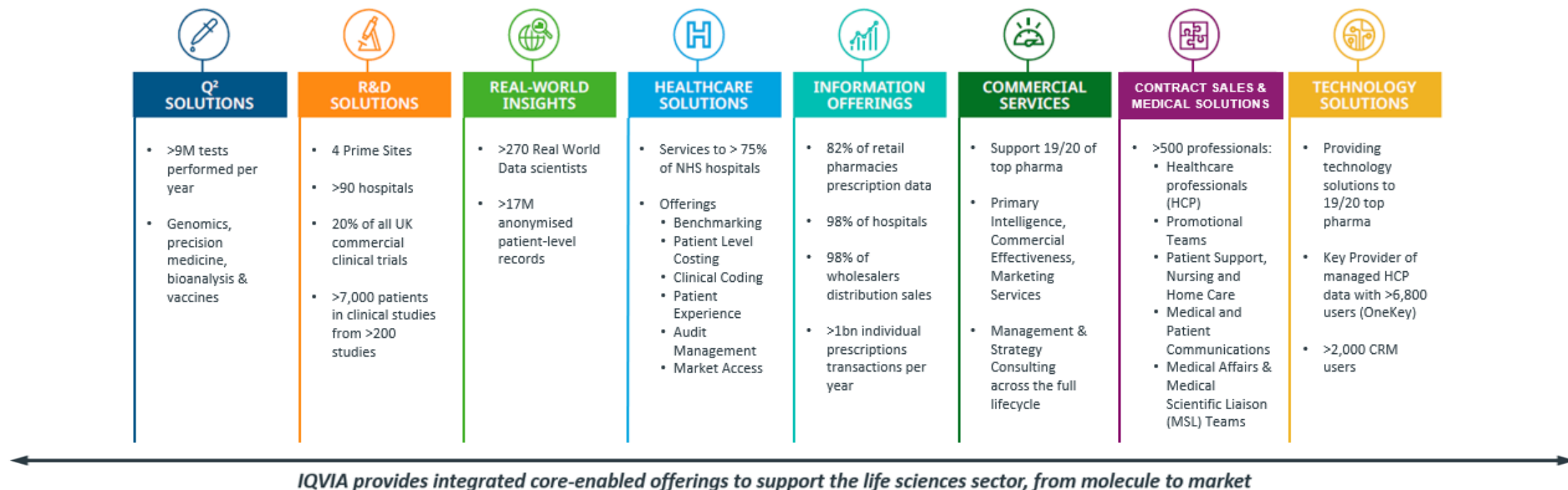


Life after Brexit-UK Life Sciences as a global power house

Angela McFarlane
Market Development Director

September 2019

We support the Life Sciences across 8 key areas in the UK



IQVIA CORE™

Experience our difference. Experience the IQVIA CORE™

Almost everything we do in Human Data Science is powered by the IQVIA CORE. This holistic approach allows us to generate unique perspectives that we use to create solutions for our customers. By infusing the CORE into everything we do, we can help our customers rethink approaches to clinical development and commercialization, reframe old challenges into new opportunities, and reimagine what's possible.

Learn more about how the components of the IQVIA CORE come together to channel the insights, commercial and scientific depth, and executional expertise that drive maximum value for our customers.

Through IQVIA CORE and our strategic collaborations with the NHS and life sciences, we are committed to bring UK Healthcare forward.



Domain Expertise

4,000 employees; 4th largest Life Sciences employer in the UK
100+ Medical Doctors & PhD's, 400+ Masters degrees

Transformative Technology

Leading CRM provider for Life Sciences, Real World Technology platform E360™

Unparalleled Data

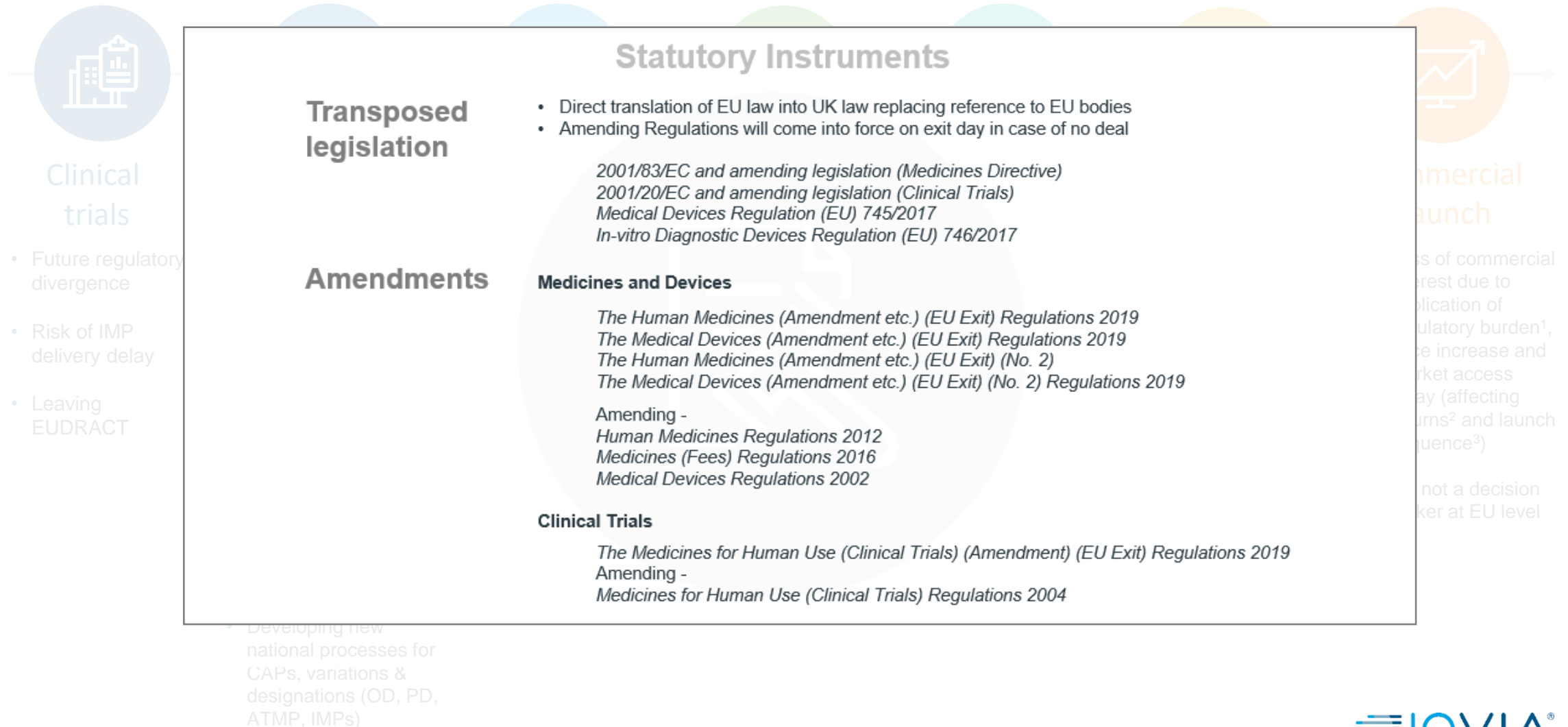
98% hospital Rx data, 82% retail Rx data, 16M patient lives through Medical Research Data

