

Meet GSK management Getting ahead of infectious diseases

Interactive event for investors and analysts. This webinar is being recorded.



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A number of adjusted measures are used to report the performance of our business, which are non-IFRS measures. These measures are defined and reconciliations to the nearest IFRS measure are available in the Q1 2023 earnings release and Annual Report on Form 20-F for FY 2022.

All guidance, outlooks, ambitions and expectations should be read together with the Guidance, assumptions and cautionary statements in GSK's Q1 2023 earnings release and the 2022 Annual Report.

Basis of preparation: GSK satisfied the formal criteria according to IFRS 5 for treating Consumer Healthcare as a 'Discontinued operation' effective from 30 June 2022. On 18 July 2022, GSK plc separated its Consumer Healthcare business from the GSK Group to form Haleon, an independent listed company. Comparative figures have been restated on a consistent basis. Earnings per share, Adjusted earnings per share and Dividends per share have been adjusted to reflect the GSK Share Consolidation on 18 July 2022.



Speakers



Emma Walmsley
Chief Executive Officer



Dr Tony WoodChief Scientific Officer



Luke Miels
Chief Commercial Officer



Dr Phil Dormitzer SVP, Global Head, Vaccines R&D



Christi Kelsey SVP, Global Head, Vaccines Commercial



Dr Kumaran Vadivelu
Head of Vaccines
Development, R&D



Rob Bowers
Head of General
Medicines, Commercial



Chris Corsico SVP, Development, R&D



James Greenhalgh SVP, Specialty Care, Commercial



Lizzie ChampionVP, *Shingrix*, Vaccines
Commercial



Deborah Waterhouse CEO, ViiV Healthcare and President, Global Health, GSK



Dr Thomas BreuerChief Global Health Officer



Agenda

Getting ahead of infectious disease

Emma Walmsley

World leader in infectious diseases R&D

Dr Tony Wood

Delivering profitable growth to 2026 and beyond

Luke Miels

Breakout sessions



Breakout 1: Seasonal respiratory viruses
Dr Phil Dormitzer and Christi Kelsey



Breakout 2: Bacterial and fungal infections
Dr Kumaran Vadivelu and Rob Bowers



Breakout 3: Chronic viral infections
Chris Corsico, Lizzie Champion and James Greenhalgh



Breakout 4: Delivering health impact at scale Deborah Waterhouse and Dr Thomas Breuer

Q&A

Tony Wood, Luke Miels, Deborah Waterhouse



Getting ahead of infectious disease

Emma Walmsley, Chief Executive Officer



A focused global biopharma company with strong momentum and big ambitions

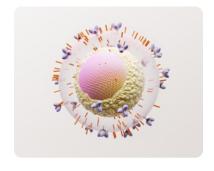
- Unique strategy focused on prevention and treatment of disease
- World leader in infectious diseases with an attractive broader pipeline based on the science of the immune system and advanced technology
- Competitive medium-term sales and profit outlook supported by landmark 2022 and continued momentum
- Confident in ability to sustain profitable growth through decade and beyond to deliver human health impact at scale

Meet GSK management series 2023

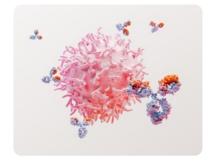
Three virtual events highlighting GSK's growth prospects and expertise in preventing and treating disease







HIV



Immunology/
respiratory

Potential first- or best-in-class vaccines and medicines that offer potential future sales and profitable growth in targeted and attractive market opportunities at scale



Uniting science, technology and talent to get ahead of disease together

Infectious disease vaccine pipeline

44

Sales from infectious diseases¹

£16bn

World leader in infectious diseases

- For more than 70 years, GSK has pioneered novel research methods and technologies to help protect people from infectious diseases caused by bacteria, viruses and parasites
- Broadest portfolio in the industry and market-leading in multiple categories, e.g. shingles, meningitis, and paediatrics
- Leading biopharma company in total adult immunisation schedule with current best-in-class shingles and RSV vaccines
- World-class manufacturing, regulatory and technical expertise that create high barriers to entry
- Increasing synergies in preventing infectious disease and treating chronic conditions

