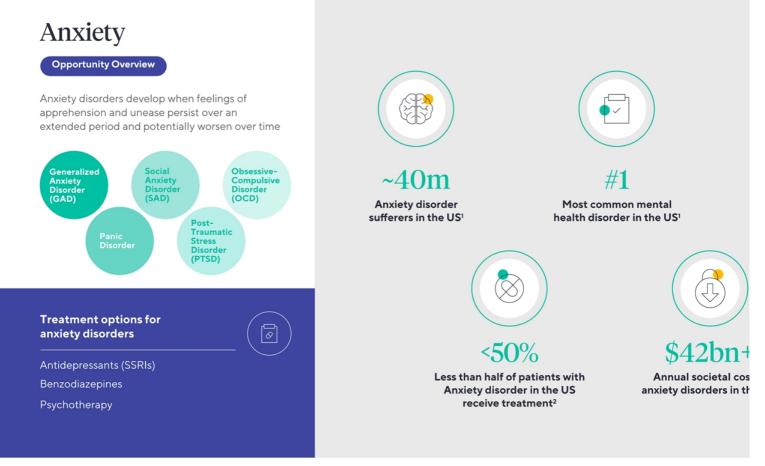
Current standard of care for OUD is medication therapy, requiring opioid substitutes that carry significant side effects

Current strategies for withdrawal support have high rates of relapse

DMX-1002 has the potential to become the first modifying treatment for OUD, minimizing risk (

	Therapy	Mechanism of Action	Single Therapeutic Episode	No Opi Effe
Disease Modification Single dose administered in monitored setting, providing both withdrawal support and oneiric experience with goal of complete remission	Ibogaine (DMX-1002)	Mixed MoA	Ø	¢
Withdrawal Support ² Therapies given for	Clonidine	Alpha-2 agonist	0	¢
symptomatic management during supervised withdrawal (detoxification)	Lofexidine	Alpha-2 agonist	Ø	C
Medication Assisted Therapy ¹	Methadone	Mu-agonist		
Daily therapy given in substitution of opioid in outpatient setting in attempt to wean off from opioid	Buprenorphine	Partial Mu-agonist		
	Naltrexone	Mu-antagonist		C
Source: GlobalData, Evaluate Pharma (both a 1. Current Standard of Care 2. Rarely used given high rates of relapse. U:		ry settings		





National Alliance on Mental Illness (2021)
 Anxiety and Depression Association of America (2021)
 DeVane et al., "Anxiety Disorders in the 21st Century: Status, Challenges, Opportunities, and Comorbidity With Depression", AJMC (2005)

SUMMARY

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

 (\bigcirc)

SSRI'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 can fill unmet need in Generalized An: (GAD) with rapid onset and favorable safety pro

Overview of Current Therapeutic Options for Generalized Anxiety Disorder

Class	Examples	Mechanism of action	Favorable safety profile	Rapid Onset	High Effica
Benzoxazine	deu-etifoxine (GRX-917) 2 gaba	GABA _A Channel and TSPO Potentiation		nticipated pharmac	ological profile
Selective Serotonin Reuptake Inhibitor (SSRI)	Escitalopram	SERTblockade	Ø		
Serotonin and Norepinephrine Reuptake Inhibitor (SNRI)	Venlafaxine	SERTAND NET blockade	\bigcirc		
Benzodiazepines	Alprazolam	GABA _A Potentiation			\bigcirc
Tricyclic Antidepressant (TCA)	Imipramine	Mixed MoA			
Azapirones	Buspirone	partial 5-HT1A agonist			
Gabapentinoid	Pregablin	VDCCinhibition	\bigcirc		

Note: GABA = Gamma aminobutyric acid, SERT = serotonin transporter, NET = serotonin transporter; MoA = Mechanism of Action; 5HTIa = serotonin 1A receptor; VDCC = vc mitochondrial translocator protein Source: GlobalData, Evaluate Pharma (both as of 19.03.2021) 1. DeMartini et al., "Generalized Anxiety Disorder" (2019)

Traumatic Brain Injury

Traumatic Brain Injury (TBI)

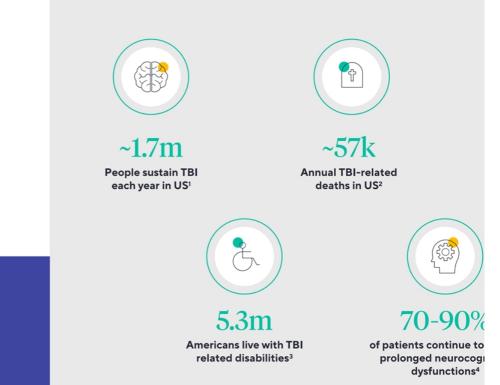
Opportunity Overview

Traumatic brain injury typically occurs when a sudden force impacts the head or body, resulting in damage and functional impairment of the brain. atai initially focuses on mild traumatic brain injuries.