Advanced Analytics

Real World Evidence, Analytics Center of Excellence and advanced analytics hubs powered by advanced Machine Learning and Artificial Intelligence techniques

Brexit-Gearing to Attract Research and Launch medicines

EU Medicines & Clinical Trial Law translated into UK Law on Exit Day



Clinical Trials submissions portal live from Exit Day



Clinical trials

- Future regulatory divergence
- Risk of IMP delivery delay
- Leaving EUDRACT



CTs submissions

- National competency, **not impacted**
- **UK portal live by exit day**; as the new EU portal for the updated CTR
- EU and UK already accept data from multi-national trials

CTs transparency

- Transparency measures will be strengthened under the new EU Clinical Trials Regulation (CTR) 536/2014. This won't be incorporated into UK law but UK will **align where possible** without delay
- In the short term, UK will continue to use established international registers EudraCT (EU), ISRCTN (UK), ClinicalTrials.gov (USA)

CTs amendments

- CTs will need a **legal representative / sponsor in UK or approved country** (EU/EEA)
- **EU release site in addition to UK**, duplication of QP role
- Country on the approved country list (includes EU/EEA) can directly supply material to UK trials
- 1 year transition period: **MIA (IMP) Import authorisation required**, overseen by QP, substantial amendment

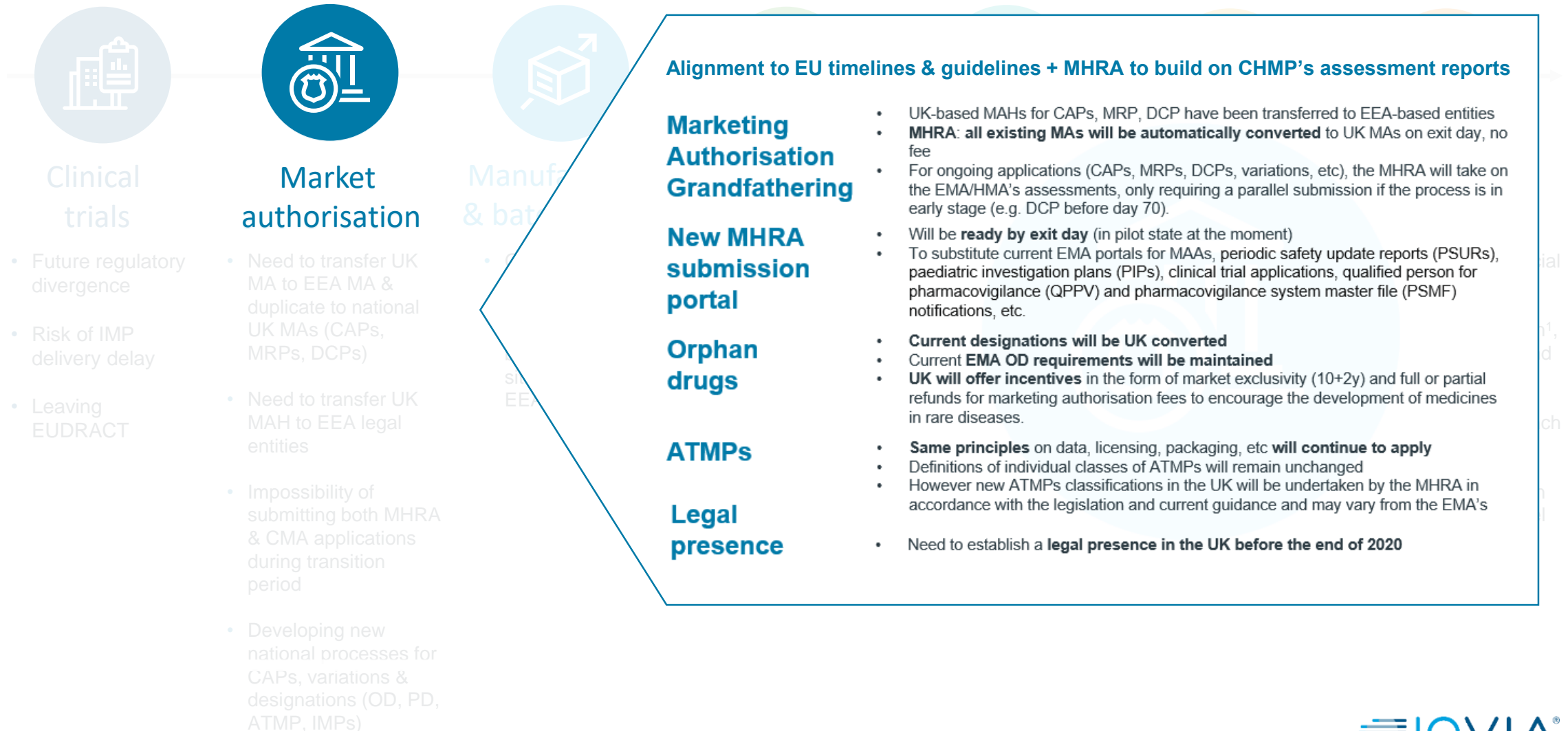
- New MAH entities
- Impossible submitting & CMA applying during transition period
- Developing new national processes for CAPs, variations & designations (OD, PD, ATMP, IMPs)