Focused on earlier intervention and prevention

- Earlier intervention and prevention, and vaccination across all gaes can change the course of disease and prevent serious complications.
- Investment in prevention will benefit patients, society, and global economies, potentially reducing the \$1 trillion lost each year in productivity by the G20 due to preventable conditions

Delivering health impact at scale

• Infectious disease portfolio will reach around half of the more than 2.5 billion people we will reach this decade

Significant societal burden leading to 1 in 6 deaths or further health complications for patients

- Approximately 330,000 older adults are hospitalised globally each year with RSV²
- 1 in 3 people will develop shingles in their lifetime⁸, sometimes with serious consequences such as long-term nerve pain and vision loss³
- Seasonal influenza infects between 3-11% of people⁴ causing a significant loss in economic productivity
- There are approximately 300 million people with chronic hepatitis B, and around 900,000 deaths from liver disease-related consequences⁵
- Anti-microbial resistance is a top-10 public health threat and caused approximately 1.3 million deaths in 2019⁶

Infectious disease market expected to grow to £105⁷ billion by 2028, potentially delivering resilient revenues, high margins, and profitable growth for GSK



1. Full-year 2022 sales, including vaccines, HIV, Xevudy and pandemic vaccines 2. PubMed. Global Disease Burden Estimates of Respiratory Syncytial Virus-Associated Acute Respiratory Infection in Older Adults in 2015: A Systematic Review and Meta-Analysis. Accessed June 2023. Available at: https://pubmed.ncbi.nlm.nih.gov/30880339/ 3. Centers for Disease Control and Prevention. About Shingles (Herpes Zoster). Accessed June 2023. Available at: https://www.cdc.gov/shingles/about/index.htm 4. Centers for Disease Control and Prevention. Key Facts About Influenza (Flu). Accessed June 2023. Available at: https://www.cdc.gov/flu/about/keyfacts.htm 5. World Health Organization. Hepatitis B. Accessed June 2023. Available at: https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)02724-0/fulltext 7. EvaluatePharma, May 2023 8. Harpaz R et al. Advisory Committee on Immunization Practices (ACIP), Centers for Disease Control and Prevention (CDC). Prevention of herpes zoster: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR Recomm Rep. 2008;57(RR-5):1-30

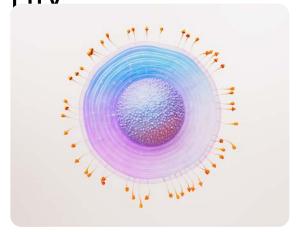
World leader in infectious diseases R&D

Dr Tony Wood, Chief Scientific Officer



Four focused therapeutic areas

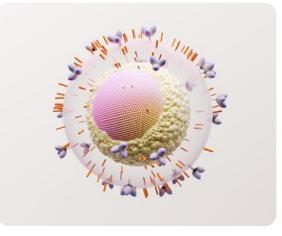
Two thirds of our development portfolio comes from infectious diseases and HIV



Infectious diseases

Shingrix
Arexvy¹
MenABCWY
bepirovirsen
Brexafemme
gepotidacin
tebipenem
Pneumococcal 24-valent
mRNA influenza
Herpes simplex virus

gonorrhoea



HIV

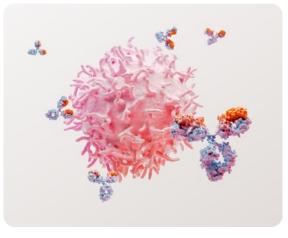
Long-acting and ultra-long acting

Apretude²

N6LS (bNAb³)

