### - C O N N E C T I O N·

**Full Year Results Presentation FY2023** For the year ended 31 March 2023



•2023•

#### Disclaimer

The information in this presentation is for general purposes only and should be read in conjunction with Fisher & Paykel Healthcare Corporation Limited's (FPH) Annual Report 2023 and accompanying market releases. Nothing in this presentation should be construed as an invitation for subscription, purchase or recommendation of securities in FPH.

This presentation includes forward-looking statements about the financial condition, operations and performance of FPH and its subsidiaries. These statements are based on current expectations and assumptions regarding FPH's business and performance, the economy and other circumstances. As with any projection or forecast, the forward-looking statements in this presentation are inherently uncertain and susceptible to changes in circumstances. FPH's actual results may differ materially from those expressed or implied by those forward-looking statements.

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### Full year business highlights



the lives of ~20 million patients around the world



regulatory clearance in the United States for Airvo™ 3



our online Education Hub for clinicians in the United States



development of our new manufacturing facility in China



Overseas Investment Office approval for the purchase of land in Karaka for our second New Zealand campus



expansion of our Anesthesia sales team to grow awareness of the benefit to patients



### Key second half financial results

#### H2 FY23 (6 months to 31 March 2023)

	% of Revenue	NZ\$M	△PCP <sup>^</sup>	<b>△CC</b> *
Operating revenue	100%	890.5	14%	12%
Hospital operating revenue	66%	584.8	9%	7%
Homecare operating revenue	34%	303.9	25%	22%
Hospital new applications consumables revenue			14%	13%
OSA masks revenue			28%	24%
Gross margin / Gross profit	59%	525.2	-307bps	-220bps
SG&A	26%	229.6	13%	8%
R&D	10%	90.1	15%	15%
Total operating expenses	36%	319.7	13%	10%
Operating profit	23%	205.5	1%	4%
Profit after tax	17%	154.4	0%	-3%

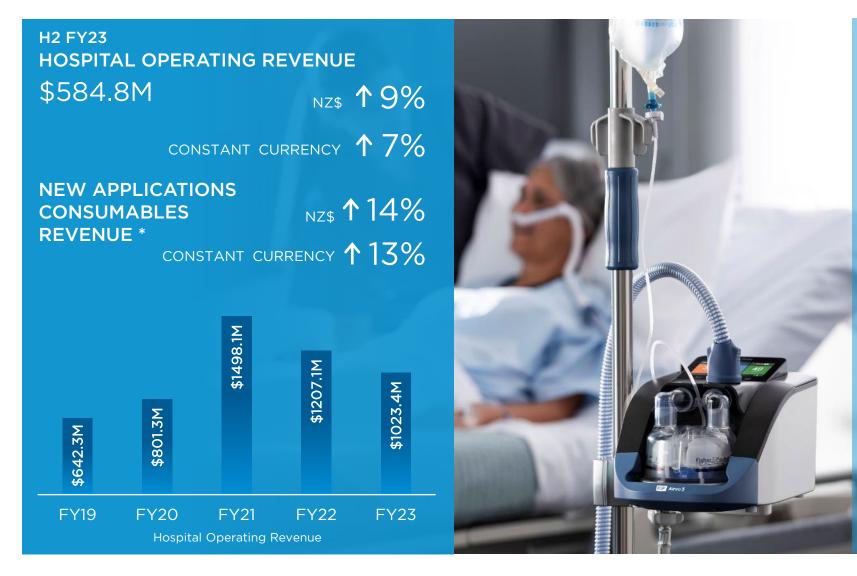


### Hospital product group





### Hospital product group



- Hospital consumables moving to more stable ordering patterns
- New applications consumables\* made up 72% of H2 FY23 Hospital consumables revenue, 71% in H2 FY22
- FY23 Hospital hardware revenue remained above pre-COVID levels, -53% on FY22 in constant currency



### Homecare product group



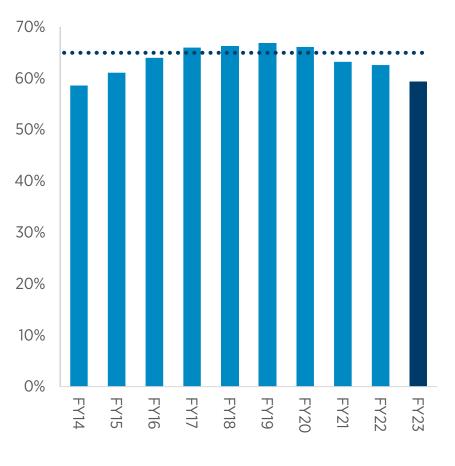
HEALTHCARE

### Homecare product group





### Gross Margin



#### **GROSS MARGIN**

••• Long Term Gross Margin target

- Gross margin for the full year:
  - decreased by 325 bps to 59.4%
  - decreased by 369 bps in constant currency
- Continued elevated freight costs impacted constant currency gross margin by approximately 230 basis points compared to pre-COVID-19 rates for the full year, a similar impact to the prior year.
- Manufacturing inefficiencies increased this year as we balance demand fluctuations with manufacturing throughput.
- FY23 second half gross margin improved on FY23 first half by 179 bps in constant currency.



