# medibio

## **INVESTOR DECK**

ASX: MEB OTCPINK: MDBIF



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# MEDIDIO LOOKING AT MENTAL HEALTH OBJECTIVELY

A mental health technology company pioneering the use of Artificial Intelligence, deep learning algorithms and neural network methodology to identify biological markers and patterns to aid in early detection and screening of mental health conditions.



## CORPORATE STRUCTURE

## ASX: MEB OTCPINK: MDBIF

Amounts shown in AUD

Market Cap as at 28/1/2021	\$13.5M
Share price as at 9 Dec 2020	0.9cent
Issued Shares	1,347B
Listed 12/2021 Options convertible at 3 cents	836M

Net Assets at June 2020

\$12.6M

## **TOP 5 SHAREHOLDERS**

9.8%	FIDELITY (HSBC CUSTODY NOMINEES (AUSTRALIA) LIMITED)
4.1%	ROOKHARP CAPITAL PTY LTD
<b>3.9</b> %	CLAUDE SOLITARIO Co-founder and Managing Director
2.2%	CITICORP NOMINEES PTY LTD
2.0%	UBS NOMINEES PTY LTD
TOP 20	
	36%

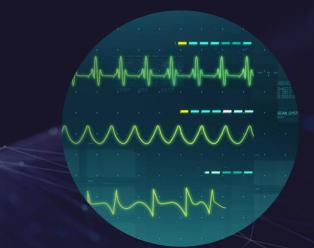
### CHANGING SUBJECTIVITY TO OBJECTIVITY





Current diagnostic tests rely on clinical interviews with subjective interpretation

## **OUR SOLUTION**



Identification of biomarkers and patterns based on the patient's own biological data to **objectively aid in the early detection and screening of mental health conditions** 

## WHY INVEST IN MEDIBIO?



## EARLY REVENUE POTENTIAL

Medibio's corporate mental well-being app gaining market traction: early revenue imminent.



## **INNOVATIVE TECHNOLOGY**

The potential to be the world's first objective diagnostic aid of a largely intangible health epidemic: depression



## **TARGETING A LARGE MARKET**

Depression is estimated to cost US economy US\$210 billion a year with the cost in Australia estimated at \$12.6 billion annually



## SUPERIOR VALUE PROPOSITION

Objective, data-driven biological markers and patterns identified during sleep period rather than subjective assessment.

# $\sum$

Breakthrough Technology Designation FDA 510K CE Mark De Novo



## PATENT PROTECTED TECHNOLOGY

**REGULATORY APPROVALS UNDERWAY** 

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## **BUSINESS UNITS**

Significant revenue opportunities in each market



REGULATED

NON-REGULATED



Sleep Staging



Depressive Burden **Consumer App** (in development)



ilumen

Corporate Health (inmarket) **MEB-001** is a software medical device that consists of 3 main components:

1 The sleep staging algorithms; overlaid by

Resting heart rate and heart rate variability algorithms, that will lead to:

**3** The Depressive Burden Analysis

Our team in Minneapolis is currently undertaking a clinical trial known as the

"Sleep Analysis of Depressive Burden"

The purpose of the trial is to clinically validate MEB-001 as a medical device

MEB-001 aims to provide the clinician with an objective, data-driven approach, to assist in the diagnosis of depression, based on the patient's own biological data.

**MEBS**leep

Granted CE Mark in January 2021 enabling sale of MEBSleep in the European Economic Community

The company is currently in detailed discussions with the FDA regarding its 510(k) application that will enable commercialisation in the USA.



MEBsleep is able to identify the sleep stages in 2 minutes what would normally take a clinician, anywhere between 1 and 2 hours

It is this characteristic that inspired our regulatory team to apply for a 510(k) and CE Mark clearance for MEBsleep, opening up the possibility of generating early revenue



In January 2021 Medibio was granted CE Mark, which enables the company to commercialise in the European Economic Community.

### CLINICAL TRIAL AGREEMENT WITH MEDBRIDGE HEALTHCARE LLC IN THE USA

The closure of sleep clinics in Minneapolis due to COVID-19 lockdown, has slowed our depressive burden trial.