3rd generation INSTI⁴

Capsid inhibitor



Immunology/respiratory

depemokimab *Nucala* (COPD⁵) GSK4532990 (NASH⁶) camlipixant



Oncology

momelotinib

Jemperli

cobolimab

CD226 axis

Advanced technology and data platforms with targeted business development





Uniting science, technology and talent to get ahead of disease together

Execution

Focus on pipeline acceleration and complementary business development (assets and platforms) to deliver innovative vaccines and medicines

Technology

Using platform and data technology to deliver scale innovative vaccines and medicines better and faster

Culture

Building a culture that is ambitious for patients; attracting top talent, partners, and highly skilled scientists



Infectious diseases

A significant and growing burden to patients and society

Seasonal respiratory viruses Bacterial and fungal infections Chronic viral infections

Respiratory syncytial virus

Meningococcal disease ~2.5 million

people infected annually4

Herpes zoster virus (shingles)

~1 million

people in the US infected annually⁷

~330k

annual older adult hospitalisations¹

Pneumococcal disease

~1 million

globally deaths annually⁵

>300 million

people living with HBV⁸

Hepatitis B virus

Influenza

~1 billion

people infected annually²

SARS-CoV-2

>750 million

confirmed cases worldwide³

Urinary tract infections

~15 million

episodes in the US annually⁶

Herpes simplex virus

~500 million

people living with HSV29

Ambition to transform the prevention and treatment of infectious diseases for billions of people



1. PubMed. Global Disease Burden Estimates of Respiratory Syncytial Virus-Associated Acute Respiratory Infection in Older Adults in 2015: A Systematic Review and Meta-Analysis. Accessed June 2023. Available at: https://pubmed.ncbi.nlm.nih.gov/30880339/ 2. World Health Organization. WHO launches new global influenza strategy. Accessed June 2023. Available at: https://www.who.int/news/item/11-03-2019-who-launches-new-global-influenza-strategy
3. World Health Organization. WHO Coronavirus (COVID-19) Dashboard. Accessed June 2023. Available at: https://covid19.who.int/ 4. World Health Organization. TPP for rapid test for meningitis surveillance and outbreak detection - public consultation. Accessed June 2023. Available at: https://www.who.int/news-room/articles-detail/tpp-for-rapid-test-for-meningitis-surveillance-and-outbreak-detection---public-consultation 5. WHO. Accessed June 2023: https://www.who.int/teams/health-product-policy-and-standards/standard specifications/vaccine-standardization/pneumSdisease 6. Butler 2015, Foxman, Nippon 2016, Sanchez 2014, Harada et al. 2012; Maasaka et al. 2016; Wong 2017, Lui 2017, GSK quantitative market research 2019, Worldbank Population Data 2019, EU5 scaled on basis of Germany 7. Centers for Disease Control and Prevention. Shingles (Herpes Zoster). Accessed June 2023. Available at: https://www.cdc.gov/shingles/index.html 8. World Health Organization. Hepatitis B. Accessed June 2023. Available at: https://www.who.int/news-room/fact-sheets/detail/hepatitis-b 9. James C, et al. Bulletin WHO 2020;98:315–29

World leader in infectious diseases

Uniting science, technology and talent to get ahead of disease together

A long history of innovation leadership, with significant ambitions for growth

Infectious disease development

>70 years

New launches since 2000

>15

Pivotal trial data readouts 2023 to 2031

~22

New launches 2023 to 2031

~25

- Pioneer of novel research methods and technologies to help protect people from infectious diseases caused by bacteria, viruses and parasites
- Broadest portfolio in the industry and market leading in multiple categories, e.g. shingles, meningitis, and paediatrics
- 90% of the vaccines portfolio offers >90% efficacy
- Poised to lead in total adult immunisation schedule with current best-in-class shingles and RSV vaccines
- World-class manufacturing, regulatory and technical expertise creating high barriers to entry
- £1 billion investment in R&D to get ahead of infectious diseases in lower income countries
- Ambition is to transform the prevention and treatment of infectious diseases for billions of people given the significant and growing burden to patients and society

