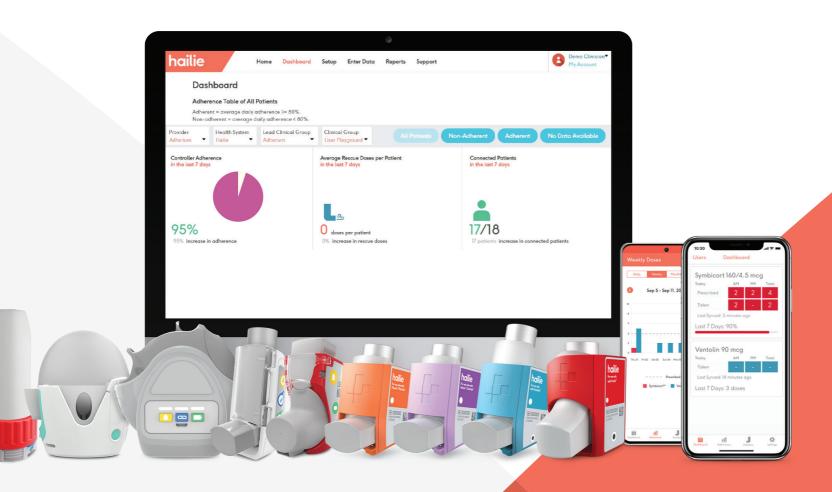
Establishing leadership in the rapidly accelerating respiratory remote digital monitoring environment MARCH 2021

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Establishing leadership in the rapidly accelerating respiratory remote digital monitoring environment

- Rapid evolution of telehealth & remote digital monitoring, accelerated by COVID and new reimbursement programs
- Well placed with strategy development beyond adherence alone, toward multi-sensor respiratory management ecosystem
- Potential for software platform leverage with established data portal capability
- Good progress made with core data portal refresh & development of physiologically enabled adherence monitoring devices
- Progress being made with existing commercial partners & >10 ongoing new partner discussions advancing
- Fundraise initiated to progress business toward breakeven target

\$15m fundraise to progress beyond 2021 commercial evaluations

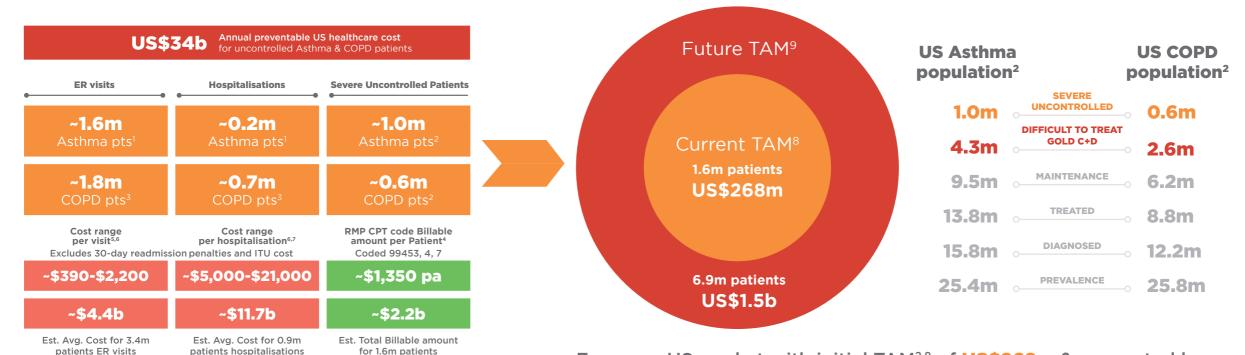


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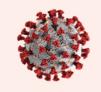
opportunity

Unmet needs of respiratory patients presents huge opportunity Adherium





Focus on US market with initial TAM^{2,8} of US\$268m & supported by our investment program expands to the larger US\$1.5b opportunity^{2,9}



