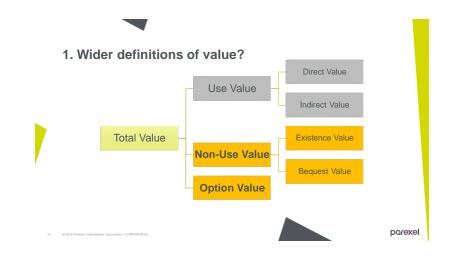


# What potential does the SUBSCRIPTION MODEL offer HTA/ NHS?

- 1. Wider definitions of value (more relevant to decision-making)?
- 2. Wider scope for budgetary management?
- 3. Price reductions (commensurate with the value assessment)?
- 4. Flexibility to achieve market access agreement?





# 2. Wider scope for budgetary management?

- > Subscription model used as a financially-based contractual agreement: a fixed fee
- > Directly seeks to manage r.h.s of equation (through explicit agreement)
- > PRICE x VOLUME = BUDGET IMPACT
- > More 'flexible'/ vague on l.h.s of equation still may not be 'fully independent' of volume
- > Essentially a type of 'budget cap' agreement
- > Potential for all the well-rehearsed advantages: smooth, predictable affordability etc.
- **> BUT**.....How to set the fixed fee?
- > Related to concept of value: cost-effectiveness?
- > Still need estimates of PRICE (even if this varies by VOLUME)
- > Good epidemiology data may be pivotal
- Competitive tendering for contracts

## 3. Price reductions?

- > Potential that a subscription model is just a 'bigger deal'
- Larger patient coverage
- Multi-faceted
- Multi-year
- Leverage <u>purchasing power</u> to ensure better 'unit price' is achieved vs. other contractually arrangements
- > Scope for 'bundling' portfolio-based contracts
- > Economies of scale?
- > Cross-subsidy of products within a 'bundle'?



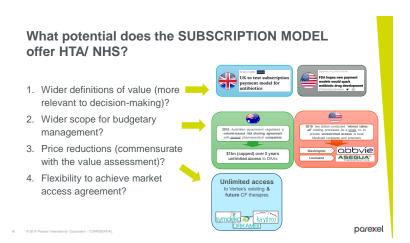
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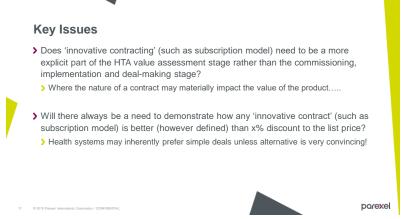
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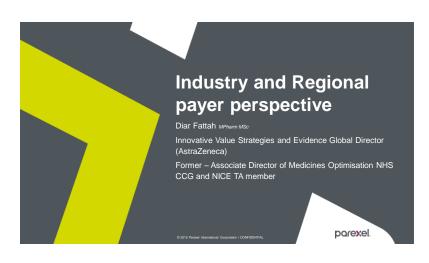
# 4. Flexibility to achieve market access agreement?

- A subscription model (under the right circumstances) potentially offers a mutually agreeable pricing & market access solution where otherwise this can not be reached:
- > Why?
- > Is it addressing a market failure, lack of incentives in given areas based on low volume?
- > Is it offering more certain budget management by agreeing a fixed-fee for a given period?
- Is it driving down unit price(s) by raising the stakes of the deal?
- > Subscription model is not only a 'fad' since much of what it might offer has always been an inherent part of contracts....









## **Disclaimer**

- > The views expressed in this presentation and the subsequent slides are soley those of the presenter and are not necessarily those of AstraZeneca.
- > AstraZeneca does not guarantee the accuracy or reliability of the information provided.

**Objectives** 

- 1. Industry Perspective
- 2. Regional Payer Perspective
- 3. Is it really a win for all?

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## Industry

- > Promote patient access
- > Affordability vs cost effectiveness
- > Trend towards multiple indication products being manufactured e.g. Lynparza, Humira.
  - > Each indication requires resources for HTA preparation
  - > Variation in value between indications
  - > Launch sequencing delays = bad for patients!
- Incentivises previously commercial unattractive clinical areas e.g. antibiotics (NHS example)
- > Critical to have access to accurate epi data

# Netflix for Antibiotics - NHS/NICE July 2019

- > Volume to Value reimbursement
- Upfront payment even if volume not used
- ➤ Encourages R+D and manufacturing in previously commercially non-viable areas

News story

# Development of new antibiotics encouraged with new pharmaceutical payment system

The NHS will test the world's first 'subscription' style payment model to incentivise pharmaceutical companies to develop new drugs for resistant infections.

