





Company Presentation

January 2024

Ticker: HVO

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Dr. Yamin 'Mo' Khan CEO

Stephen Pinkerton CFO

Company Overview



- World Leader in Human Challenge Trials
- Onsite Virology Laboratories
- FluCamp: tech-enabled volunteer and patient recruitment platform

Venn Life Sciences

 Early Clinical Drug Development Services

Biometric services



Who we are

Mission

Delivering today's healthcare by empowering tomorrow's innovation.

Vision

To transform global healthcare by revolutionising the drug development process through scientific ingenuity.

Values

✓ Innovation & Agility
✓ Growth
✓ Integrity & Welfare
✓ One Team

A Record Year of Growth

hvivo
 formerly Open Orphan plc

छि	Delivering Record Financial Performance	£56.0m Revenue ¹ 2022: £48.5m	c.22% EBITDA Margin 2022: 18.7%	£37.0m Cash Balance at 31 Dec 2023
	Exceptional Operational Execution	9 Active Human Challenge Trials in 2023	100% Increase in Completed Lab Assays	140k+ FluCamp Leads Generated in 2023
	Scaling & Driving Efficiencies	New Facility Canary Wharf: Opening H1 24	New Models hMPV & Flu B	New Services Lab, Site, Recruitment
	Well Positioned for Future Growth	£62m FY24 Revenue Guidance ¹	£80m Weighted Contracted Orderbook (31 Dec 2023)	£100m Target Revenue by 2028

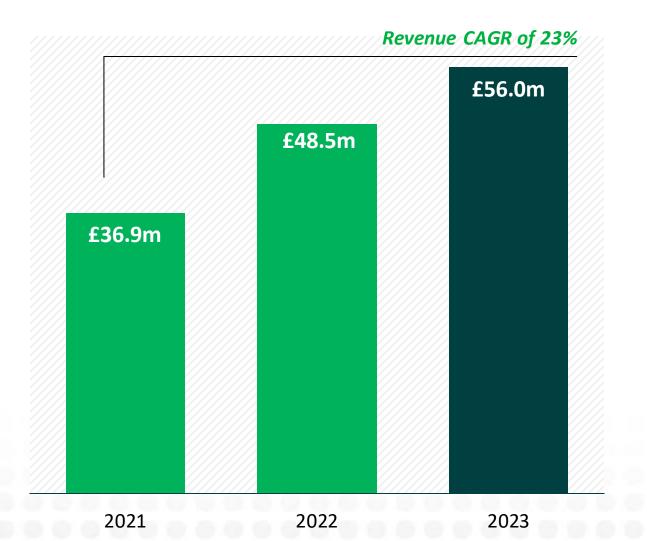


Stephen Pinkerton

Chief Financial Officer

Financial performance review

Another Year of Record Revenue

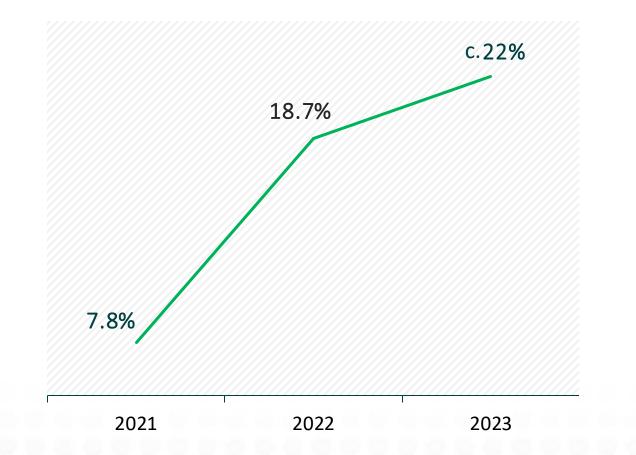




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A Sustainably Profitable Business