Significant emerging opportunity in diagnosis, assessment & management of chronic respiratory impact of post-COVID-19 syndrome, or "long COVID", relevant for remote digital sensor management

1 https://www.cdc.gov/asthma/most_recent_national_asthma_data.htm, Asthma Attacks

- 2 Patient Epidemiology sources; AstraZeneca Epidemiology data
- 3 ES Ford Hospital discharges, readmissions, and ED visits for COPD or bronchiectasis among US adults: findings from the Nationwide Inpatient Sample 2001-2012 and Nationwide Emergency Department Sample 2006-2011 Chest, 147 (2015), pp. 989-998
- 4 https://www.cms.gov/apps/physician-fee-schedule/search/search-criteria.aspx
- 5 American Health & Drugs Benefits "Inpatient Treatment of Asthma Is Costly: \$5000 per Hospitalization Calls for Proper Office Management", 14/02/2019
- 6 Wang T, Srebotnjak T, Brownwell J, Hsia RY. Emergency Department Charges for Asthma-related Outpatient Visits by Insurance Status. J Health Care Poor Underserved. 2014 February ; 25(1): 396-405
- 7 Dalal AA, Shah M, D'Souza AO, Rane P. Costs of COPD exacerbations in the emergency department and inpatient setting. Respir Med. 2011;105(3):454–460
- 8 Current Target Accessible Market (TAM) based on current coverage of 56% of inhaler types sold & 8 drug presentations. TAM represents both device & expected annual data charges
- 9 Future TAM based on current coverage of 80% of inhaler types sold & 18 drug presentations. TAM represents both device & expected annual data charges



opportunity

Telehealth & remote digital management of patients transformed in last 24 months due to introduction of reimbursement codes & impact of COVID pandemic

COVID has changed expectations on care delivery

- Estimates of pre-pandemic awareness of telehealth benefits has risen from 24% to 80%³
- Estimates over 1/3 of ambulatory visits could be done remotely³
- Telehealth³ offers possibility for over 50 million Americans in remote areas access to routine healthcare
- 11% consumers using telehealth in 2019²
- 76% consumers indicated they were highly or moderately likely to use telehealth going forwards²
- 50-175x reported increase in health systems & practices reported use of telehealth²
- Estimated \$250b market size²

Reimbursement availability now a catalyst for adoption

- Introduction of Medicare reimbursement for Remote Patient Monitoring opened the professional market by creating clear financial incentives & a path to payment for physicians
- This was a 'watershed' moment; Medicare & Medicaid cover 1/3 of the patient universe with insurers covering remaining 2/3 typically following Medicare / Medicaid lead in coverage & payment

"...in April 2020, nearly half (43.5%) of Medicare primary care visits were provided through telehealth compared with less than one percent (0.1%) in February before the public health emergency [Covid-19]"¹

^{3.} Lisa Gill JPM insights commentary https://www.jpmorgan.com/solutions/cib/insights/health-care-conference#insights



^{1.} https://www.hhs.gov/about/news/2020/07/28/hhs-issues-new-report-highlighting-dramatic-trends-in-medicare-beneficiary-telehealth-utilization-amid-covid-19.html

^{2.} https://www.mckinsey.com/industries/healthcare-systems-and-services/our-insights/telehealth-a-quarter-trillion-dollar-post-covid-19-reality#



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Telehealth & remote digital management of patients transformed in last 24 months due to introduction of reimbursement codes & the impact of COVID-19 pandemic

2021 Payment Rates

99091

Physiological Data (every

30 days)



Value US\$

(non-facility)