In order to increase recruitment, Medibio signed a Clinical Trial Agreement with MedBridge Healthcare LLC in the USA.

MedBridge is the leading provider of sleep laboratory management services in the United States, operating over 130 sleep disorder diagnostic centres.

MedBridge is a valued partner for trial patient recruitment, and importantly, will be a source of market intelligence as we progress through the trial.









## Depressive Burden Platform MEB-001

SaaS model based on a price-per-report

## **Corporate Health**

Enterprise license based on a corporation's total workforce



## **Consumer App**

Free download + pay per functionality/ subscription model

### NON-REGULATED PATH (CORPORATE HEALTH)





An **early intervention** software program providing objective data to manage and improve **workforce mental health.** 

**ilumen** provides actionable and valuable insights.



We *close the loop* for employers so they may measure and manage their people's mental well-being

#### **BENEFITS OF ILUMEN™**



## FOR EMPLOYEES

For employees, ilumen<sup>™</sup> provides:

- The ability to track biometrics over time with a wearable device
- Access to mental well-being assessments via mobile or website
- Tools to learn about strategies to better cope with managing life at work, personal development plans, stress, and strain
- Ability to measure, monitor, and improve overall well-being

Ilumen provides data-driven feedback to help employees take an active role in their own mental well-being by providing them with the tools to understand the difference between a bad mood and a potentially serious health threat.

"Thank you for your concern, following on from this I have booked in some time with the Employee Assistance Program." - Ilumen<sup>™</sup> user

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I was worried about

situations in which I

a fool of myself

might panic and make



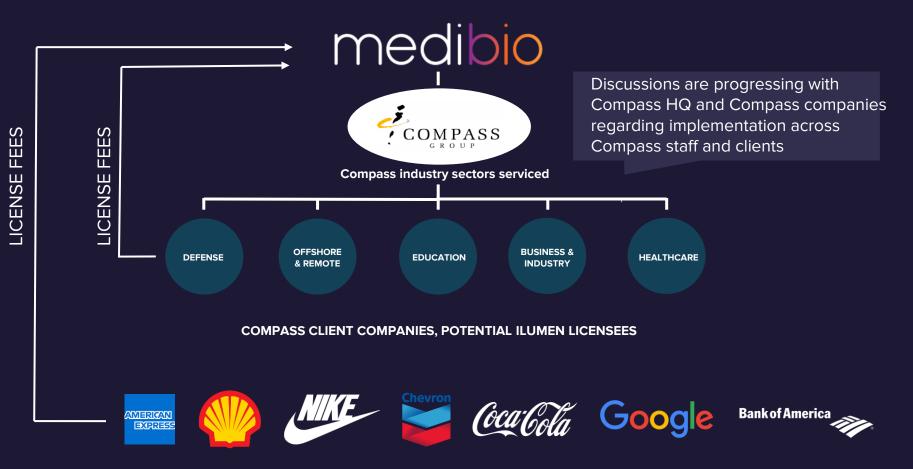
## FOR EMPLOYERS

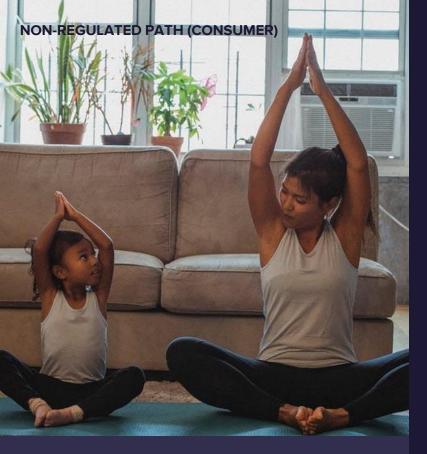
For employers, ilumen provides:

- Monitor the impact of mental health programs implemented
- Access real-time <u>de-identified aggregate</u> dashboards of employee well-being
- Gain a dynamic understanding of their workforce
- what the workforce needs and how to help
- Optimise workforce performance, minimise risk, and offer better care for employees
- Make informed decisions based on workforce data
- Provide metrics on workforce capability to

#### clients, suppliers, insurers, etc.

Ilumen<sup>™</sup> helps employers to build the strength of their workforce by bringing science, not stigma, to the conversation around mental well-being and improving the lives of all that work to make organisations a success.