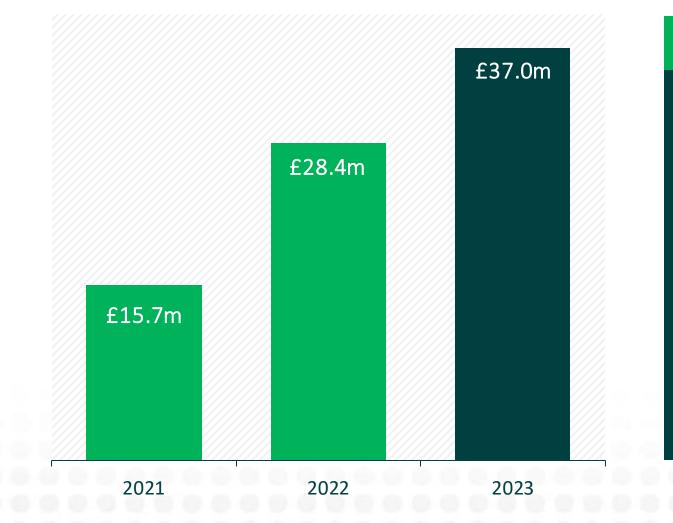


EBITDA Margin

- 2023 EBITDA margin c.22%
- Strong operational delivery team
- Multiple studies run concurrently delivering recruitment efficiencies
- Greater volume leading to increased utilisation of staff and facilities
- Facility acceleration fees offset by impact of MHRA delays

A Sustainably Cash Generative Business

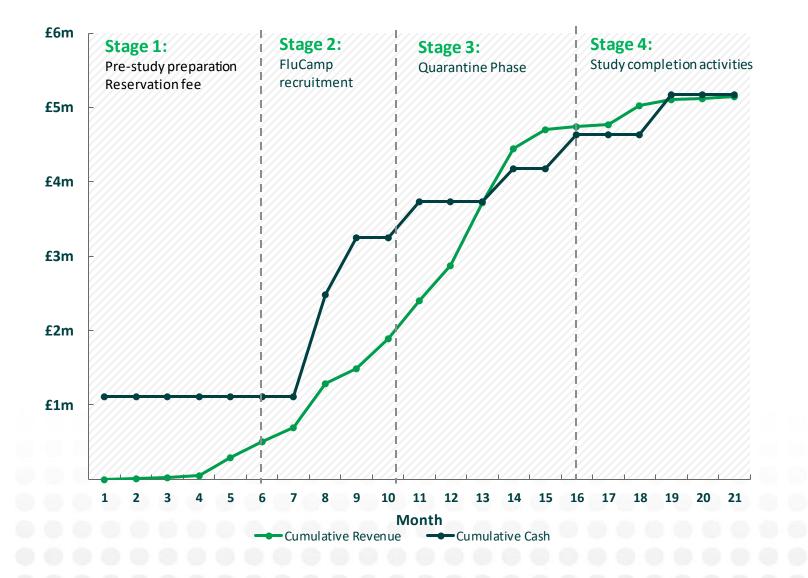




Cash

- Strong cash position with £37.0m as at 31 Dec 2023
- Includes £3.0m dividend paid in 2023
- No debt
- Advanced fees from orderbook growth & contract delivery milestones
- Facility fee receipts in advance of spend
- Increasing underlying operating margins
- Annual dividend to be paid in 2024

Challenge Trial Revenue Recognition Profile



- hVIVO receives an upfront, nonrefundable booking of c.10-20% of total study value to reserve quarantine space
- This mitigates against the risk of cancellation or client delay
- Majority of revenue recognition relates to the recruitment and quarantine phase of the study