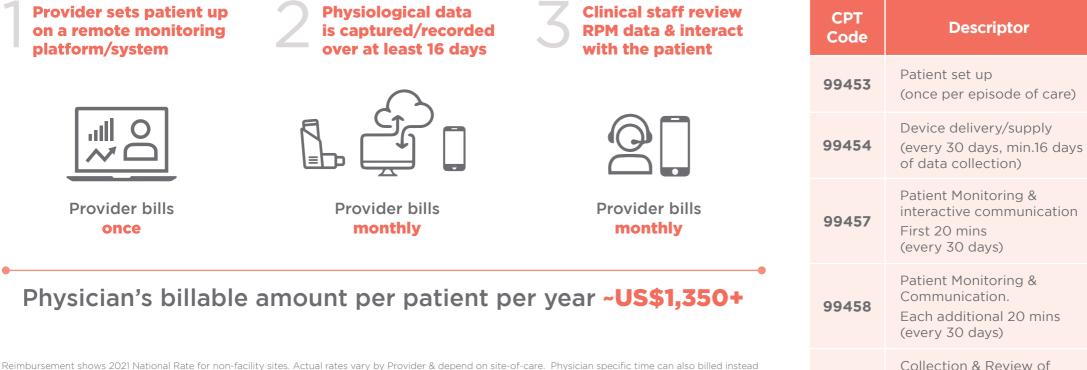
\$18.77

\$62.44

\$51.61

\$42.22

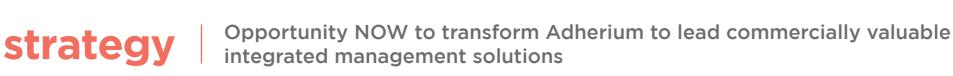
\$59.19

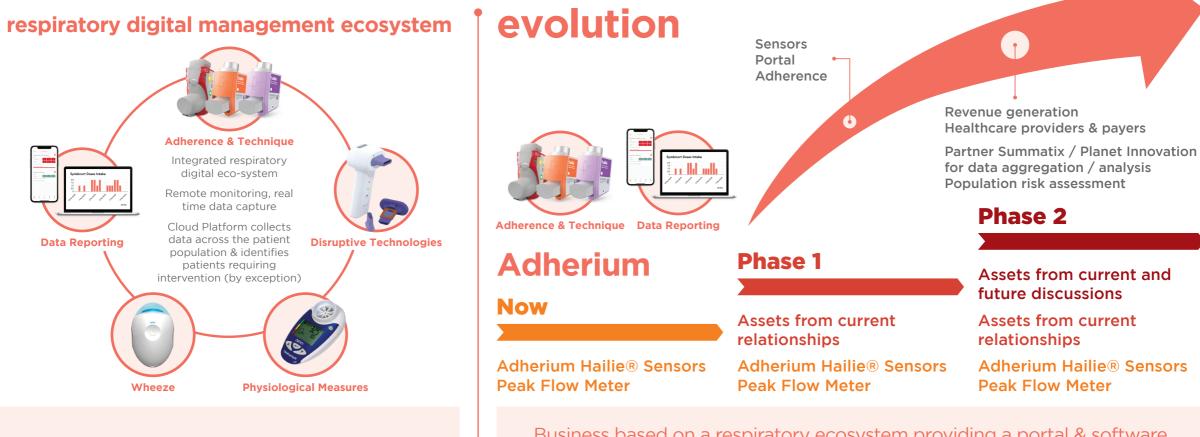


of 99457, for up to 30 mins of time using 99091. Separate codes exist for remote monitoring of blood pressure & for mental health services.

SOURCE: CMS Physician Fee Schedule, https://www.cms.gov/apps/physician-fee-schedule/search/search-criteria.aspx (accessed Jan 5 2021); CMS Final Rule CY21 (Federal Register)

5





Business with range of digital inhaler sensors & portal platform for adherence monitoring

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Business based on a respiratory ecosystem providing a portal & software platform with architecture for the integration of proprietary & 3rd party digital sensors, connected devices & data management systems

6

Positive progression with existing partners & product portfolio

Existing Partners

monaghan

- Phase 1 training completed
- Pilot Program of evaluations in specialist Asthma centers initiated
- Pilot read outs expected Q2 CY2021

hge 🥕 health

- Initial workflow assessment complete
- Modifications made to patient materials & app in response to feedback
- Rescue inhaler patient population data collection ongoing