Full spectrum mental wellness with three components to help measure, track, and manage:

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## PSYC In addi Ievel o

#### **BIOMETRICS ASSESSMENT**

Biometrics are at the core of Medibio's mental health perspective. The consumer product translates this 'language of the body' in three ways: Cardiac (HR), Activity, and Sleep along with an Overall Stress score. The Biometrics timeline allows users to track and identify potential areas of concern, recognize patterns, and identify where stress is showing up.

#### **PSYCHOMETRIC ASSESSMENT**

In addition to objective measurement, an individual's level of *perceived stress* is key to understanding the full stress landscape. The Psychometric Assessment is a short series of questions to determine the level of stress users think they are experiencing. The application invites users to participate in this 'self-check' every two weeks.

#### **GOALS & ACTIVITIES**

Finally, the goals and activities section is filled with tools for self-reflection and actionable behavior modification to address the data feedback users receive from other areas of the application. *Setting goals, journaling, drawing,* or participating in a quick *breathing exercise* are some of the resources available to help lower distress, create eustress, and encourage new habits.



### THE GLOBAL APP MARKET INDUSTRY & GROWTH METRICS - POST COVID-19

**33**B

new app downloads globally in Q3

**\$28**B

spent on apps (up 20%)

**180**B

hours each month of July, August, September 2020 using apps (up 25%)

App Annie https://content-new.appannie.com/en/insights/marketdata/mobile-app-usage-surged-in-q3-2020/ **\$73**B

invested in mobile companies, an increase of 27% from 2019



The mobile data and analytics firm had earlier suggested that the COVID-19 pandemic would have a long-lasting impact on consumer mobile behavior, as it advanced mobile by at least two to three years ahead of pace. This continued to be true in the third quarter, with all major mobile trends seeing increases. - **Tech Crunch**  We look forward with a great deal of confidence to achieving a number of significant milestones during 2021 calendar year

Securing ilumen licenses for Compass companies and Compass client companies globally		Securing ilumen licenses in Australia as borders re-open	Commercialising MEBsleep i the EEC following CE Mark approval in January 2021	n
Commercial launch of our Consumer App in US	trial for MEB-00	eting the Depressive Burden the De Novo application for D1, for the world's first ve test for depression		

### **BOARD OF DIRECTORS**



CLAUDE SOLITARIO Managing Director Founder



PETER CARLISLE Non - Executive Director Managing Director, Olympics & Action Sports, Octagon Worldwide



MELANIE LEYDIN Director & Joint Company Secretary CA, FGIA



MATTHEW WATKINS Joint Company Secretary B. Bus. (Acc) Swinburne, CA

## GROWTH & ADVOCACY ADVISORY BOARD



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MICHAEL PHELPS Mental Health Advocate



**PATRICK KENNEDY** Former US Congressman Founder, Kennedy Forum **EXECUTIVE TEAM** 

## medibio



CLAUDE SOLITARIO Managing Director Founder



ARCHIE DEFILLO Chief Medical Officer



MASSIMILIANO GRASSI Head of Artificial Intelligence



DR GIAMPAOLO PERNA Clinical Consultant



JENNIFER SOLITARIO Senior Vice President Corporate Health



SARAH MELLEN Creative Director



ERNIE TURSICH Principal Quality and Regulatory Affairs



KELLY TRUPKOVIC Partnerships and Marketing Manager APAC



RENEE STANTON-HORNE Operations and Accounts Manager

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## CLAUDE SOLITARIO Managing Director

**Melbourne** Level 4, 100 Albert Road South Melbourne VIC 3205

United States HQ 8696 Eagle Creek Circle Savage, MN 55378