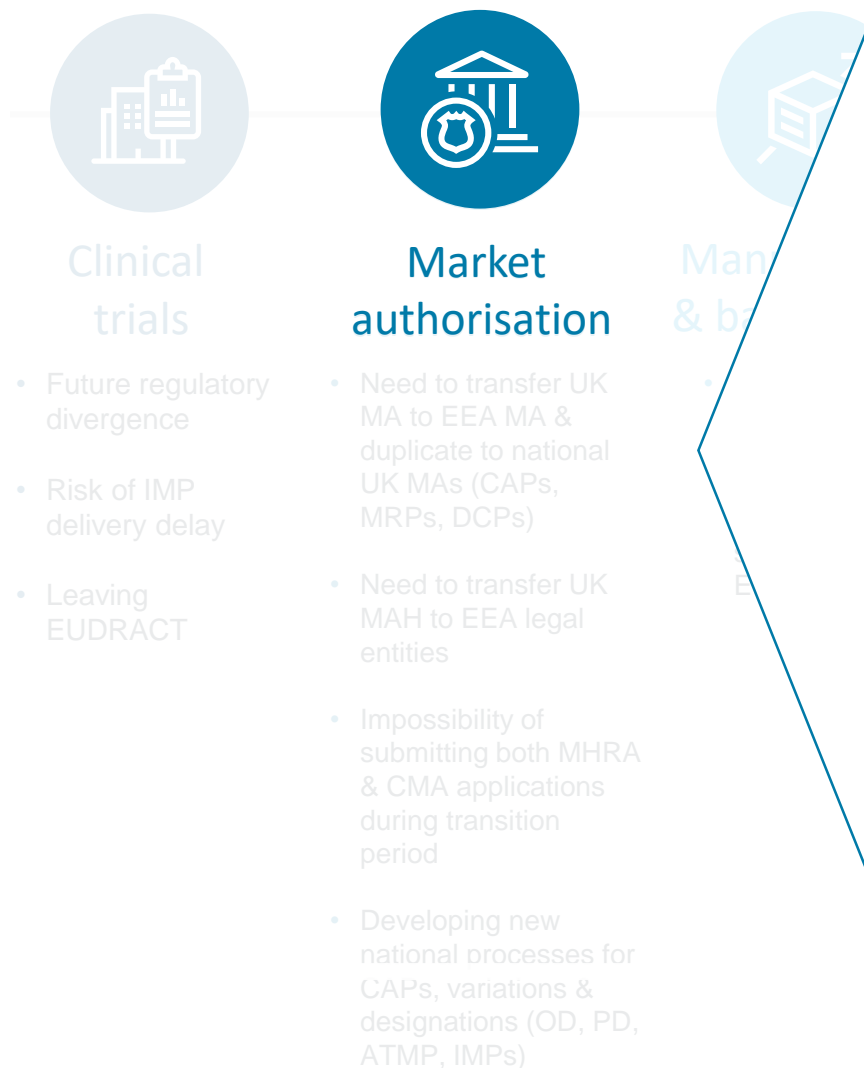
Commercial launch

- Loss of commercial interest due to duplication of regulatory burden¹, price increase and market access delay (affecting returns² and launch sequence³)
- UK not a decision maker at EU level

MHRA will take on all EMA assessments from Brexit day. Orphan designations will be UK converted. New incentives for RD indications



MHRA accelerated pathway-opinion in <150 days



An opportunity to accelerate the market access for innovative medicines

New fast track assessments

Accelerated Assessment Pathway

- Enhancing availability of novel medicines: New active substances, biologicals, orphans, conditional and exceptional circumstances
- MHRA opinion <150 days

Rolling Review pathway

- New route for MAA intended to enhance the development of novel medicines
- On-going regulatory input & feedback enabling; phased approach to evaluation
- Available for all products containing new active substances, including biologicals

Building on existing UK innovative initiatives

NICE National Institute for Health and Care Excellence

EAMS



Accelerated Access

MHRA Innovation Office



The regulatory advice service for regenerative medicine (RASRM)



The Government has identified and developed solutions to address the key risk areas for the Life Sciences

Medicines supply to UK & EU remains at significant risk

The Govt contingency plan has focused on 4 key areas

1. Securing alternative transport routes

- DHSC confirmed **medicines will be prioritised** at the borders
- DHSC has set up a **dedicated shipments channel** for medicines/devices in Belgium to secure a 3 day turn-around & **additional ferry capacity** for medicines (new routes will be Felixstowe, Poole, Plymouth, Portsmouth to Cuxhaven Germany, NL, Caen, Cherbourg, Brittany).
- The DHSC will secure an '**express freight service**' to transport small medical supplies within 24h.
- Additional plans are being put in place for a **freight capacity framework agreement** that will provide the ability to secure freight capacity for critical supply chains when required. Medical products will be prioritised.

The ask to industry is to secure additional transport capacity via any of the facilitated routes described above.