AstraZeneca

- Primary activity from clinical trials & development contracts
- Four clinical studies underway using Adherium sensors
- Development projects upgrading patient user experience initiated

Current Portfolio

Sensors

- Physiologically enabled sensor development progressing well (plan increases asthma/COPD device market coverage from 56% to 80% by US medication volume by H1 CY2022)
- Physiological measure proof of concept transferred to commercial product design
- Submission of first 510(k) of physiological enabled sensor expected Q1 CY 2021
- Finalist in "Australia by Design" Innovation Award TV series

Software

- Migration of platform to Microsoft Azure[®] completed to deliver capacity & capability for scale-up
- Peak Flow meter integration expected early Q2 CY2021 as first step in ecosystem build
- App & portal upgrades enhanced user experience & data presentation for patients & physicians
- System architecture design allows integration of third party devices into the platform

HGE Health & Monaghan Medical Corporation open up the professional market via immediate distribution capabilities into hospitals, specialist clinics & disease management providers

	Right time	Channel Partner	Existing Revenue Models	Planned Future Revenue Model with Physiological Sensors
Legacy Channels Current Channels	Specialist Distribution (Hospitals & Clinics)	s monaghan	Sensor sales at unit transfer price	Sensor sales at unit transfer price Software license for platform access Data licence fee
	Disease Management Providers	hge 🥂 health	Per patient per sensor per month fee	Per patient per sensor per month fee Share of remote patient monitoring service fee to providers Share of incremental savings from Risk Share contracts
	Direct Sales	adherium	Sensor sales Clinical trial supplies & support	Sensor sales Clinical trial supplies & support Software licence for platform access
	Pharma	AstraZeneca	Sensor sales at unit transfer price Development contracts Clinical trial supplies & support	Sensor sales at unit price Development contracts Clinical trial supplies & support Data licence fee

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Rapid acceleration in telehealth & digital monitoring reflected in increased partnering opportunities strengthening revenue stream potential with >10 ongoing commercial partnering engagements currently progressing at C suite level

Partner Type	Disease/Population Management Partners	CDMO's	Pharmaceutical Companies
Rationale	Connected Health Solution PERS & RPM Employer / Commercial Payers Plans Integrated Managed Care Consortia Telemedicine / Virtual Care Providers On-Line Pharmacies	Pharma / Biotech Medical Devices Inhaled Pharmaceuticals	Inhaled Pharmaceuticals
Product Range	Series of ongoing discussions in North America to provide Hailie® digital sensors & portal reporting to enhance existing care provision & remote patient monitoring	Potential to integrate Hailie® digital sensor technology into CDMO products & leverage Adherium portal with CDMO customers	Potential to provide complementary digital sensors alongside sponsor products & leverage Adherium portal
Revenue Model	Adherium Sensor sales Software licence fee (SaaS & PaaS) Data licence fee		