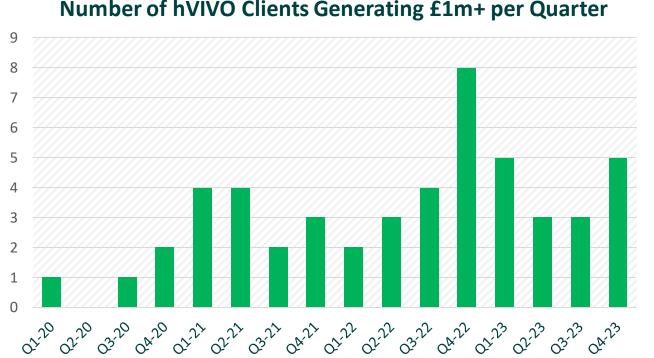
Dr. Yamin "Mo" Khan

Chief Executive Officer

A year of record growth

Strong Operational Delivery in 2023





Number of hVIVO Clients Generating £1m+ per Quarter

- Larger studies
- Strong volunteer enrolment
- Full-service contracts

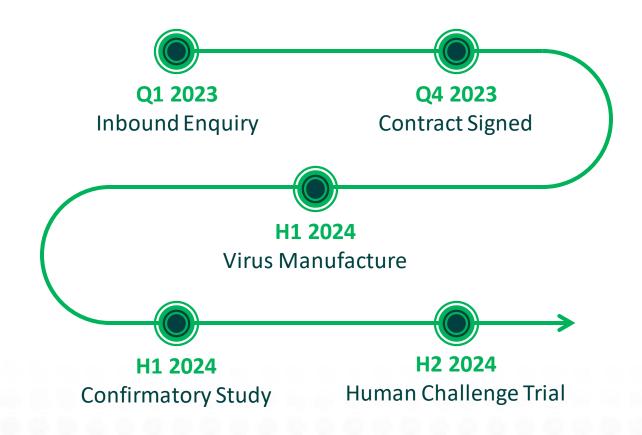
- Concurrent trial conduct
- Stronger orderbook
- Diversification of client base

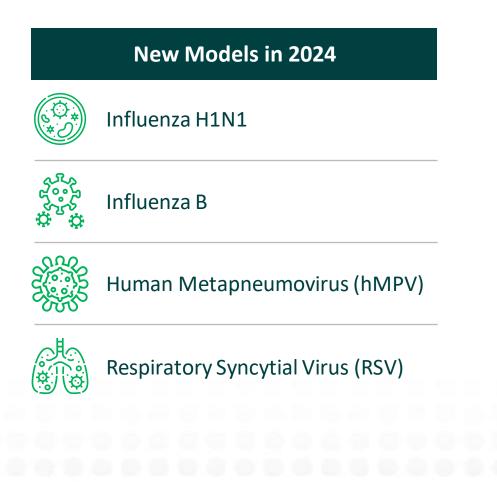
Key Highlights

- Achieved sales target
- New and repeat customers contracted
- Multiple MSAs signed
- Record screening & inoculations
- Record laboratory assays
- 4 new models under development
- Leiden Office opened
- Construction started at Canary Wharf
- New cybersecurity system implemented
- Successful MHRA inspection
- Mitigation of MHRA delays
- ESG Group formalised

Case Study: End-to-End Human Challenge Service

Repeat Big Pharma client goal: generate rapid data





Further diversifying hVIVO's leading portfolio of human challenge models

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FluCamp – Driving Efficiency in Volunteer Recruitment





Target the right people using an ever-expanding database.

300,000+ Highly engaged & motivated volunteers

100,000 Asthmatics



97%

Current TrustScore 4.0 A Based on 247 reviews

Volunteers who complete a trial would recommend FluCamp to others¹

Average **Trust Pilot** rating More 5-star reviews than competitor clinical trials companies

88%

Volunteers rate enrolment process as **GOOD to EXCELLENT**¹

>50%

>17k

UNIQUE website visits to FluCamp.com in 2023 than our nearest CRO competitor²

Volunteers screened in 2023



PROFESSIONAL UK based engagement centre supporting enrolment and onboarding activities

Venn – Continued Strong Delivery



Seamless drug development support service ("Bench-to-Bed")



>30% revenue growth driven by Venn's early clinical services 18%

Increase in Venn employees year-on-year

75%

Repeat Business

100%

Customers surveyed would work with Venn again

Investment in key growth areas -ATMP & Drug Device Consulting



Cross-selling clients to hVIVO services

New office at Leiden Bio Science Park

Driving collaboration & interaction with potential customers from the largest life science community in Benelux