Seasonal respiratory viruses



Bacterial and fungal infections



Chronic viral infections



Delivering health impact at scale





World-leading infectious diseases portfolio

Addressing a significant global health burden for society



Recent pipeline developments

Arexvy (RSV, older adult)

- First company to receive approval (US, EU)
- Second season RSV data
- Additional flu co-admin data, 50-59 high-risk adults phase III data and further regulatory decisions (JP) anticipated in H2 2023

MenABCWY

- Phase III primary endpoints met; only 5-in-1 vaccine to demonstrate immunological effectiveness against 110 diverse MenB invasive strains
- Preliminary phase III data presented at European Society for Paediatric Infectious Diseases

Gepotidacin

- Potential to be the first new antibiotic class for uUTIs in over 20 years
- Positive phase III data presented at European Society of Clinical Microbiology and Infectious Diseases



Delivering the next wave of vaccines to address infectious disease

First or best-in-class opportunities in Phase I or Phase II clinical development



GSK3943104 for herpes simplex virus

- Leverages knowledge and expertise from herpes varicella zoster virus
- ~500 million people across the world are infected with herpes simplex virus or HSV
- 1/3 of patients with genital herpes suffer frequent outbreaks. Beyond the physical outbreaks, genital herpes is also associated with significant psychological morbidity, stigma, low quality of life and a three-fold increase in the risk of acquiring HIV
- Opportunity to transform genital herpes management by providing a superior, long-acting and simple treatment option



GSK4348413 for Neisseria gonorrhoeae

- In clinical development to prevent Neisseria
 gonorrhoeae infections in individuals ≥16 years,
 regardless of previous infection history
- Neisseria gonorrhoeae is a common sexually transmitted infection with more than half of cases occurring among young people aged 15-24 years of age
- Untreated gonorrhoea can result in chronic pain, lifethreatening ectopic pregnancy and infertility and can increase the risk of getting and transmitting HIV in both women and men. An estimated 82 million new gonococcal infections occurred worldwide in 2020¹
- This asset has been granted Fast Track Designation by the US FDA underlying the pressing medical need



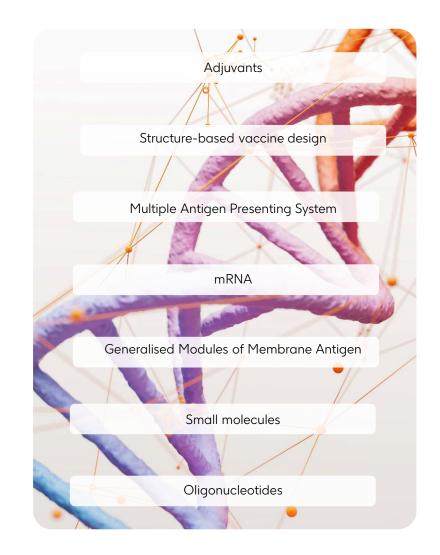
Leading suite of platform technologies across vaccines and medicines

Unlocking the potential to go beyond existing modalities

Breadth of platform technologies provides options for future vaccines and medicines with increasing platform synergy

Select examples

- **Next wave adjuvant:** could deliver similar potency and decreased reactogenicity to unlock new prophylactic and therapeutic fields
- mRNA: potential to be applied across a number of diseases; currently evaluating secondgeneration mRNA backbone, developed with CureVac. Positive phase I trial featuring modified mRNA monovalent vaccine candidates targeting COVID-19 and flu
- Multiple Antigen Presenting System (MAPS): novel and highly efficient vaccine technology platform that combines polysaccharides and proteins, potentially enables broader coverage and generating higher antibody responses – phase II 24 valent and preclinical 30-plus valent pneumococcal vaccine candidate
- Oligonucleotides: bepirovirsen, an anti-sense oligonucleotide, is designed to recognise HBV DNA. Wave Life Sciences PRISM oligonucleotide platform includes the in-licensing of novel RNA-editing oligonucleotides
- Protein engineering: for multiple auto-immune diseases that are advancing through preclinical phases