### **Operating Margin**



#### **Operating expenses**

- \$606.2M, +11% (+7% CC)
- Operating margin decreased by 905bps (-944bps CC) to 21% with continued investment in operating expenses to support COVID-19 driven hardware sales and accelerate future product pipeline

#### **Research & Development expenses**

- \$174.3M, +13% (+13% CC)
- Reflecting underlying growth and timing of R&D projects
- Estimate ~60% of R&D spend eligible for tax credit

#### Selling, General & Administrative expenses

• \$431.9M, +10% (4% CC)



•••••• Long Term Operating Margin target

### Cash Flow and Balance Sheet

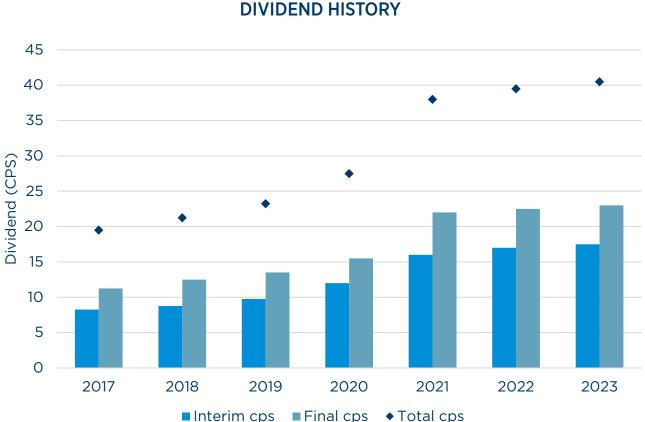
	FY22 NZ\$M	FY23 NZ\$M
Operating cash flow	324.3	238.2
Capital expenditure (including purchases of intangible assets)	(169.8)	(211.3)
Lease liability payments	(14.0)	(14.4)
Free cash flow	140.5	12.5

	<b>FY22</b> NZ\$M	FY23 NZ\$M
Net cash / (debt) (including short-term investments)	221.6	37.7
Total assets	2,107.0	2,204.5
Total equity	1,679.7	1,753.4
Gearing (net debt / net debt + equity)*	-16.3%	-2.3%
Undrawn committed debt facilities	184.5	624.5



### Dividend

- Increased final dividend by 2%
  - 23.0 cps + 8.94 cps imputation credit for NZ residents (gross dividend of NZ 31.94 cps)
  - Fully imputed
  - 4.06 cps non-resident supplementary dividend
- Total dividend for the year increased by 3% to 40.5 cps
- The company's dividend reinvestment plan is available for eligible shareholders with a 3% discount





### Foreign exchange effects

	FY22	FY23	Change
Reconciliation of Constant Currency to Reported Revenue	NZ\$M	NZ\$M	NZ\$M
Revenue (constant currency)	1,645.1	1,497.7	(147.4)
Spot exchange rate effect	2.6	79.9	77.3
Foreign exchange hedging result	39.3	(7.5)	(46.8)
Balance sheet revaluation	(5.3)	11.0	16.3
Total impact of foreign exchange	36.6	83.4	46.8
Revenue (as reported)	1,681.7	1,581.1	(100.6)
	FY22	FY23	Change
Reconciliation of Constant Currency to Reported Profit After Tax	NZ\$M	NZ\$M	NZ\$M
Profit after tax (constant currency)	349.2	212.2	(137.0)
Spot exchange rate effect	(0.1)	33.4	33.5
Foreign exchange hedging result	29.9	2.6	(27.3)
Balance sheet revaluation	(2.1)	2.1	4.2
Total impact of foreign exchange	27.7	38.1	10.4
Profit after tax (as reported)	376.9	250.3	(126.6)



### Outlook FY24

#### **Operating Revenue Guidance**

- Guidance assumptions result in:
  - operating revenue of approximately \$1.70 billion at May 2023 exchange rates\*; and
  - approximately similar revenue growth rates for Hospital and Homecare product groups.

Hospital hardware sales are difficult to predict. We have included approximately \$115M of hospital hardware sales for the full year within our guidance.

#### Gross Margin and Operating Expenses

- Gross margin improvement of approximately 200 basis points in CC, 100 bps reported\*.
- Operating expense growth of approximately 12% reported\*.

#### Interest and Tax

- Interest expense expected to be approximately \$16M
- Assumes approximately 60% of R&D will be eligible for R&D Tax Credit at 15%.

#### **Capital Expenditure**

• Expected to be approximately \$450M



# **Key Financials**



### Key full year financial results

#### FY23 (12 months to 31 March 2023)

	% of Revenue	NZ\$M	△PCP <sup>^</sup>	<b>△CC</b> *
Operating revenue	100%	1,581.1	-6%	-9%
Hospital operating revenue	65%	1,023.4	-15%	-18%
Homecare operating revenue	35%	553.8	18%	13%
Hospital new applications consumables revenue			-3%	-6%
OSA masks revenue			23%	17%
Gross margin / Gross profit	59%	938.4	-325bps	-369bps
SG&A	27%	(431.9)	10%	4%
R&D	11%	(174.3)	13%	13%
Total operating expenses	38%	(606.2)	11%	7%
Operating profit	21%	332.2	-34%	-39%
Profit after tax	16%	250.3	-34%	-39%



### Hedging cover

• 45% of operating revenue in US\$ (FY22: 49%) and 20% in € (FY22: 18%).

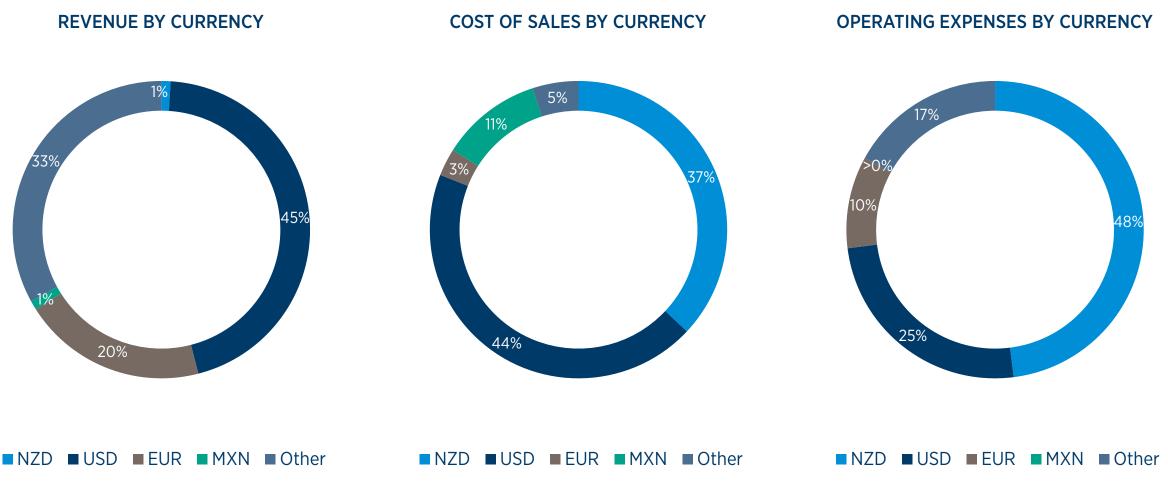
	Year to 31 March					
Hedging position for our main exposures (as at 12 May 2023)	FY24	FY25	FY26	FY27	FY28	FY29- FY31+
USD % cover of estimated exposure	85%	70%	60%	50%	30%	5%
USD average rate of cover	0.659	0.623	0.608	0.596	0.584	0.526
EUR % cover of estimated exposure	70%	55%	40%	35%	20%	0%
EUR average rate of cover	0.538	0.523	0.531	0.523	0.524	0.530
MXN % cover of estimated exposure	55%	35%	10%	-	-	-
MXN average rate of cover	16.348	16.348	17.043	-	-	-