Building momentum into 2024

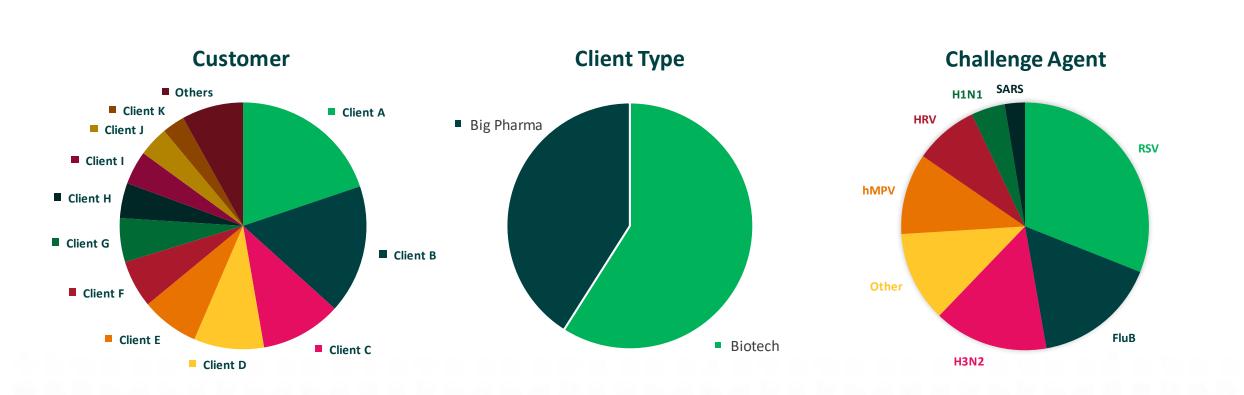




Net Contracted Orderbook

- Strong sales performance in 2023
- Growing orderbook after record revenue performance
- 90% of 2024 revenue covered by existing orderbook
- Good visibility into 2025

- £16.8m full-service RSV contract
- Bespoke hMPV challenge model contract
- £13.1m bespoke Flu B challenge model contract
- €3.2m Global Pharma consulting contract with Venn

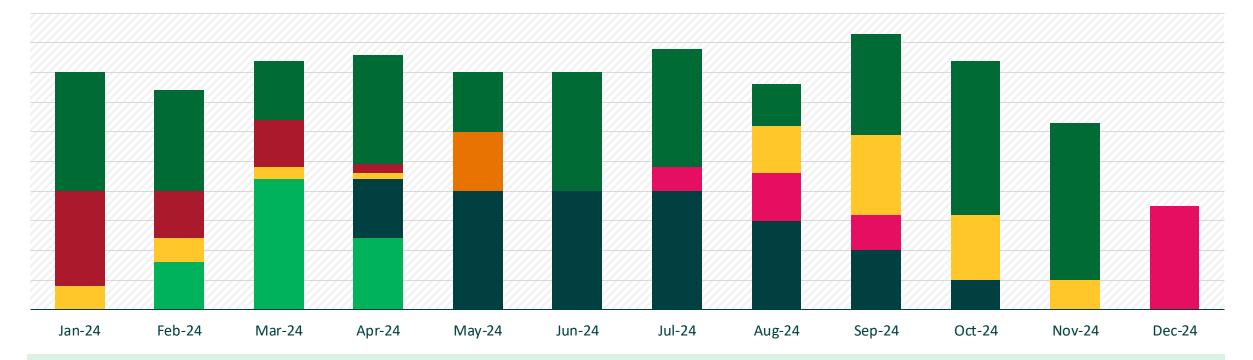


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Diverse Orderbook - Driving Efficiencies



#Inoculations by Challenge Model 2024



- Goal: utilise 3 different virus agents per month
- Multi-agent screening of volunteers
- Improves project delivery

- Increases efficiency
- Improved resource and site utilisation



On track to open H1 2024

- 50 quarantine bedrooms
- Virology and immunology lab
- CL-3 Lab
- Outpatient unit
- Corporate office