To date, there are no

approved for Traumatic

pharmacological treatments



Brain Injury

Georges et al, "Traumatic Brain Injury", NCBI (2020)
 CDC, "Surveillance Report of Traumatic Brain Injury-related Emergency Department Visits, Hospitalizations, and Deaths" (2014)

Thurman et al., "Report to Congress: Traumatic Brain Injury in the United States", CDC (1999)
 Hoffer et al., "Repositioning drugs for traumatic brain injury", Journal of Biomedical Science (201

While **mental** health is the initial

focus, adjacent indications may allow for significant expansion

Anti-inflammatory

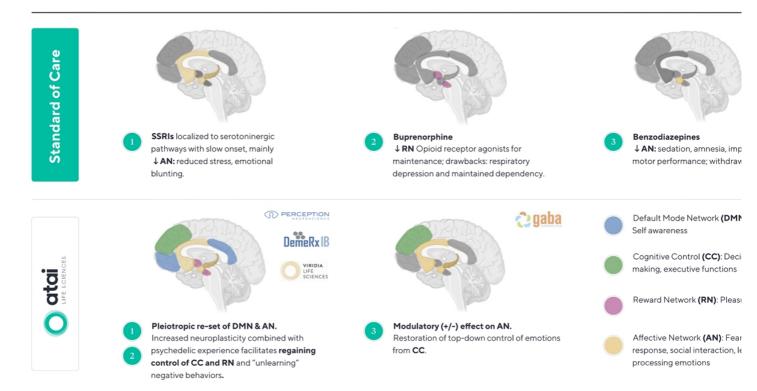
properties make psychedelics potentially interesting for a variety of therapeutic indications¹

Selected CNS indications of interest for psychedel therapeutics

Indication	Estimated 2026 Market Size (\$BN)	Academic Publications	
Eating disorders	7.4*	Positive effects of psychedelics on depression and eating disorder ²	
Obsessive-Compulsive Disorder	3.7*	Safety, tolerability, and efficacy of psilocybin in S disorder^5	
Attention Deficit Hyperactivity Disorder	3.3	Perceived outcomes of psychedelic microdosing as substance use disorders ³	
Autism Spectrum Disorders	1.4*	Lysergic acid diethylamide (LSD) promotes social k neurotransmission ⁴	
Multiple Sclerosis	21.1	Psychedelics and immunomodulation: novel appro	
Ischemic/ Hypoxic Brain Injury	20.0	The Endogenous Hallucinogen and Trace Amine N Potent Protective Effects against Hypoxia via Sigm iPSC-Derived Cortical Neurons and Microglia-Like	
Alzheimer's Disease	10.6	Psychedelics as a Treatment for Alzheimer's Diseas	
Migraine Headache	9.6	Exploratory Controlled Study of the Migraine-Sup	
Parkinson's Disease	2.4	Neuroprotective potential of Ayahuasca and untar- to Parkinson's disease ⁸	
Amyotrophic lateral sclerosis	1.0	Psychedelics as a novel approach to treating autoir	
Cluster Headache	0.3	Response of cluster headache to psilocybin and LS	
	80		

Company estimate based on worldwide incidence Source: Evaluate/Pharma for all indications with exception of Eating disorders, Autism spectrum disorder, and obsessive-compulsive disorder, for which there are no currently calculated based on estimated worldwide incidence and current yearly average cost of antidepressant therapy 1. Flanagan & Nichols, "Psychedelics as anti-inflammatory agents" (2018). 2. Spriggs et al., "Portive effects of psychedelics on depression and wellbeing scores in individuals re Lea et al., "Perceived outcomes of psychedelic microdosing as self-managed therapies for mental and substance use disorders" (2020). 4. De Gregorio et al., "Lysergic acid di behavior through mT ORCI in the excitatory neurotransmission" (2021). 5. Moreno et al., "Safety, totebalility, and therape the score of psychedelic sa and trace Amine NN-Dimethyltyptamine (DNT) Displays Potent Protective Effects of psilocybini n9 patients with obsessive-compulsive Indogenous Hallucinogen and Trace Amine NN-Dimethyltyptamine (DNT) Displays Potent Protective Effects against Hypoxia via Sigma- Receptor Activation in Human P and Microglia-Like Immune Cells" (2016). 7. Vann Jones & O'Kelly, "Psychedelics as a Treatement for Alzheimer's Disease Dementia" (2020). 8. Katchborian-Neto et al., "Mery untargeted metabolomics analyses: applicability to Parkinsor's disease" (2020). 9. Thompson et al., "Psychedelics as a novel approach to treating autoimmune conditions" (2 immunomodulation: novel approaches and Herapeutic opportunities" (2015). 11. Schindler et al., "Exploratory Controlled Study of the Migraine-Suppressing Effects of Psilocy "Response of cluster headache to psilocybin and LSD" (2006)

atai aims to develop novel disease-modifying strategies to restore m health by focusing on neuroplasticity



"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."

Florian Brand | CEO | atai life sciences