Distribution

- Supply chain delays: 90% of medicines in and out of UK go through the Port of Dover. If no deal is agreed, the Dover-Calais route could run at only 12-25% of normal capacity for up to six months
- New levies and custom tariffs
- Parallel export / import affected

2. Increasing product stocks

- The Government will continue **providing additional warehouse** space for stockpiled medicines, including ambient, refrigerated and controlled drug storage.

The ask to industry is to commit to a minimum of 6 weeks additional stock via private or Government-facilitated storage.

3. Addressing medicines shortages

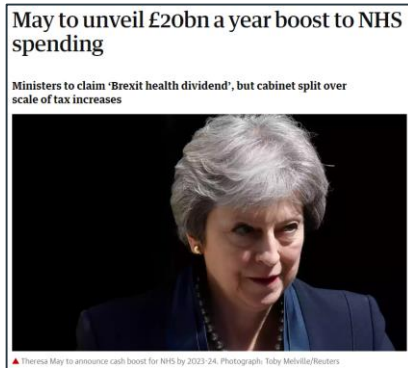
- A **National Supply and Disruption Response (NSDR)** unit will be set to enable **ministers to issue serious shortage protocols** to pharmacists.
- A serious shortage protocol (SSP) was agreed to give **pharmacists** additional powers to **alter prescriptions** in the event of a serious shortage of a particular medicine

4. Supporting trade readiness

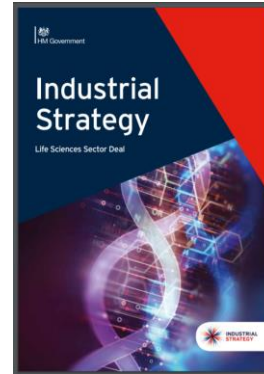
- The Govt is working with industry to improve trader readiness in preparation for the new customs procedures
- Further **clarification on regulatory requirements** will be communicated with industry via ABPI and webinars

designations (OD, PD, ATMP, IMPs)

BREXIT has been a catalyst for UK Government's to bring about policy change to improve the environment for Pharma, biotech and wider life sciences



- June 2018: Theresa May announces an extra £20bn a year for the NHS
- Life Sciences Industrial Strategy recommends UK spends to move into top quartile of OECD innovation uptake by 2025 (£1bn/yr uplift)

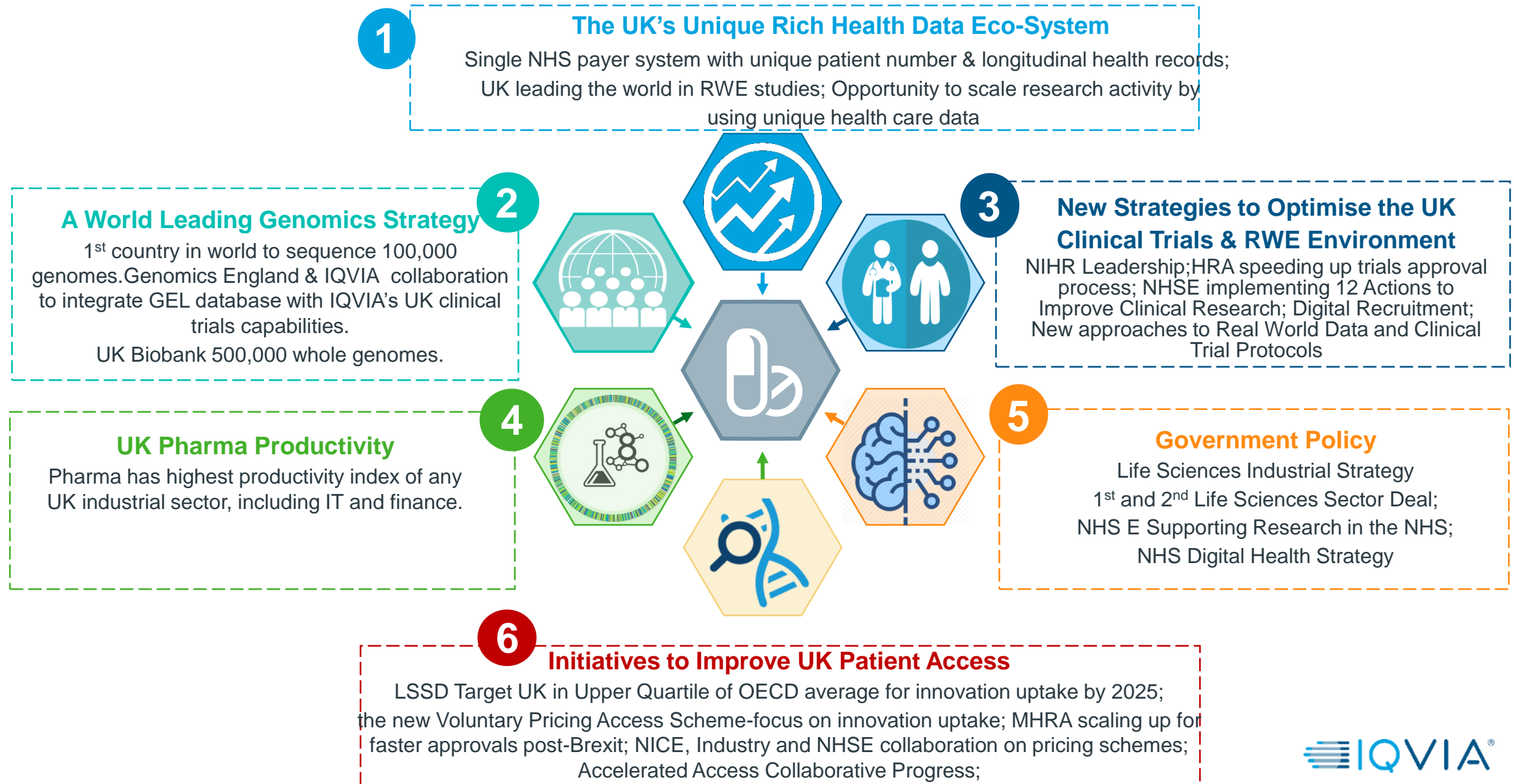


- **Life Sciences Industrial Strategy**
- Two Life Sciences Sector Deals 2017 and December 2018
- Blueprint for investment by Government and the private sector-highlights to enhance UK for Life Sciences.
- Increased investment in R&D to £12.5bn by 2021, accelerating clinical trial recruitment & building a more attractive clinical trial environment