Foundation for growth

- Largely funded by clients
- Reduced cost per bed
- Aligned with current leases
- Potential to improve margins
- Increased revenue cap

Progress Report

- ✓ Floor plan and interior design
- Electrical & mechanical install
- ✓ Wall installation
- ✓ Ventilation system
- ✓ Nursecall system

- ✓ Flooring
- ✓ Painting
- ✓ Lighting
- ✓ Quarantine doors
- ✓ Ensuite bathrooms



Improving Automation – Driving Efficiency



Shifting from paper-based processes to a fully integrated digital system

Lab Information Management System (LIMS)

- Streamlined lab processes
- Enhanced interrogation readiness
- Integrated lab operation
- Improved efficiency

Volunteer Management System

- End-to-end visibility of volunteer journey
- State-of-the-art CRM system
- Improving volunteer recruitment process
- Segmentation & profiling driving efficiency

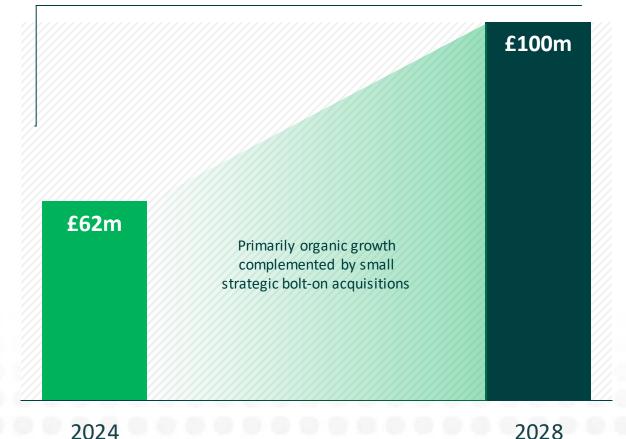
eConsent / eSource / EDC

- Volunteer consent
- Instant access to data
- Increased compliance
- Enhanced study oversight



Targeting £100m Revenue by 2028

Achievable through a combination of strong organic growth complemented with small bolt-on acquisitions that meet our disciplined strategic and financial criteria

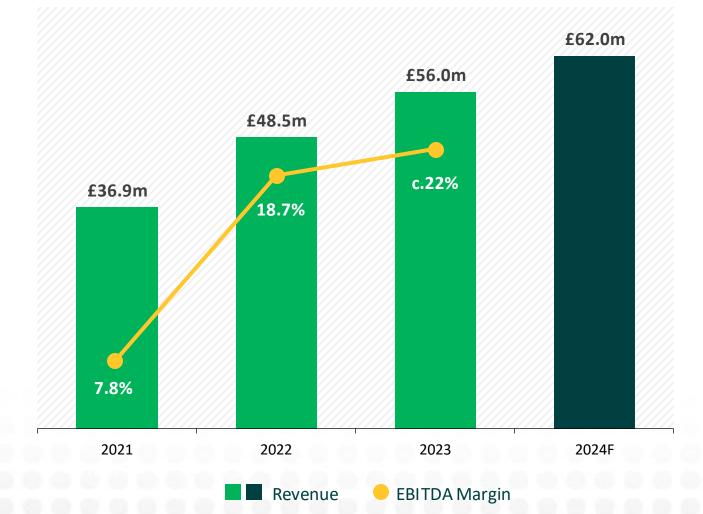


Revenue CAGR of 12.7%

- **Expansion of Lab Services** 1.
- 2. Full Service CRO Offering
- 3. Phase II / III Site Services
- 4. Volunteer Repurposing
- 5. Expansion of Venn Consultancy Services

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Financial Outlook into 2024



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- Full year revenue guidance of £62m
- 90% of 2024 revenue contracted
- Record visibility into 2025
- Supported by weighted orderbook of £80m

Revenue excludes other income, such as R&D tax credits

Investment Case





Continued Delivery

- Strong revenue, EBITDA, and sales
- Robust cash position
- Record inoculations
- Improving operational efficiencies and margins