Hedging cover percentages have been rounded to the nearest 5%



### Revenue and expenses by currency

FY23 (for the year ended 31 March 2023)









### Fisher & Paykel Healthcare at a glance

### Global leader in respiratory humidification devices

- Medical device manufacturer with leading positions in respiratory care and obstructive sleep apnea
- >50 years' experience in changing clinical practice to solutions that provide better clinical outcomes and improve effectiveness of care
- Estimated NZ\$25+ billion and growing market opportunity driven by demographics
- Significant organic long-term growth opportunities in acute and chronic respiratory care, OSA and surgery
- Large proportion (85%) of revenue from recurring items, consumables and accessories
- High level of innovation and investment in R&D with strong product pipeline
- High barriers to entry

#### **Global presence**

Our people are located in **53 COUNTRIES** 



3,538<br/>in New Zealand2,147<br/>in North America,<br/>including Mexico379<br/>in Europe500<br/>in the rest<br/>of the world

#### Strong financial performance

- Continued target, and history of, doubling our revenue (in constant currency terms) every 5 to 6 years
- Targeting gross margin of 65% and operating margin of 30%
- Growth company with a strong history of increasing dividend payments



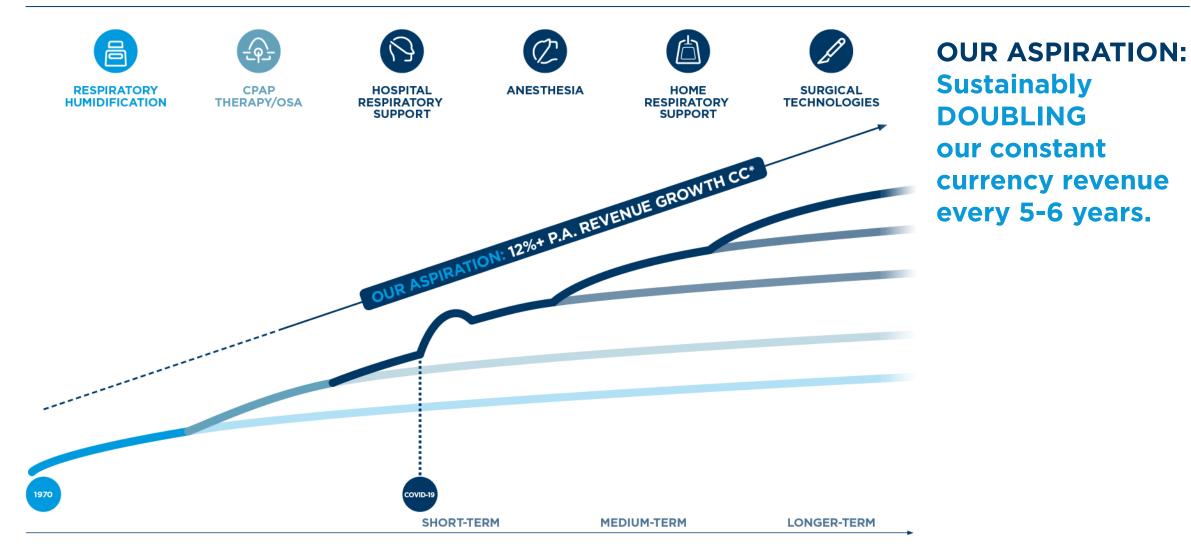
### ~NZ\$25+ billion and growing market opportunity

#### Total addressable market estimates

HOSPITAL			HOMECARE			
	~150+ million patients			~100+ million patients		
Invasive Ventilation	Noninvasive Ventilation	Hospital Respiratory Support	Anesthesia	Home Respiratory Support	Obstructive Sleep Apnea	
	Infant Care		Surgical			
	Anr	NEW APPLICATIONS blications outside of invasive vent				