- 8.10.18: NIHR & IAOCR *High Throughput Clinical Research* in NHS in response to LSIS goal to increase the number of clinical trials conducted in the UK over the next 5 years by 50%
- They aim to make the UK a country of 1st choice for the conduct of clinical trials through a combination of initiatives which result in trials being set up and conducted efficiently and effectively in 'high throughput centres'

The Foundations for the UK to become a Global Life Sciences Power House Post Brexit?



Leaders who are changing the dynamic for UK life sciences....

Ministers and policy makers making a difference to UK Pharma and Life Sciences environment



Matt Hancock
SoS for Health & Social Care



Baroness Nicola Blackwood
*Parliamentary Under-Secretary
of State for Health*



Lord David Prior
Chair NHSE



Lord Ara Darzi
*Chair of Surgery at
Imperial College London*



Professor Sir John Bell
Architect Life Sciences Industrial Strategy



Simon Stevens
Chief Executive NHSE & I



Matthew Gould
CEO NHSX



Blake Dark
*Commercial Medicines
Director, NHSE*



Dr Sam Roberts
*CEO Accelerated Access
Collaborative*



Tamsin Berry
Office for Life Sciences

Government and LS Sector Industrial Strategy(LSIS) & Deals to support UK life sciences

LSIS : Establish the UK as the world's most innovative life sciences economy

R&D Investment 2017-2027 will strengthen UK Clinical Research Environment

1



Raise the intensity of research and development (R&D) in the UK

Increase investment in R&D to **2.4%** of GDP by 2027 and **3%** over the longer term, delivering an estimated increase of **£80bn** over the next 10 years



Increase in R&D investment of **£2.3bn** in 2021/22, raising total public investment from around £9.5bn in 2016/17 to **£12.5bn** in 2021/22, thus increasing the total support for R&D by a third



Increase in the rate of the R&D expenditure credit from 11% to 12% with effect from 1 January 2018



2



Strengthen the environment for clinical trials

The government, through the National Institute for Health Research, has invested significantly, with a new contracts worth more than £950m over the five years from April 2017



NHSE, NIHR & HRA speed up clinical trial approvals & recruitment through the the 12 Actions to Support and apply research in the NHS for clinical trials

Creation of National Bio Resource for Translational Research in Common and Rare Diseases enables people to participate in early translational research and links closely with the UK's 100,000 Genomes Project

LSIS : Establish the UK as the world's most innovative life sciences economy

3



World Leader in Genomics & Development of Precision Medicines

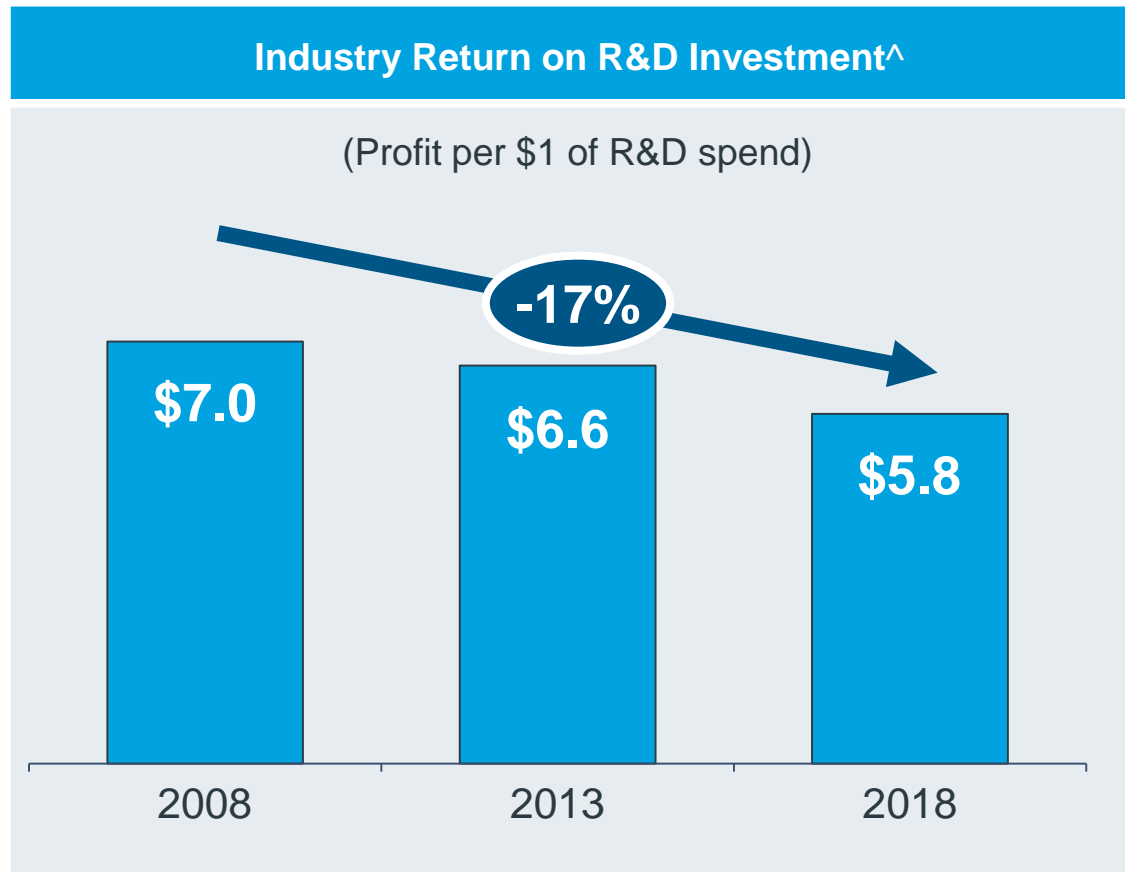
1st country in world to sequence 100,000 genomes 2018
UK Biobank to sequence 500,000 whole genomes by 2025.
Genomics England & IQVIA collaboration to integrate GEL database with IQVIA's UK clinical trials capabilities.