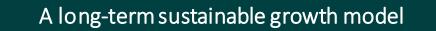
Scaling & Driving Efficiencies

- New CL-3 50-bedroom facility
- Increased lab capacity
- Increase outpatient capacity
- New challenge models
- New services



Well Positioned for Future Growth

- Guiding £62m revenue 2024
- £80m weighted contracted orderbook
- 90% of 2024 revenue contracted
- Annual dividend
- Medium-term target of £100m revenue









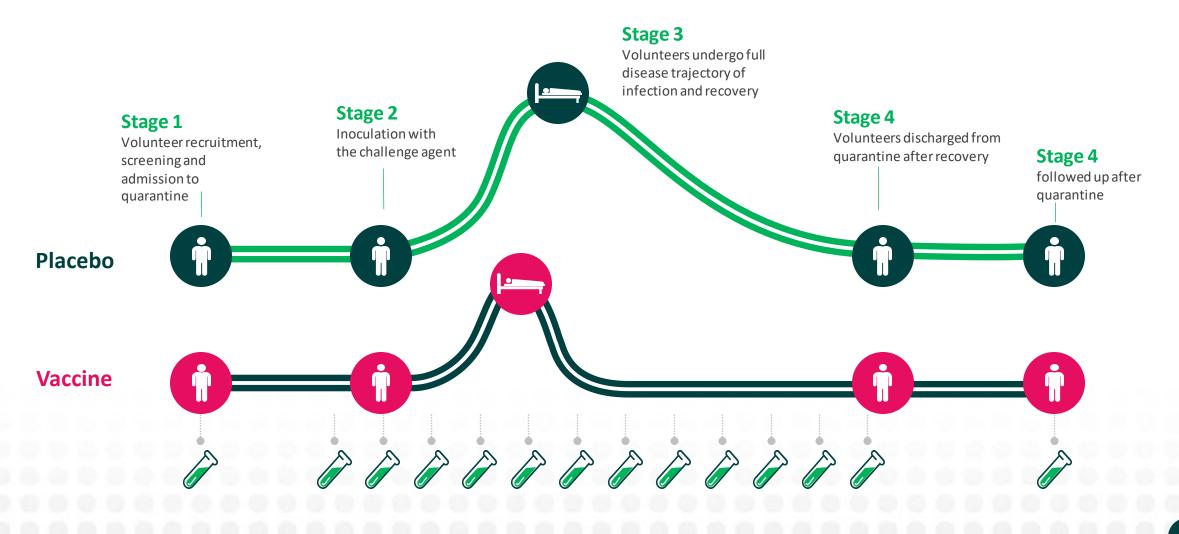
Questions



What is a Human Challenge Trial?