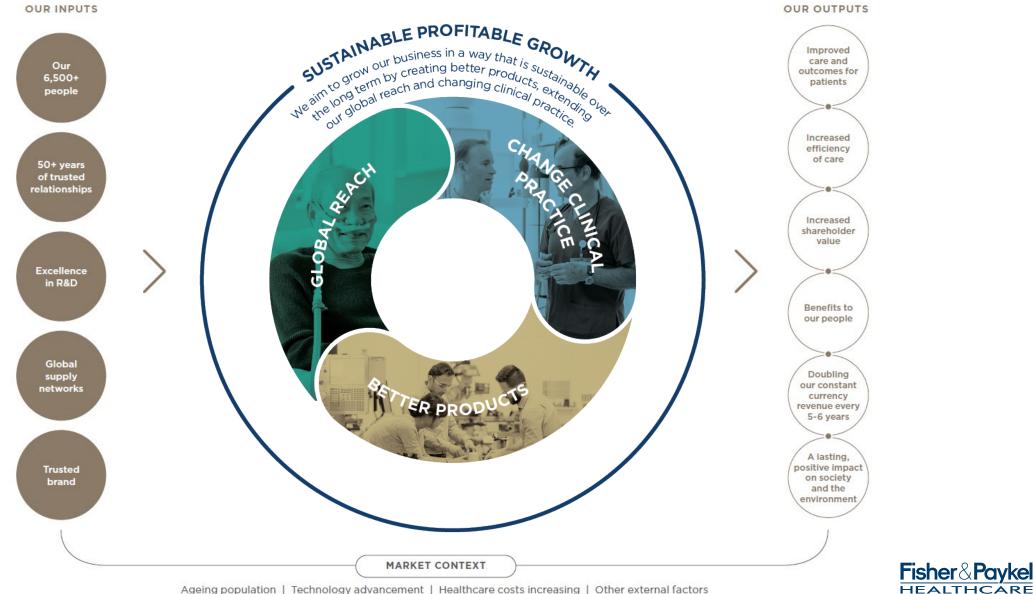
### Our aspiration



22 The image above is an illustration of the company's long-term growth aspirations. It is not a graph and should not be interpreted as being indicative of levels of revenue or profitability in the short term.



### Consistent growth strategy



### F&P product fundamentals



#### What are we here to do?

A drive to not only improve, but transform, clinical practice. Provide products with protected value differentiation. Get our products, including the evidence, knowledge and supporting tools, into the hands of the customer

A deep understanding of the problem and knowing what we are trying to achieve, leads to valued, innovative solutions

A patient-focused approach

A drive to deliver and improve

Long-term thinking







### High level of innovation and investment in R&D

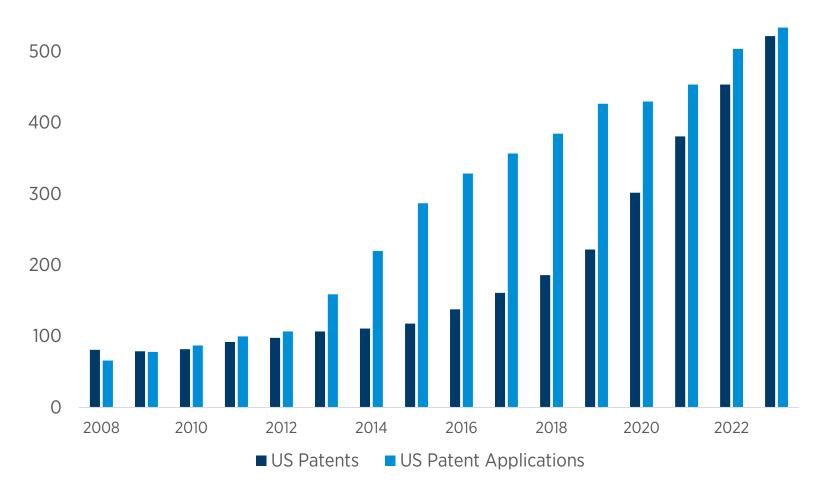
- R&D represents 11% of operating revenue\*: NZ\$174.3M
- Product pipeline includes:
  - Humidifier controllers
  - Masks
  - Respiratory consumables
  - Flow generators
  - Compliance monitoring solutions
- 522 US patents, 534 US pending, 2,329 Rest of World patents, 1,708 Rest of World pending<sup>+</sup>





### Growing patent portfolio

#### FISHER & PAYKEL HEALTHCARE US PATENT PORTFOLIO (2008 – 2023)



Average remaining life of FPH patent portfolio (all countries): 11.2 years\*



### Changing Clinical Practice

- Using clinical evidence to drive change
- Multi-layered with multiple stakeholders
- Building confidence with usage inline with the evidence, demonstrating value
- Products in each care area builds familiarity and confidence
- Customer experience builds trust and confidence

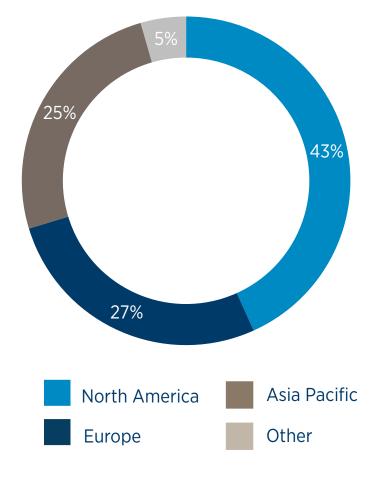




### Strong global presence

- Direct/offices
  - Hospitals, home care dealers
  - Sales/support offices in North America, Europe, Asia, South America, Middle East and Australasia, 18 distribution centres
  - ~1,300 employees in 53 countries
  - Ongoing international expansion
- Distributors
  - +180 distributors worldwide
- Original Equipment Manufacturers
  - Supply most leading ventilator manufacturers
- Sell in more than 120 countries