Creation of National Bio Resource for Translational Research in Common and Rare Diseases enables people to participate in early translational research and connects with the UK's 100,000 Genomes Project

Pillar 1-the health of clinical research in the UK since Brexit

Globally RoI on R&D is declining


Increase in R&D costs is a major issue for pharma, but better is possible



 **4.8 years**
to an accurate
diagnosis for rare
diseases

 **~80%**
of clinical trials are
delayed by at least 2-
3 months

 **+\$1B**
increase in cost to
bring an asset to
market vs 2013

 **~45%**
of protocol delays
could be avoided
through better use of
data

[^] Top 25 Innovator Pharma companies Source: Company Financial Reports; IQVIA Analysis

The UK is aligned to future clinical trial needs



6

of the global top 20
leading medical
universities



21%

growth in number of
clinical trials* across
the UK



~20%

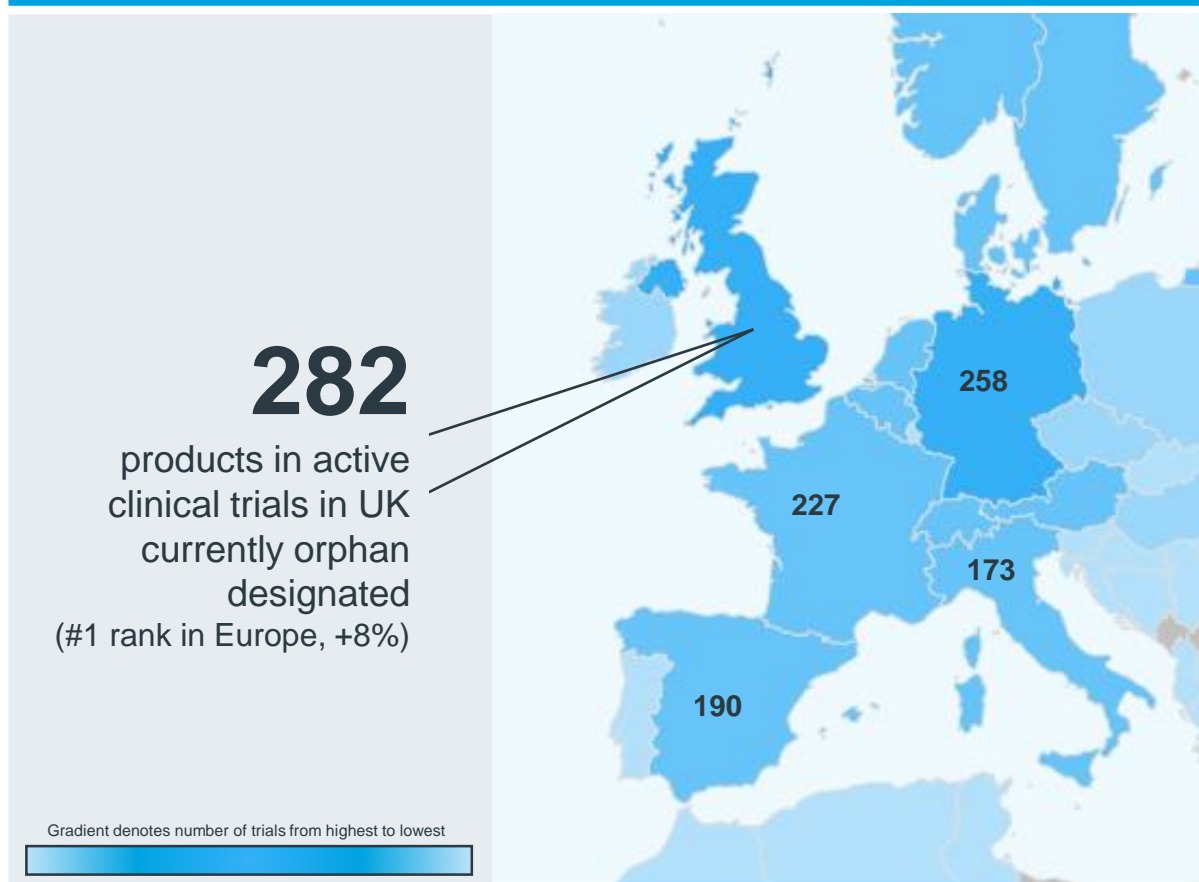
higher chance of
access where a
submission includes
RWE within the UK