A new technology era advancing human biological science

AI/ML is characterising disease and accelerating the discovery of novel medicines

Discovery and preclinical

>80%

Preclinical targets have genetic evidence

 >40 joint research projects through 23andMe

- Large-scale foundational datasets to improve target validation and translation
- Computational biology to support the positioning of bi-specifics

Clinical development

75%

Clinical development targets have genetic evidence

- Computational biology and deep phenotyping to identify predictive biomarkers for patient selection and indication expansion
- Predictive biomarkers are defining the right patient population and improving clinical success rates by up to 5x
- Real-world evidence-matching e-records and deep phenotype data for clinical trial design

Using machine learning generating deep insights for bepirovirsen

- Machine learning models are identifying patient profiles that are indicative of clinical and biological trajectories
- Proprietary algorithms are predicting future response for bepirovirsen
- Uncovered five distinct patient subtypes in response to bepirovirsen treatment, including a subtype enriched for responders and a mixed response subtype
- Nearly doubled precision in patient response trajectory prediction versus traditional virological marker HBsAg
- Status: published positive B-Clear phase IIb results. Started B-Well 1 and B-Well 2 phase III trials in Q1 2023. B-Together phase IIb data readout H2 2023



Science and technology hold the key to transforming medical discovery

Continued pipeline productivity improvements are delivering new treatments

Success rates¹ in phase II have improved to median with phase III and registration upper quartile

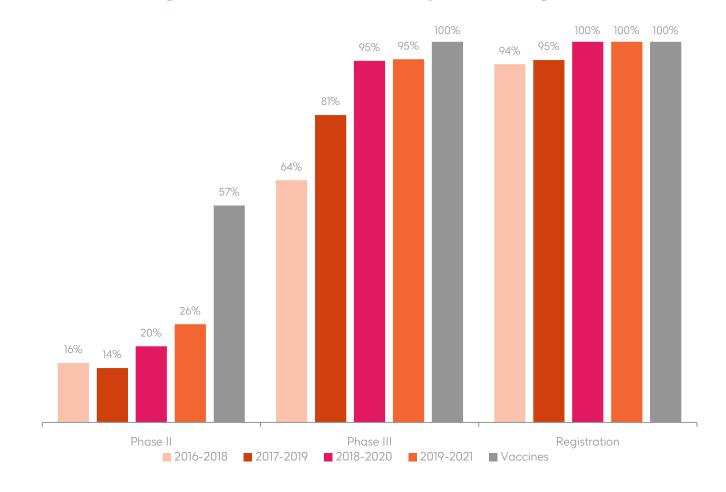
End to end cycle times have improved by 20% compared to industry median since 2016 helped by vaccines performance

End to end cycle times have decreased by

3.7 years

- Vaccine cycle times are faster, and success rates higher relative to the pharmaceutical industry benchmark
- Overall performance has been improving over the years on a background of increasing industry cycle times and has now surpassed the three-year rolling industry average (GSK 9.6 years versus industry 11.4 years)