#### Revenue by Region 12 months to 31 March 2023







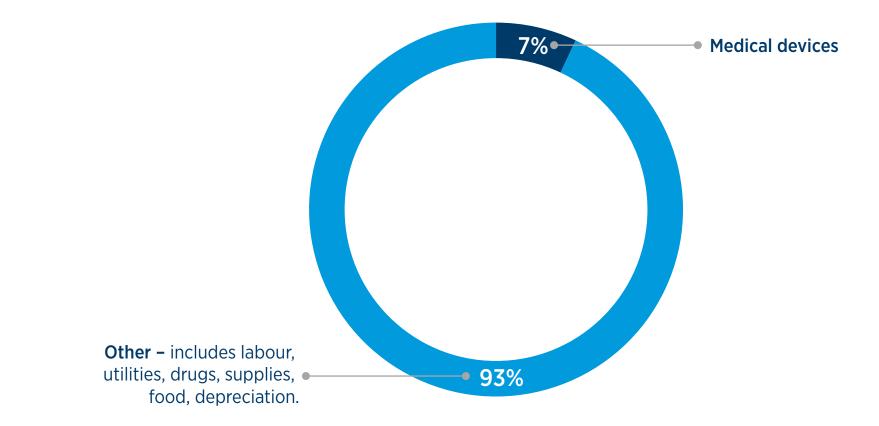


### Impact of changing demographics

Population age and weight both increasing <ul> <li>Global population 60 years+ is expected to</li> </ul>	1,800	Global population over age 65 (Millions)*			
more than double over the next 30 years <sup>1</sup>	1,600				
<ul> <li>18% of adults are forecast to be obese by 2030<sup>2</sup></li> </ul>	1,400				
	1,200				
40-50% of healthcare spend is on persons 65 years and older, in OECD countries <sup>3</sup>	1,000 800				
Low-upper middle income markets increasing healthcare spending	600				
<ul> <li>Total health spending is increasing more rapidly in low-upper middle income countri-</li> </ul>	400				
(4 to 5% on average) than in high income countries (~2%) <sup>4</sup>		1970 1990	2010	2030	2050



### Hospital cost breakdown

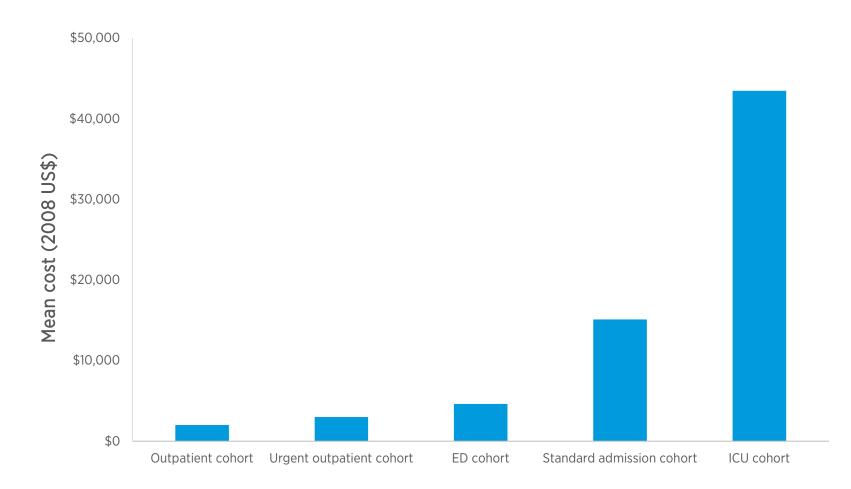


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### Lower care intensity = lower cost

#### MEAN ANNUAL COPD-RELATED MEDICAL, PHARMACY AND TOTAL COSTS BY CARE INTENSITY COHORT



32 Source: Anand A Dalal, Laura Christensen, Fang Liu, and Aylin A Riedel. Direct costs of chronic obstructive pulmonary disease among managed care patients. Int J Chron Obstruct Pulmon Dis. 2010; 5: 241-249.



### Respiratory humidification

- Normal airway humidification is bypassed or compromised during ventilation or oxygen therapy
- Mucociliary transport system operates less effectively
- Need to deliver gas at physiologically normal levels
  - 37°C body core temperature
  - 44mg/L 100% saturated



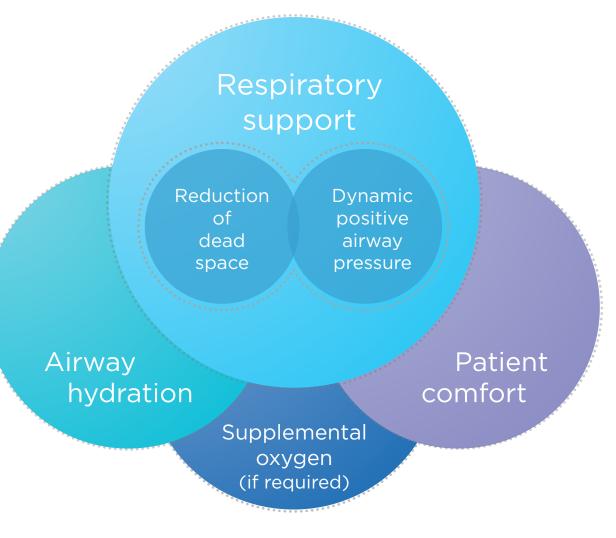


### Optiflow nasal high flow therapy

### Mechanisms of action

Spontaneously breathing patients with or at risk of respiratory compromise







### Optiflow - displacing conventional oxygen therapy

#### CONVENTIONAL OXYGEN THERAPY



Low flow nasal prongs

Simple face mask



#### Rebreather mask

NON-INVASIVE VENTILATION





## ~6million

Estimated patients were treated with our Optiflow nasal high flow therapy over the past year



### Patient groups who may benefit from Optiflow

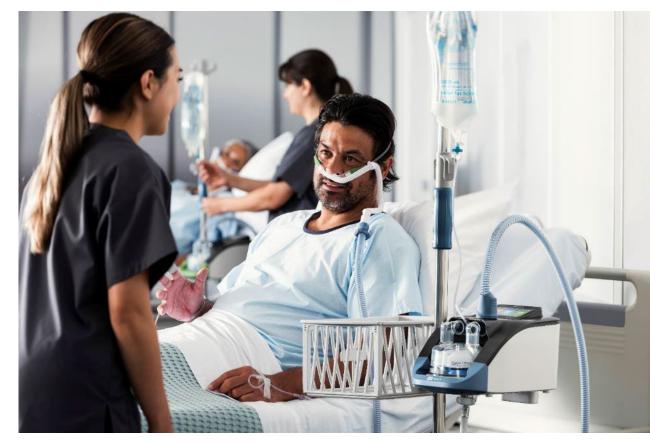
#### ADULTS:

- Acute respiratory failure
- Asthma
- Atelectasis
- Bronchiectasis
- Bronchitis
- Burns
- COPD
- Chest trauma