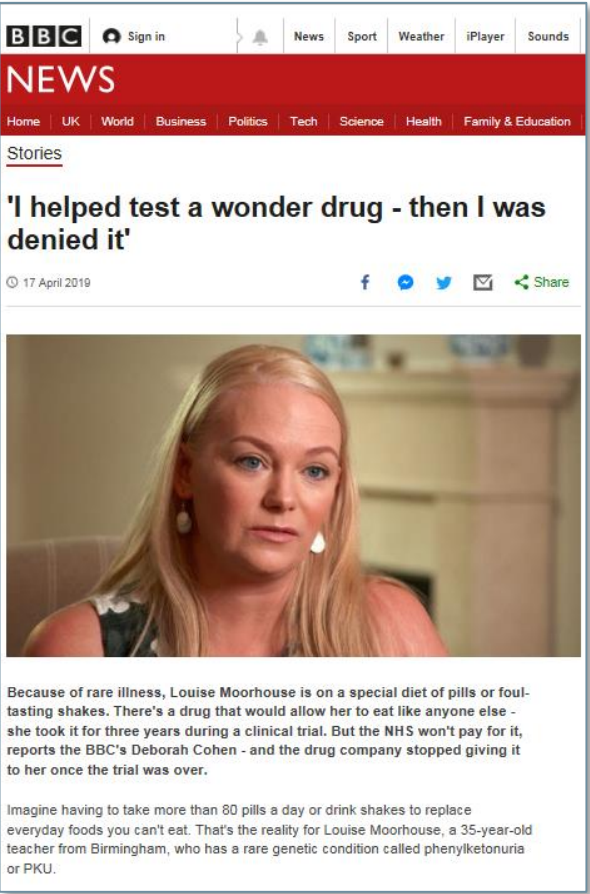
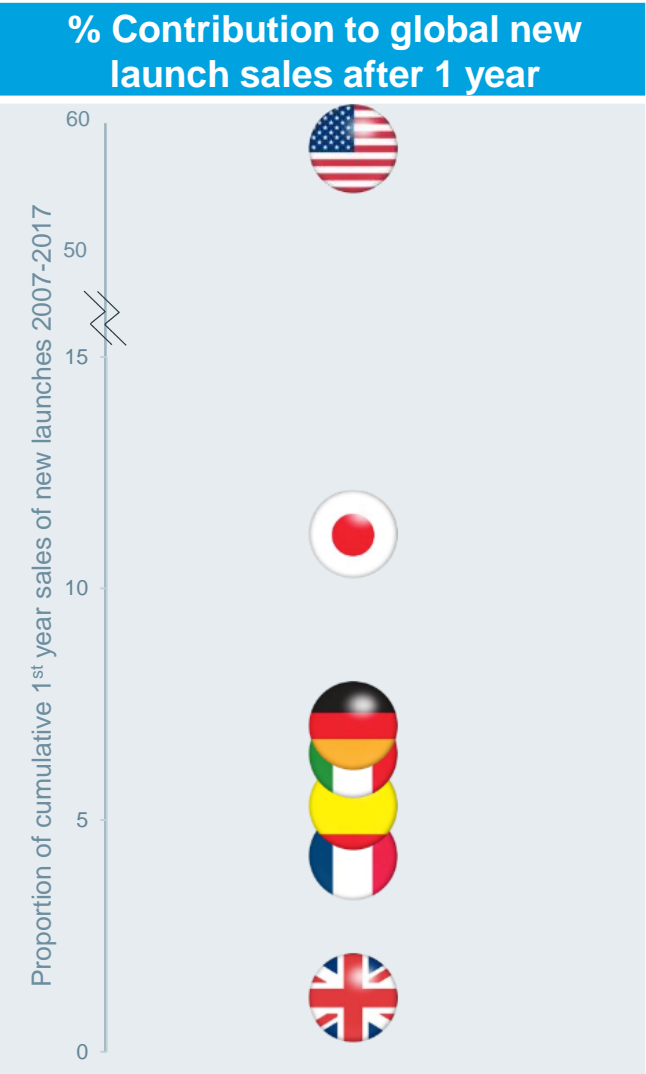
45%

FDA approvals over the
next 5 years will be for
orphan diseases

Drugs in trials for orphan diseases (EU markets)



However, the UK has challenges it must address



x4
slower start up time
in the UK vs US

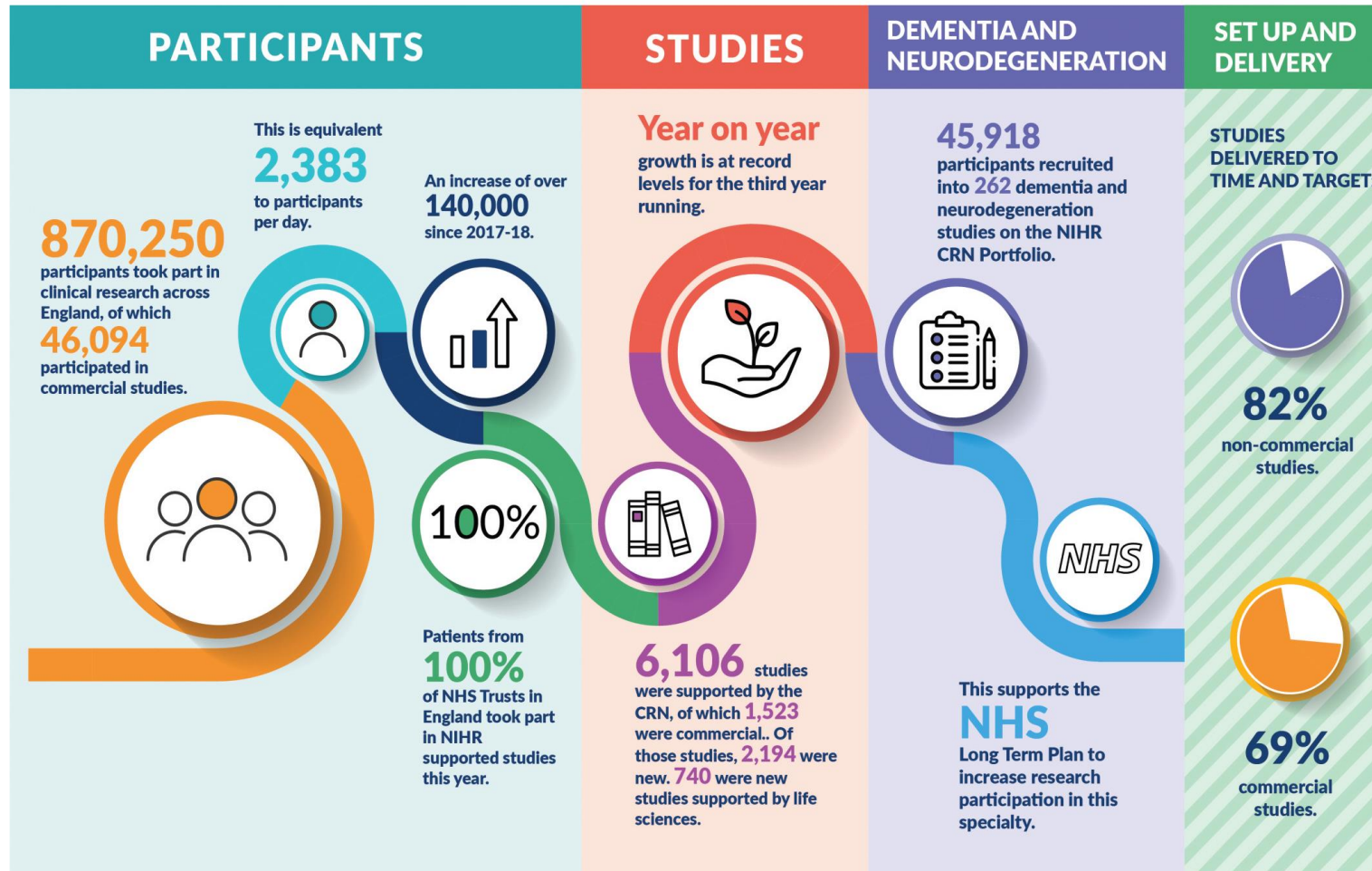
85
different ethics
committees to
coordinate