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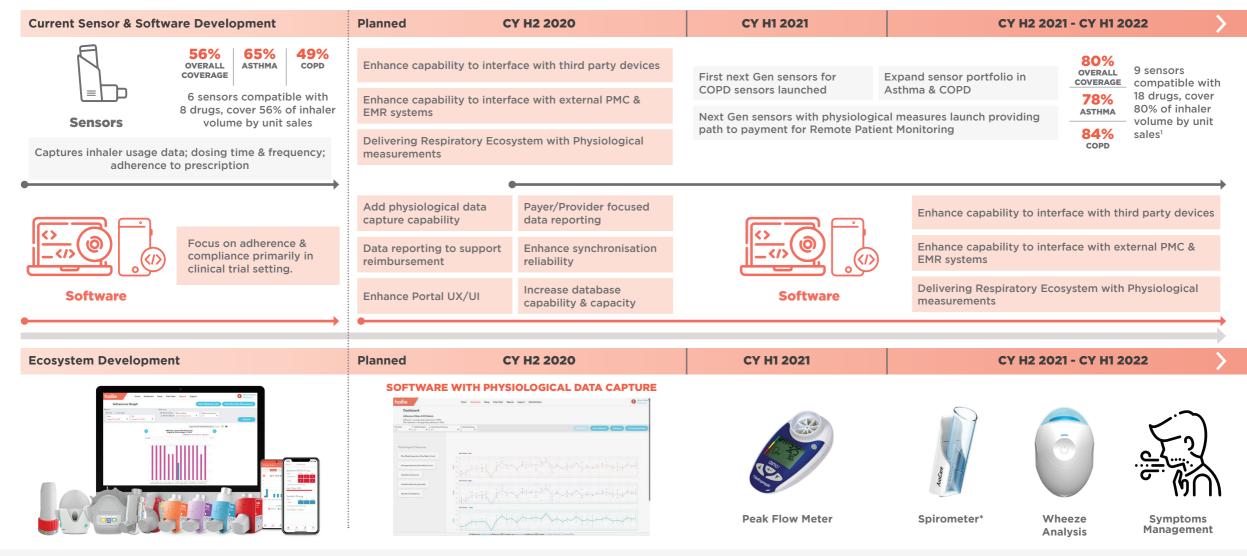
Ecosystem evolution enhances overall product proposition to end clinical providers & payors with multiple longitudinal data points, leverages portal platform, & extends revenue stream potential for individual & combination of assets beyond adherence alone

Ecosystem Build	Initial ecosystem of Adherium sensors plus 3rd Party Devices & Apps			s & Apps	Second Phase under investigation	
Product	Adherium Sensors	Peak Flow Meter	Spirometer	Wheeze Analysis	Capnography COPD	COPD exacerbations predicator
Rationale	Monitors patient adherence (frequency, date & time);inhaler technique; physiological measures*	Measures maximum speed of expiration, assesses ability to breath air out as an assessment of airway obstruction. Primarily used in asthma. Complementary diagnostic assessment of control with adherence. Portal platform leverage	Measures lung function. Volume of air inspired & expired. Primarily for COPD patients Complementary diagnostic assessment of disease control with adherence Portal platform leverage	Measures wheeze a symptom of airway obstruction in asthma. Complementary diagnostic in conjunction with other parameters such as adherence, peak flow & lung function	Extends offering in COPD & supports predictive analysis of exacerbations. Application in asthma under investigation	Extends offering in COPD & supports predictive analysis of exacerbations
Product Range	6 sensors available today with 56% coverage, build to 9 with physiological data capture giving 80% coverage in H1 CY2022	Peak flow sensor integration progressing. Commercially available with portal integration from H1 CY2021	Digital device integration assessment progressing. Target commercially available with portal integration from H2 CY2021	Initial pharmacy pilot & clinical trial evaluation being initiated in Australia	Point of care device with physician data reporting	App with integration to peak flow data & biomarker data
Revenue Model			Adherium Sensor sales Software licence fee (SaaS Data licence fee	& PaaS)		

Significant potential for further ecosystem sensor device integration including digitised spacers, nebulizers, OPEP mucus secretion devices

*Physiological Measures available on second generation devices Q3/4 CY 2021

strategy Opportunity NOW to transform Adherium to lead commercially valuable integrated management solutions in rapidly accelerating respiratory remote digital monitoring environment



adherium 1. Based on US unit volume sales 2019 IQVIA

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Business Evolution Road Map

CY Q3 2020 – Q2 2021 Initial partner model establishment/proof of concept

- Validate channel partners
- Test operational model
- Validate business model
- Limited initial sensor volumes & orders
- Appointment of key leadership roles in US & CTO in Australia
- Contracting new industry partners
- Establish ecosystem framework & initial sensor integration assessment