#### PAEDIATRICS/NEONATES:

Infant respiratory
 Bronchiolitis distress

- Emphysema
- Palliative Care
- Pneumonia
- Pulmonary embolism
- Respiratory
   compromise
- Viral pneumonia
- Carbon monoxide poisoning





# Opportunity for Optiflow therapy across the hospital

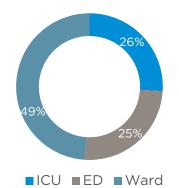
Areas in the hospital that provide some form of respiratory support to patients:

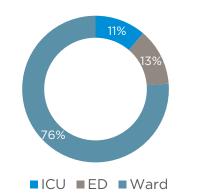
- Medical Intensive Care Units
- Surgical Intensive Care Units
- Emergency Departments (ER)
- Floor/Ward

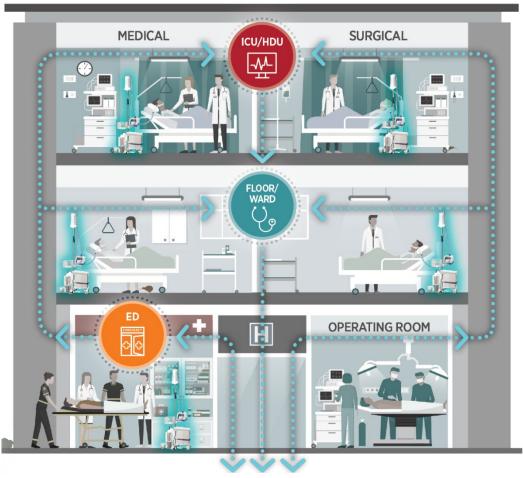
#### Case study of well penetrated hospital network\*

Optiflow Usage

Airvo hardware location







### Large global opportunity to increase utilisation of Optiflow outside ICU

37 \* Given the lack of data showing usage of respiratory support by department, the following information is based on surveys conducted by F&P Healthcare of four major metropolitan hospitals for the 2022 calendar year.



# Hardware Utilisation v Patients Treated

#### Hypothetical example

100 bed ED, seeing 100k patients a year. Assume 20% of all patients visiting this ED require some form of respiratory support and the ED's protocol would result in 5% of those patients requiring Optiflow therapy (i.e. 1,000 patients a year).

#### Scenario 1: Hardware Utilisation

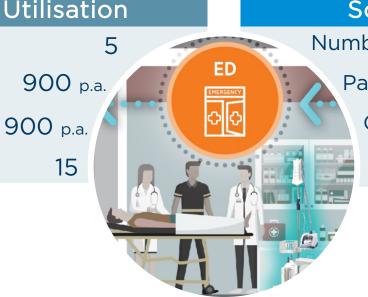
Number of F&P Airvos:

Patients treated with Optiflow\*:

Consumable sets:

Hardware turn rate monthly:

- Lower capacity
- Fewer patients treated
- Higher turn rate



### Scenario 2: Patients Treated

mber of F&P Airvos:	10
Patients treated with Optiflow:	<b>1,000</b> p.a.
Consumable sets:	<b>1,000</b> p.a.
Hardware turn rate monthly:	8.3

✓ Greater capacity

- ✓ More patients treated
- Lower turn rate

### Key metric: Number of patients treated



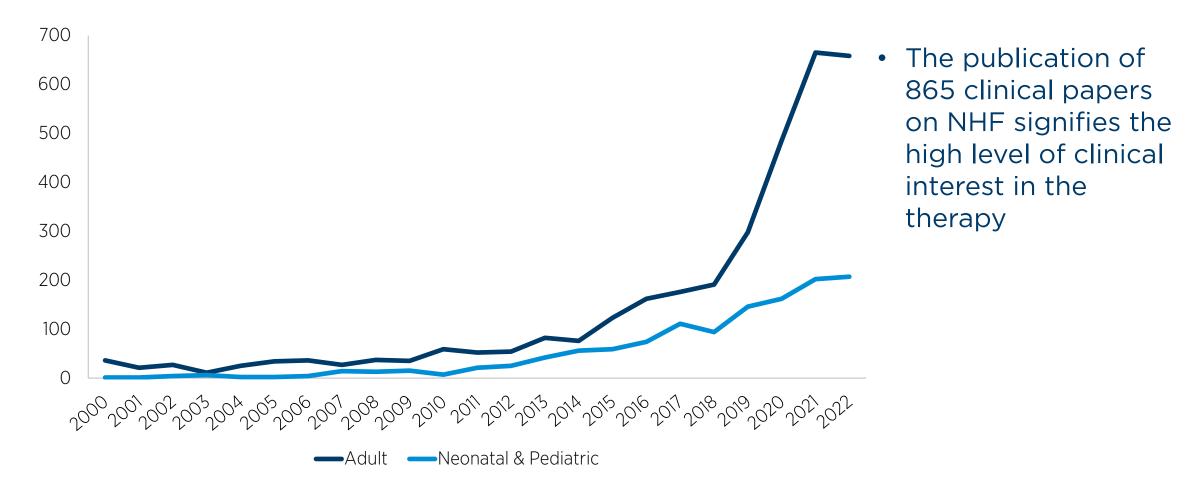
# Clinical practice guidelines: Nasal high flow therapy

	SUPPORTING CLINICAL PRACTCE GUIDELINES	EMERGENCY DEPARTMENT	ICU/HDU	RESPIRATORY	GENERAL
Primary support BEDICAL	ESICM, ERS, SSC, AARC, ACP, TSANZ, WHO	⊘		<	
Primary support POST-OPERATIVE	ESICM, ERS		$\checkmark$		
Pre-escalation support/ Peri-intubation	ESICM	Ø			
Post-extubation/ De-escalation support	ESICM, ERS, AARC, ACP		<b>&gt;</b>		
<b>Complementary support</b> (NIV-rested/proning)	ERS	⊘		<ul> <li>Image: A start of the start of</li></ul>	
<b>Prophylactic support</b> (Require oxygen/avoid esca	AARC				