R&D late-stage success rates, three-year rolling trend





Delivering profitable growth to 2026 and beyond

Luke Miels, Chief Commercial Officer



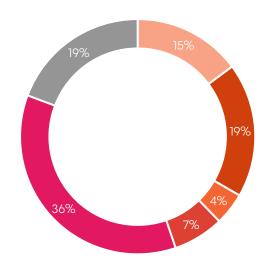
Delivering double-digit growth

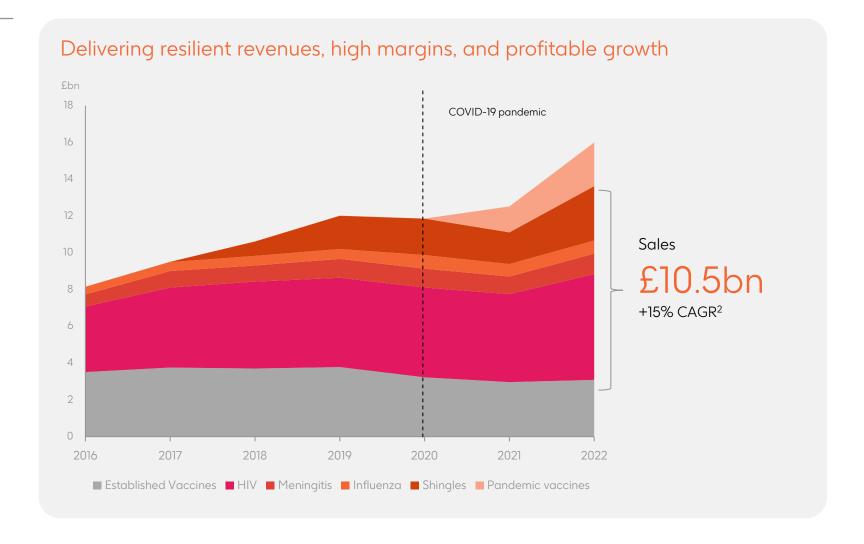
Infectious diseases represented more than 50% of full-year 2022 sales

Sales from infectious diseases¹

£16bn

+12% CAGR²







Infectious disease is an attractive and growing market

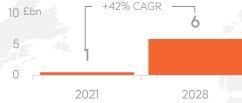
A significant and growing burden to patients and society

Market size by 2028

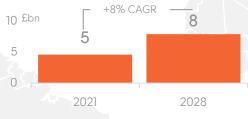
£105bn

Seasonal respiratory viruses

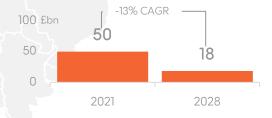
Respiratory syncytial virus



Influenza

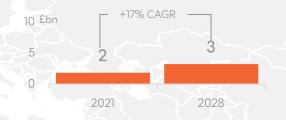


SARS-CoV-2

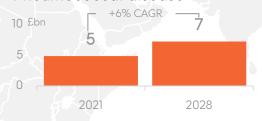


Bacterial and fungal infections

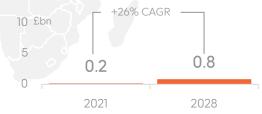
Meningococcal disease



Pneumococcal disease

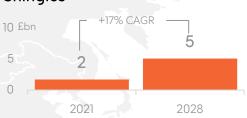


Urinary tract infections

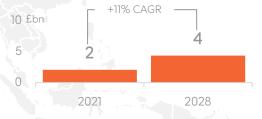


Chronic viral infections





Chronic hepatitis B



Human immunodeficiency virus





Source: EvaluatePharma, May 2023

Transformed commercial capabilities

Building blockbuster treatments in infectious diseases

Delivering competitive launches and driving mid-cycle growth

- Improved sales force effectiveness across key markets, including China
- Deployed digital and predictive analytics to further enhance outcomes

Shingrix

 Large population of unvaccinated individuals remains. Now launched in 31 of markets that represent ~90% of the vaccine market by value

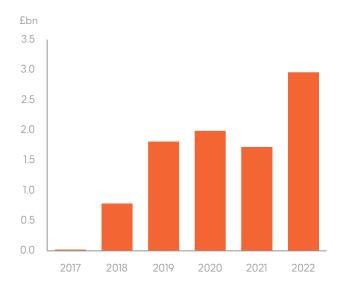
Meningitis

 Increased focus on educating physicians and parents about the devastating impact of Men B and the strong protection they can expect from our vaccine, supported by newly available realworld evidence.