CY Q2 2021 – Q4 2021 Partner scale-up in US with

- Scale-up of HGE & Monaghap: initi
- Scale-up of HGE & Monaghan; initiate industry partner activity
- Progressive revenue growth
- Increase penetration in COPD
- First wave sensors with physiological measures
- Complete market launch of full range of physiological enabled sensor
- Limited highly selective ex-US activity
- Pilot ecosystem build with early roll out of 3 new integrated sensors



- Accelerated US commercialisation with full portfolio
- Potential expanded scale-up ex-US
- Assess next wave device development e.g. nebulisers/integrated sensors
- Potential multi-provider data integration leverage & monetisation
- Scale ecosystem with further new sensors with progressive revenue growth

\$15m fundraise to progress beyond 2021 commercial evaluations



use of funds

Structure

- Shares on issue: 679,596,011
- Available capacity:
 - LR 7.1 15% 101,939,401
 - ♦ LR 7.1A 10% 67,959,601
- Commitments from existing shareholders
- Agreement in principle for conversion of Secured Convertible Notes
- Pricing to be confirmed

Use of Funds

Total	\$15.0m
Offer expenses	\$0.7m
General & Administration	\$1.2m
Sales & Marketing	\$4.0m
Research & Development	\$9.1m

team

New highly qualified management in place



James Ward-Lilley Chairman

- Extensive experience in operational & executive leadership roles in pharmaceutical & medical devices industry
- >28 years in global roles at AstraZeneca, successfully leading their Respiratory & AutoImmune Global Franchise
- Then joined Vectura PLC, the inhaled respiratory formulation & device specialists, as Chief Executive
- During time at both AstraZeneca & at Vectura, worked closely with both Adherium & Propeller Health

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Mike Motion Executive Director & CEO

- >35 years experience in medical devices & pharmaceuticals
- 15 years **Baxter Healthcare** in international commercial leadership roles
- Joined **Biocompatible**'s, 2005, led commercialisation of its interventional oncology portfolio, setting up a direct US sales force & global distributor network
- Grew business to ~US\$40m; acquired by **BTG**, 2011 for US\$283m
- Led BTG Oncology, Digital & Vein franchises until acquired by Boston Scientific 2019
- Joined **Adherium**, November 2019: key activities re-financing, refresh strategy, new business model, technology development plan



Anne Bell Chief Financial Officer

- Qualified as a Chartered Accountant in 1984 with Arthur Young before joining Arthur Andersen & becoming a partner in the Business Consulting practice
- Joined **Colonial** (subsequently acquired by Commonwealth Bank of Australia) in 1996
- Global roles with **AstraZeneca** 2003-2008
- CFO for Invida, which was bought by Menarini in 2011 – remained at Menarini until 2018



Geoff Feakes Chief Technical Officer

- >25 years of information technology governance & leadership, solution innovation & realisation across Australia & Internationally including Europe, USA & Asia
- Executive positions in the Acute healthcare sector in Australia & 10 years with **Tunstall Healthcare**, both globally & Australasia
- Extensive experience with Remote Patient & Chronic Disease management platforms & solutions, including development & market release across multiple geographies
- Medical Technology Association of Australia (MTAA) Industry and Connected Healthcare Advisory Group member



Jane Lapon Head of Pricing & Reimbursement

- >25 years international experience in pricing & reimbursement in medical devices
- Held executive positions with **Bristol**-Myers Squibb, BTG & Boston Scientific
- Exemplary track record ensuring physicians get paid by public & private payers for company products globally
- Achievements include securing reimbursement for:
- Failing pulmonology device in Germany, reversing business trajectory
- Flagship device in France, securing
 ~€60m/year in public funding, resulting in exponential sales in a previously untapped market

Disclaimer and forward looking statement

The material contained herein is of a general nature & has only been prepared as a presentation aid. This presentation does NOT contain all of the information that may be required for evaluating Adherium Limited ACN 605 352 510 (Adherium or the Company), its assets, prospects or potential opportunities.