# Optiflow NHF - a growing body of clinical evidence

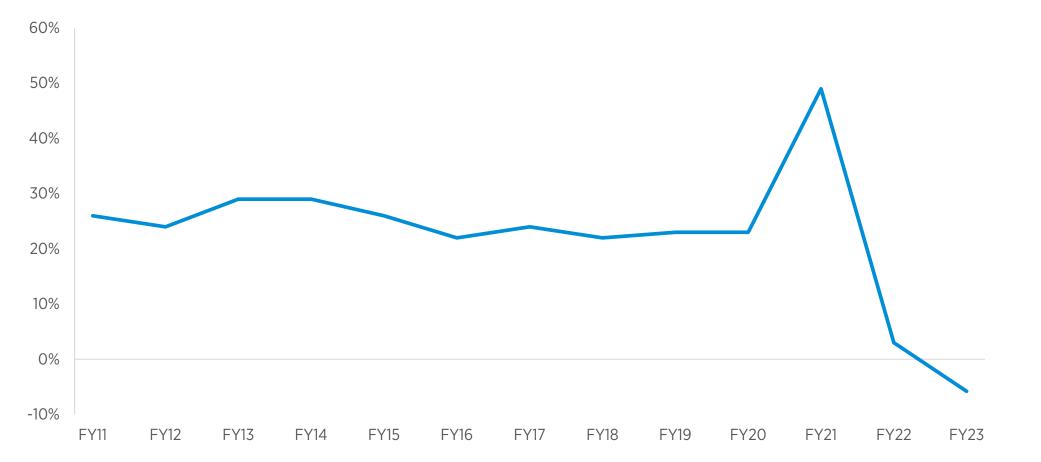






# History of growth in hospital new applications

CONSTANT CURRENCY REVENUE GROWTH RATE IN NEW APPLICATIONS CONSUMABLES\*



New applications consumables: Non-invasive ventilation, Optiflow, Anesthesia, Surgical \* Adjusted to exclude impact of US distribution transition in FY16 and FY17

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# Г Homecare



### **Obstructive Sleep Apnea**

- Obstructive sleep apnea is an underdiagnosed medical condition, with multiple negative outcomes to patients' health.
- It can greatly impair quality of sleep, leading to fatigue; also associated with hypertension, stroke and heart attack
- Estimate >100 million people affected in developed countries
- Most common treatment is CPAP (Continuous Positive Airway Pressure)
  - Key issue with CPAP is compliance
  - Humidification provides significant acceptance and compliance improvements





### Mask matters most

- Masks are key to compliance
- Unique, patented designs
- Released our new Evora<sup>™</sup> Full OSA mask in the United States.



### Home respiratory support

- Chronic obstructive pulmonary disease (COPD) is a lung disease which is commonly associated with smoking
- Emphysema and chronic bronchitis are both forms of COPD
- Chronic respiratory disease, primarily COPD, is the third leading cause of death in the world<sup>6</sup>
- 6% of US adults have been diagnosed with COPD<sup>7</sup> (~15 million people)
- 4-10% COPD prevalence worldwide<sup>8</sup> (~400 million people)
- Emerging evidence for COPD patients using NHF at home, reduced exacerbation rates<sup>5</sup>, reduced hypercapnia<sup>9,10</sup>, and improved quality of life<sup>9,10</sup>.





# Manufacturing and operations

#### **New Zealand**

- Four buildings: 110,000 m<sup>2</sup> / 1,180,000 ft<sup>2</sup>
- Co-location of R&D and manufacturing
- Continued earthworks on building 5
- Received Overseas Investment Office approval for the purchase of land in Karaka for our second New Zealand campus

### Tijuana, Mexico

• Three buildings: 63,000 m<sup>2</sup> / 690,000 ft<sup>2</sup>

### Guangzhou, China

• Commenced development of our new manufacturing facility in China.



Artist's rendering of the company's future second campus in Karaka, Auckland



### Environmental, Social & Governance

#### **Our People**

#### Community and Volunteer Groups

The Board approved a discretionary profit-sharing payment of \$10 million for company employees. Our people have continued to overcome supply chain issues and worked tirelessly to meet global demand surges over the last three years.

**Key Environmental Metrics** 

We are proud of the community groups supported through the Fisher & Paykel Healthcare Foundation. During the 2023 financial year, the Foundation provided funding of \$924,000 to organisations working in local communities. Refer to our 2023 Annual Report for

more details.

#### FY23 Highlights:

 Launched our new Sustainable Procurement Framework to suppliers

Sustainable Procurement

- Completed recruitment of sustainable procurement specialist to cover the Asia region
- Extended our Speak Up Procedure to suppliers

#### Sustainability disclosures and indices

We participate annually in a suite of wellrespected sustainability disclosure programmes and are included in the Dow Jones Sustainability Index and the FTSE4Good index.