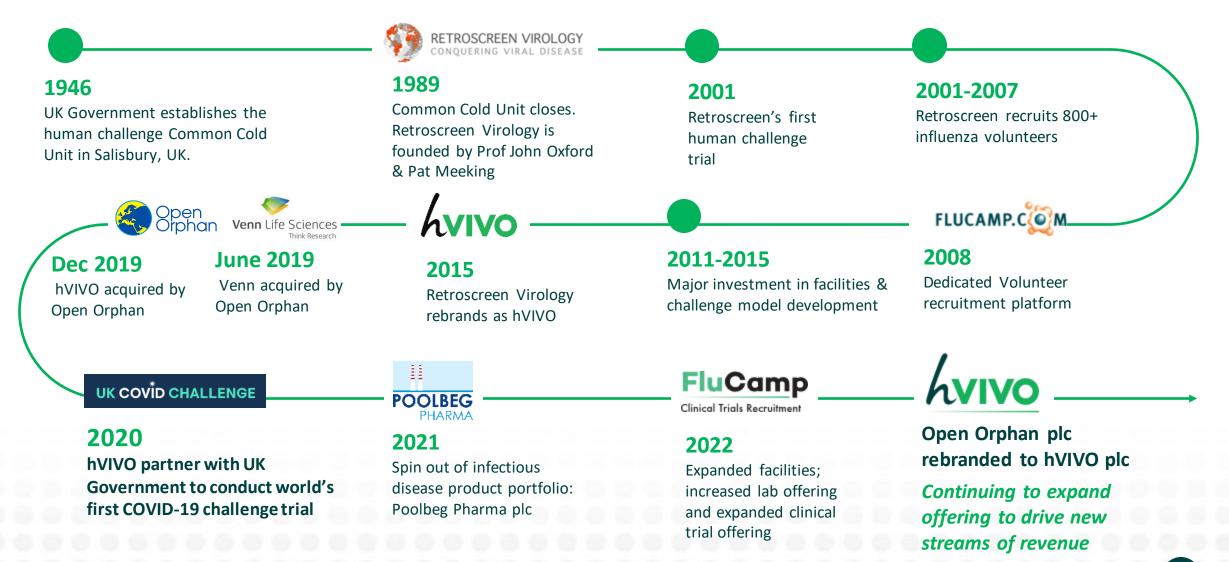


A clinical trial where healthy volunteers are exposed to a pathogen to test the effectiveness of vaccine and treatments...



History of hVIVO







	Influenza	RSV	HRV	Malaria	Asthma	SARS-CoV-2	hMPV	Dengue
	H3N2 Perth	Memphis	HRV 16	P. falciparum	HRV 16	Pre-Alpha	Strain A*	Dengue 1*
	H3N2 Wisconsin		HRV 14*			Delta		Dengue 3*
Virus Strain	H1N1(F)					Omicron*		Dengue 4*
	Flu B*							
	H5N1*							
	* In developr	ment						

Potential for the future: Norovirus, Zika, Pneumococcal

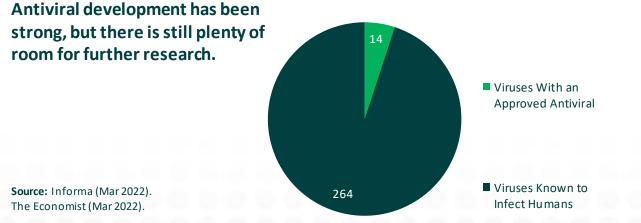
A Growing Market



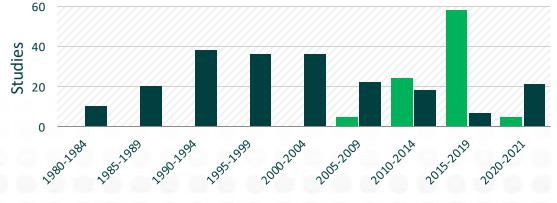


Companies Developing Vaccines/Antivirals Over Time

- Increasing number of vaccines and antivirals in development
- Need for new and improved vaccines & treatments
- Increased awareness of the value of HCTs
- Tighter funding environment increases HCT need