This presentation may contain budget information, forecasts & forward-looking statements in respect of which there is NO guarantee of future performance & which of themselves involve significant risks (both known & unknown). Actual results & future outcomes will in all likelihood differ from those outlined herein.

Forward-looking statements are statements that are not historical facts. Words such as "expect(s)", "feel(s)", "believe(s)", "will", "may", "anticipate(s)" & similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to, statements regarding market size, future results, regulatory approvals, production targets, sales, staffing levels etc. All of such statements are subject to risks & uncertainties, many of which are difficult to predict & generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information & statements. These risks & uncertainties include, but are not limited to: (i) the possible delays in & the outcome of product development, (ii) risks relating to possible partnering or other like arrangements, (iii) the potential for delays in regulatory approvals, (iv) the unknown uptake & market penetration of any potential

commercial products & (vi) other risks & uncertainties related to the Company's prospects, assets / products & business strategy. This is particularly the case with companies such as Adherium which operate in the field of developing & commercialising medical devices & related services. You are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, & we do not undertake any obligation to revise & disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

Additionally there are a number of factors, both specific to Adherium & of a general nature, which may affect the future performance of Adherium. There is no guarantee that Adherium will achieve its stated objectives/milestones, that any of its forecasts will be met or that forward-looking statements will be realised.

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appendices

Construction of the second



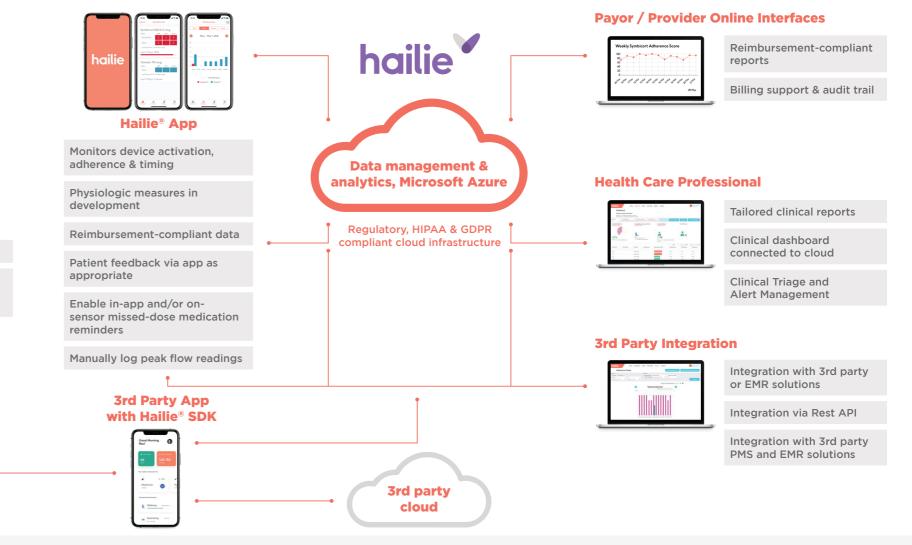
product

Robust and Secure Microsoft Azure Cloud ecosystem enabling end-to-end management of Respiratory Care. From Sensors on Inhaled devices through to a Digital Connected Dashboard. Delivering Physiological measures and medication usage.



Adherium Sensors

Sensors attach to inhaled medication device	Connect via Bluetooth	
Captures medication use & physiologic data	Provide missed-dose audio-visual medication reminders	
	Ť	





product The Hailie[®] Solution: Sensors

Hailie[®] Sensor features*

- Audio / visual reminders on sensor or app
- Compatible with spacers
- Inhaler presence detection and identification
- Cap on, cap off
- Shake detector / duration / orientation sensor
- Pill crushing rotation detection, number & direction
- Activation coordination timing **
- Physiological measures, inspired air flow, duration **
- Battery status



Rechargeable: Lasts a minimum of 3 months between recharging 2-year shelf life, 2-year service life