Shingrix sales

£3.0bn

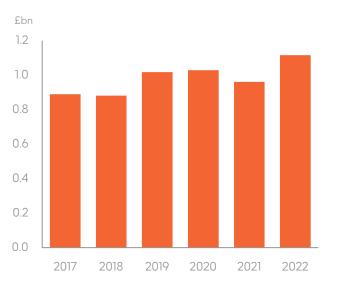
+72% AER, +60% CER



Meningitis sales

£1.1bn

+16% AER, +11% CER





Commitment to growth

GSK on track to deliver profitable growth to 2026 and through the decade

Seasonal respiratory viruses

Respiratory syncytial virus¹

>£3bn

in peak year sales²

Bacterial and fungal infections

Meningococcal disease⁴

£1-2bn

in peak year sales²

Chronic viral infections

Herpes zoster (shingles)⁷

~£4bn

in peak year sales²

Influenza³

>£3bn

in peak year sales²

New opportunities

Pneumococcal disease⁵

>£4bn

in peak year sales²

Anti-infectives⁶

~£2bn

in peak year sales²

Hepatitis B virus⁸

>£2bn

in peak year sales²

What's next...

Respiratory syncytial virus

 Additional flu co-admin data, 50-59 high-risk adults phase III data and further regulatory decisions (JP) in H2 2023

Influenza

 Phase I/II trial for multivalent vaccine candidates underway. Phase III data 2025+. Combination lifecycle management strategy

Meningococcal disease

 MenABCWY 2nd gen phase II data H2 2023.
 Pentavalent MenABCWY adolescents regulatory submission (US) in 2024. Pentavalent MenABCWY infants regulatory submission in 2025+

Pneumococcal disease

 24-valent adult phase III start in 2024. Phase III data 2025+. Paediatrics launch before the end of the decade. 30-plus valent adult advanced to the clinic in 2024

Anti-infectives

- Preparing US and EU regulatory submissions for gepotidicin
- Start phase III trial in 2023 for tebipenem
- Relaunch Brexafemme for VVC and rVVC in US

Herpes zoster (shingles)

 Multi-billion sales through the decade; global expansion, incl. China; Life-cycle management opportunities (population expansion, booster, dementia)

Hepatitis B virus

- B-Together phase IIb data H2 2023
- B-WELL phase III data 2025+



World leader in infectious diseases delivering profitable growth to 2026 and through the decade

- Broadest portfolio in the industry with market leading in multiple categories, e.g. shingles, meningitis, and paediatrics
- 90% of the vaccines portfolio offers >90% efficacy
- Poised to lead in total adult immunisation schedule with current best-in-class shingles and RSV vaccines
- Vaccinate 40% of the world's children and helped drive the adult vaccine market with ground-breaking shingles vaccine
- World-class manufacturing, regulatory and technical expertise creating high barriers to entry
- Ambition is to transform the prevention and treatment of infectious diseases for billions of people given the significant and growing burden to patients and society

Infectious disease market growing to £105 billion by 2028

Infectious disease sales¹ full-year 2022

£16bn

Pivotal trial data readouts 2023+

~22

New launches 2023+

~25

Potentially delivering resilient revenues, high margins, and profitable growth for GSK

Getting ahead of infectious diseases with GSK management

Four Q&A-focused, virtual breakout sessions

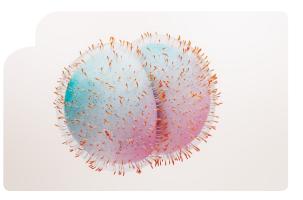




Session 1: 14:30-15:00 BST Session 2: 15:15-15:45 BST

> Phil Dormitzer Christi Kelsey Luke Miels

IR: jeffrey.r.mclaughlin@gsk.com



Bacterial and fungal infections

Session 1: 14:30-15:00 BST Session 2: 15:15-15:45 BST

Kumaran Vadivelu Rob Bowers David Redfern

IR: joshua.x.williams@gsk.com



Chronic viral infections

Session 1: 14:30-15:00 BST Session 2: 15:15-15:45 BST

Chris Corsico Lizzie Champion James Greenhalgh Tony Wood

IR: mick.j.readey@gsk.com



Delivering health impact at scale

Session 1: 14:30-15:00 BST Session 2: 15:15-15:45 BST

Deborah Waterhouse Thomas Breuer

IR: frances.p.defranco@gsk.com



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