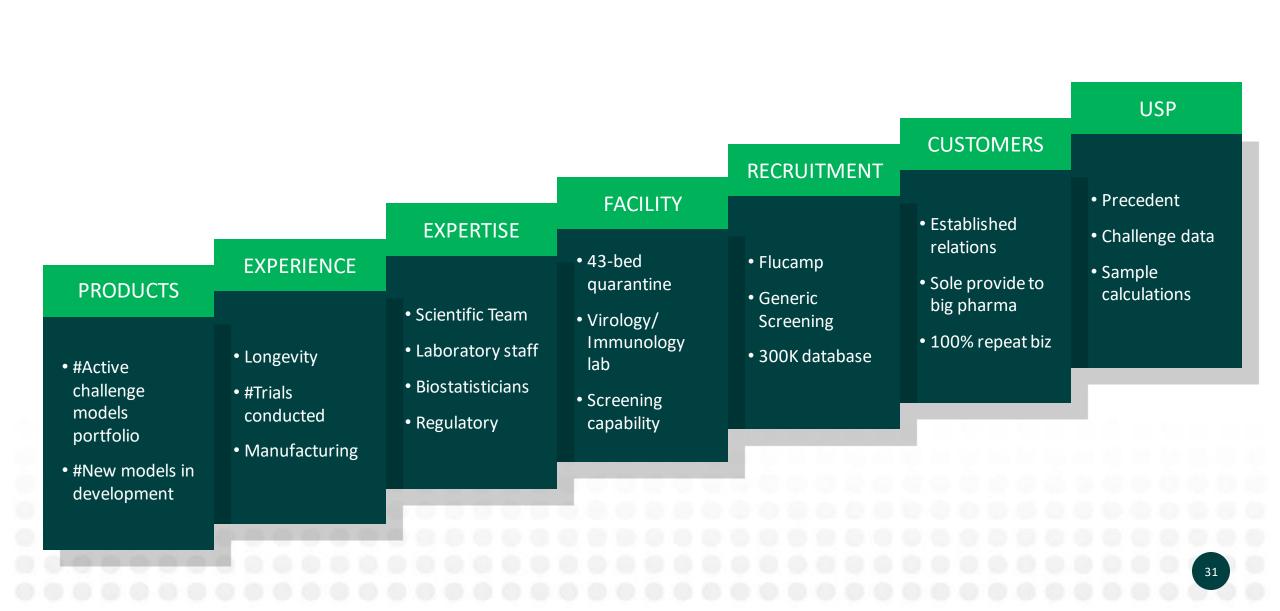
Active Challenge Studies over Time (academic & commercial)



Registered Unregistered

Source: MCSI, Informa (Mar 2022)

Significant Barriers to Entry



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Benefits of Human Challenge Trials





Environmental, Social, Governance



hVIVO ESG Group established in 2023 for initiating, progressing, and monitoring our ESG objectives

Canary Wharf have a strong focus on ESG and will help us to reach our goals for improving and enhancing or corporate social responsibility

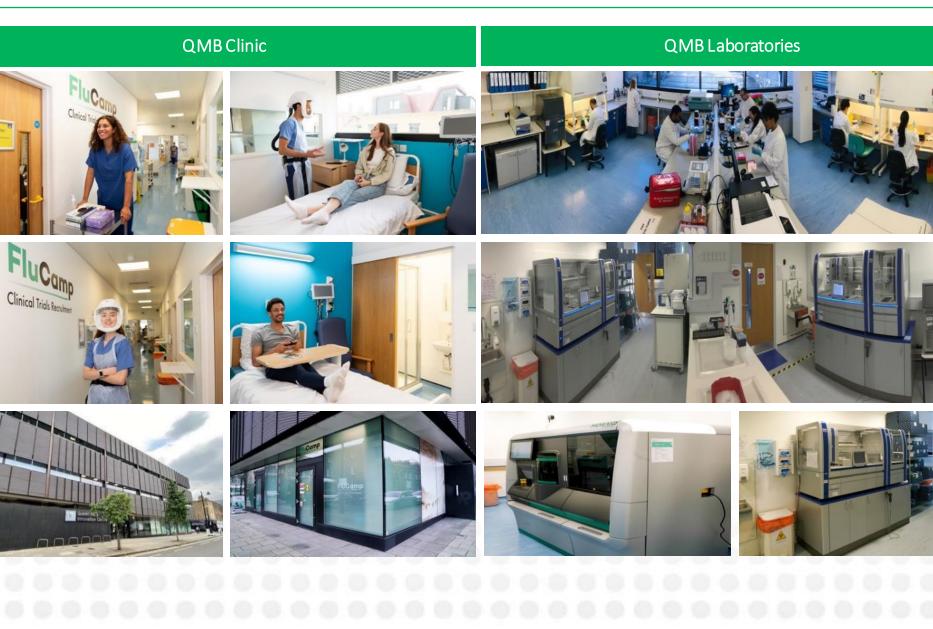


Canary Wharf ESG



Facilities Overview





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Facilities Overview



Whitechapel Clinic and Screening Centre





FluCamp







Manchester Screening Centre

FluCamp





Plumbers' Row Corporate Office & Screening Facility











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