#### Member of

### **Dow Jones** Sustainability Indices

Powered by the S&P Global CSA



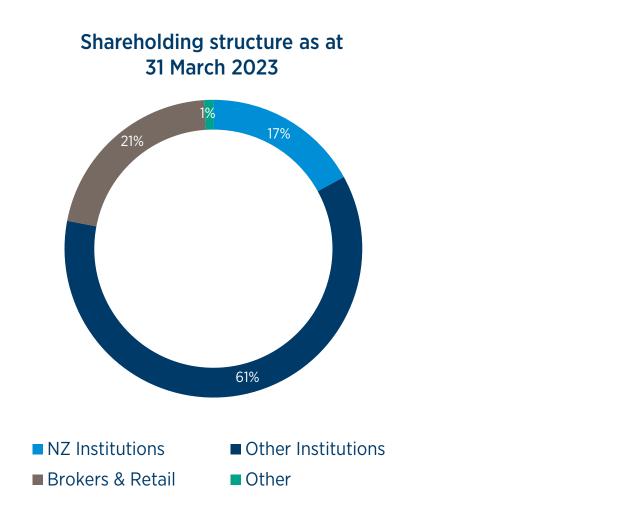


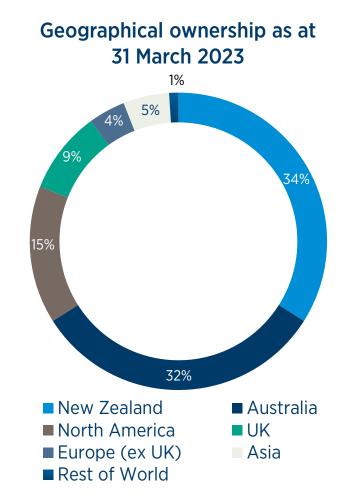
#### Fisher & Pav HEALTHCARE

	FY21	FY22	FY23
Scope 1 emissions (tonnes CO <sub>2</sub> e)	1,465	1,777	2,287
Scope 2 emissions (tonnes CO <sub>2</sub> e)*	14,542	13,894	14,529
Scope 3 emissions (tonnes CO <sub>2</sub> e)	718,991	457,112	328,313
Total emissions (tonnes CO <sub>2</sub> e)*	734,998	472,783	345,129
Water usage (cubic metres)	134,900	184,171	133,517
Landfill waste diverted (cubic metres)	1,630	2,035	1,727
NZ recycling efficiency (percentage of waste diverted from landfill)	62%	68%	62%
Global recycling efficiency (percentage of waste diverted from landfill)	29%	52%	54%

# Ownership structure and listings

• Listed on NZX and ASX (NZX.FPH, ASX.FPH)







### References

### References

- 1. (2022). Ageing and health. World Health Organization. https://www.who.int/news-room/fact-sheets/detail/ageing-and-health
- 2. Lobstein, T., & Brinsden, H. (2022, March 10). World Obesity Atlas 2022. World Obesity.
- 3. Safiliou-Rothschild, C. (2009). ARE OLDER PEOPLE RESPONSIBLE FOR HIGH HEALTHCARE COSTS? CESifo Forum..
- 4. Global Burden of Disease Health Financing Collaborator Network. Future and potential spending on health 2015-40: development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. Lancet. 2017 May 20;389(10083):2005-2030. doi: 10.1016/S0140-6736(17)30873-5. Epub 2017 Apr 19. Erratum in: Lancet. 2017 May 20;389(10083):1980. PMID: 28433260; PMCID: PMC5440765.
- 5. Storgaard LH, Hockey HU, Laursen BS, Weinreich UM. Long-term effects of oxygen-enriched high-flow nasal cannula treatment in COPD patients with chronic hypoxemic respiratory failure. Int J Chron Obstruct Pulmon Dis 2018;16;13:1195-1205
- 6. Saslow JG, Aghai ZH, Nakhla TA et al. Work of breathing using high-flow nasal cannula in preterm infants. J Perinatol. 2006;26(8):476-80
- 7. World Health Organise (2018) The top 10 causes of death, Available at: https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death (Accessed: 24 May 2018)
- 8. Nicole M Kosacz, Antonello Punturieri et al. Chronic Obstructive Pulmonary Disease Among Adults -United States 2011. US Centers for Disease Control and Prevention, 2012.
- 9. Pavlov I, Plamondon P, Delisle S. Nasal high-flow therapy for type II respiratory failure in COPD: a report of four cases. Respir Med Case Rep. 2017;20:87-88. doi:10.1016/j.rmcr.2016.12.006.
- 10. Rittayamai N, Phuangchoei P, Tscheikuna J, et al. Effects of high-flow nasal cannula and non-invasive ventilation on inspiratory effort in hypercapnic patients with chronic obstructive pulmonary disease: a preliminary study. Ann Intensive Care. 2019; 9(1):122doi:10.1186/s13613-019-0597-5.
- 11. Rochwerg, Bram et al. "The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline." Intensive care medicine vol. 46,12 (2020): 2226-2237. doi:10.1007/s00134-020-06312-y
- 12. Oczkowski, Simon, et al. "ERS Clinical Practice Guidelines: High-flow Nasal Cannula in Acute Respiratory Failure." European Respiratory Journal, vol. 59, no. 4, European Respiratory Society (ERS), Oct. 2021, p. 2101574. Crossref, https://doi.org/10.1183/13993003.01574-2021.
- 13. Evans, Laura, et al. "Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021." Critical Care Medicine, vol. 49, no. 11, Ovid Technologies (Wolters Kluwer Health), Oct. 2021, pp. e1063–143. Crossref, https://doi.org/10.1097/ccm.000000000005337.
- 14. Piraino, Thomas, et al. "AARC Clinical Practice Guideline: Management of Adult Patients With Oxygen in the Acute Care Setting." Respiratory Care, vol. 67, no. 1, Daedalus Enterprises, Nov. 2021, pp. 115–28. Crossref, https://doi.org/10.4187/respcare.09294.
- 15. Qaseem, Amir, et al. "Appropriate Use of High-Flow Nasal Oxygen in Hospitalized Patients for Initial or Postextubation Management of Acute Respiratory Failure: A Clinical Guideline From the American College of Physicians." Annals of Internal Medicine, vol. 174, no. 7, American College of Physicians, July 2021, pp. 977–84. Crossref, <a href="https://doi.org/10.7326/m20-7533">https://doi.org/10.7326/m20-7533</a>.
- 16. Barnett, Adrian, et al. "Thoracic Society of Australia and New Zealand Position Statement on Acute Oxygen Use in Adults: 'Swimming Between the Flags.'" Respirology, vol. 27, no. 4, Wiley, Feb. 2022, pp. 262–76. Crossref, https://doi.org/10.1111/resp.14218.
- 17. Clinical management of COVID-19: Living guideline, 23 June 2022. Geneva: World Health Organization; 2022 (WHO/2019-nCoV/Clinical/2022.1). Licence: CC BY-NC-SA 3.0 IGO.