Published 9 July 2019 From: Department of Health and Social Care

Health Secretary Matt Hancock "Today we are sending a strong signal to the rest of the world that there are workable models to stimulate investment in these vital medicines"

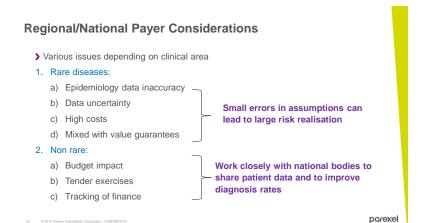
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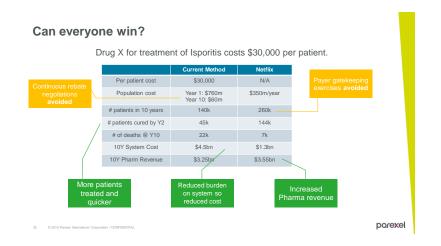
# Regional/National Payer

- Incentive to treat more patients but what about medical care costs e.g. hospital time?
- > High budget impact need to prepare to fulfil contract length
- > Slow uptake of disruptive technology if "locked" into long term contract
- > If long term outcomes not realised poor investment but already tied into contract
- > How does accounting/finance deal with this?
  - > Will national subtract a set % from all regional budgets?
  - > Will regions with higher prevalence pay more from their budget?



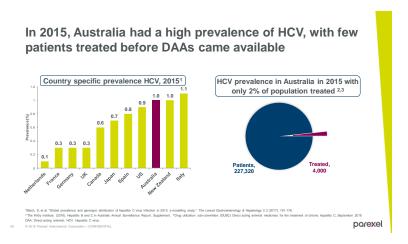
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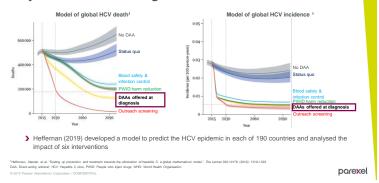




### Hepatitis C is the most common cause that can lead to liver cirrhosis and transplantation Hepatitis C is a type of liver inflammation caused by a virus Chronic infection with the virus may lead to severe health complications, including irreversible scarring on the liver (cirrhosis) and cancer of the liver Primary Cirrhosis of the liver 15-20% infection route: asymptomatic IV drug use for many years acute infection inflammation of the liver cancer of the liver 20% infections are self-limiting In developed countries ~1/3 pts undiagnosed Only ~50% diagnosed enter into primary care parexel



# Modelling indicates that DAAs offered at diagnosis may be very effective in reducing HCV disease burden



The Australian government came with a unique scheme to address the HCV burden in Australia...



Australia became the first in the world to publicly subsidise HCV treatment (DAAs) with a capped cost of over AU \$1bn over 5 years

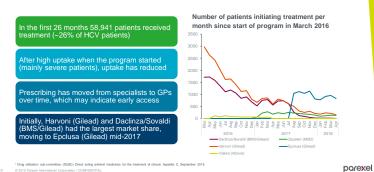
Treatment is available to all patients diagnosed with HCV, within TGA indication

Treatment can be provided by various healthcare providers (e.g. GPs)

Estimated number of patients treated 61,500 for a price per patient of AU\$16,260

Guaranteed revenue for pharma over 5 years (no details on how money distributed to pharma)

# ... which has resulted in high initial uptake of DAAs ...



# ... and substantial savings for the government, and lower treatment cost than using discounting in Germany



# The Australian subscription model has effectively expanded access to HCV whilst managing expenditure

- > This example in Australia demonstrates that this new subscription model can work in certain circumstances
- > Requires synergy with other initiatives to maximise benefits
- The uptake has slowed down after the first year, which may indicate that hard-to reach populations may not be reached without further efforts
- ) Of note, all pharma companies have opted into the scheme

Willingness to act from multiple stakeholders and pharma companies Step change in High economic treatments with and societal high cure rates costs in remaining with the status quo

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### Panel discussion and Q&A



#### Richard Macaulay Senior Director, Pricing & Market Access,



#### **Paul Miller**

Ex-NICE Appraisal Committee member Currently Founder and Health Economist,



# Ex-Associate Director of Medicines Optimisation NHS DGS & Swale CCGs Currently Global Director, Innovative Value Strategies & Evidence, AstraZeneca

Erika Turkstra

Diar Fattah

Ex-PBAC reviewer Currently Senior Consultant, Pricing & Market Access, Parexel International

### Introduction to the subscription model for reimbursement

UK National HTA perspective

Industry & Local payer perspective

Australian national payer perspective

On the opportunities and challenges associated with the subscriptionbased pricing model

Each panelist will speak for 10 minutes and this will be followed by a 20-minute panel discussion, and 10 minutes of Q&A

from the audience