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Non-Rechargeable: Lasts a minimum of 12 months between recharging 3-year shelf life, 1-year service life



Not all features every sensor ** Physiological Measures available on second generation devices Q3/4 CY 2021

product

The Hailie[®] Solution Sensor Range



hailie for Ventolin[™] HFA pMDI

hailie for ProAir™ HFA pMDI



hailie for Advair™ HFA pMDI





hailie for Flovent™ HFA pMDI









hailie for Advair™ Diskus™ / Flovent™ Diskus™





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product The Hailie® Solution: Software

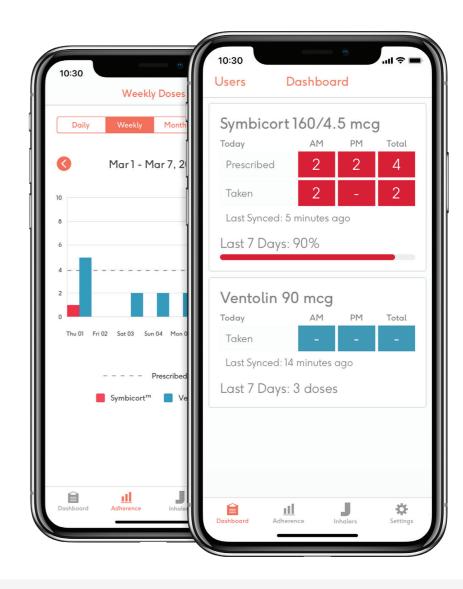
Hailie[®] App features

The **Hailie**[®] **App** for patients to track their adherence & medication use & capture clinical data which is sent in real time via our secure cloud to the physician portal

Hailie[®] App is available in 2 formats:

- the **Hailie**[®] **Lite App** for "diagnostics"; passive monitoring to establish baseline adherence; data download at clinic visits or monitoring during clinical trials
- the **Hailie® Full App** provides full visibility of medication usage plus supporting features to help them manage their asthma/ COPD. i.e. alarms, alerts, peak flow capture
- Our development roadmap allows integration with other 3rd party devices e.g. spirometry, Apple Health Kit.

Hailie App is available for iOS & Android.



product The Hailie[®] Solution: Software

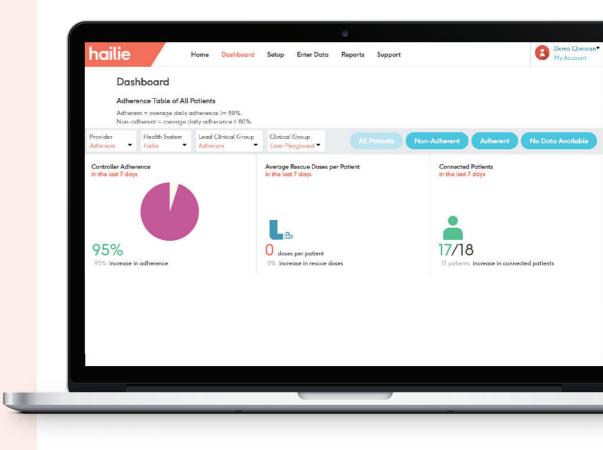
Hailie® Portal features

The Hailie[®] Portal - a secure Cloud-based remote patient monitoring platform enabling remote care and management of Respiratory patients.

Architected to enable Health Care Professionals to monitor & manage patient adherence & medication compliance, whilst utilizing real-time physiological data & supporting remote patient monitoring reimbursement practices in the US aligned with the Medicare Physician Fee (MPS) Schedule.

Hailie[®] Portal key features include:

- Secure Cloud platform
- Integration with Adherium's Rescue & Preventor Asthma & COPD Sensors
- Physiological data & Medication compliance reporting
- Real-time Adherence reporting
- Patient management
- Integration with Adherium SDK & Rest API
- Framework for future Data Management & Analytical services.



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