100's
patients each year
potentially missing out
on participation in
clinical trials

x1.9
longer from EMA
approval to NICE
implementation vs
2014

Clinical research – a key indicator of the health of life sciences in any country

NIHR 2018-9 'The number of participants involved in clinical trials the highest since records began'

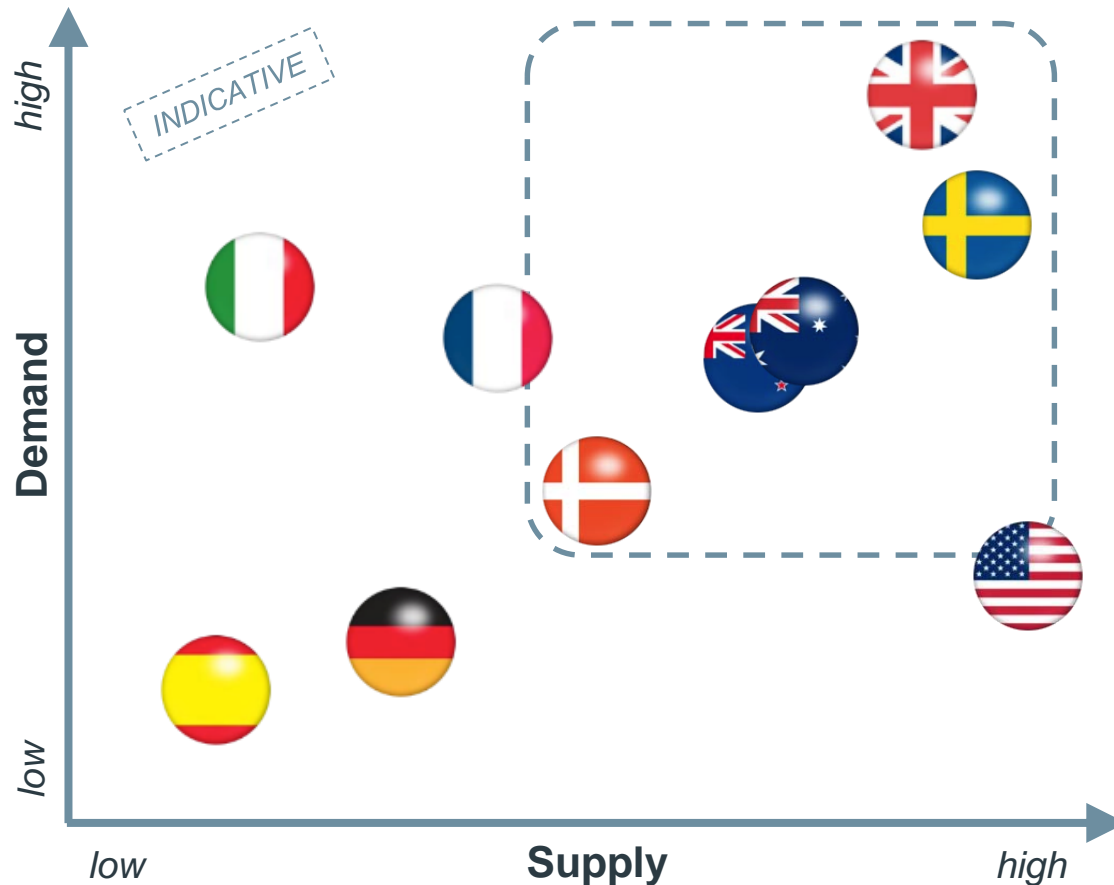


- **870K people took part in NIHR clinical studies a 20% increase since 2017/18**
- **Year on year growth is at record levels for 3rd year running.**
- **2018/19, the number of new commercial studies set up across the year was the highest yet - 740 new studies sponsored by the life sciences industry**
- **A record number of 480 cancer studies been added to the CRN portfolio (408**
- **Record number of ongoing studies open for recruitment (1167).**
- **Dementia and neurodegeneration research (DeNDRoN) saw a 26% increase in year with a record number(93) new studies added to its portfolio**
- **Significant increase in people accessing research opportunities 2018/9 compared 2017/8 - up by 20%**

Pillar 2: UK leading the world in use of Real world studies and their application for HTAS and Value Stories

The UK is one of the world leaders in Real World Evidence in both demand and supply

RWE supply & demand landscape

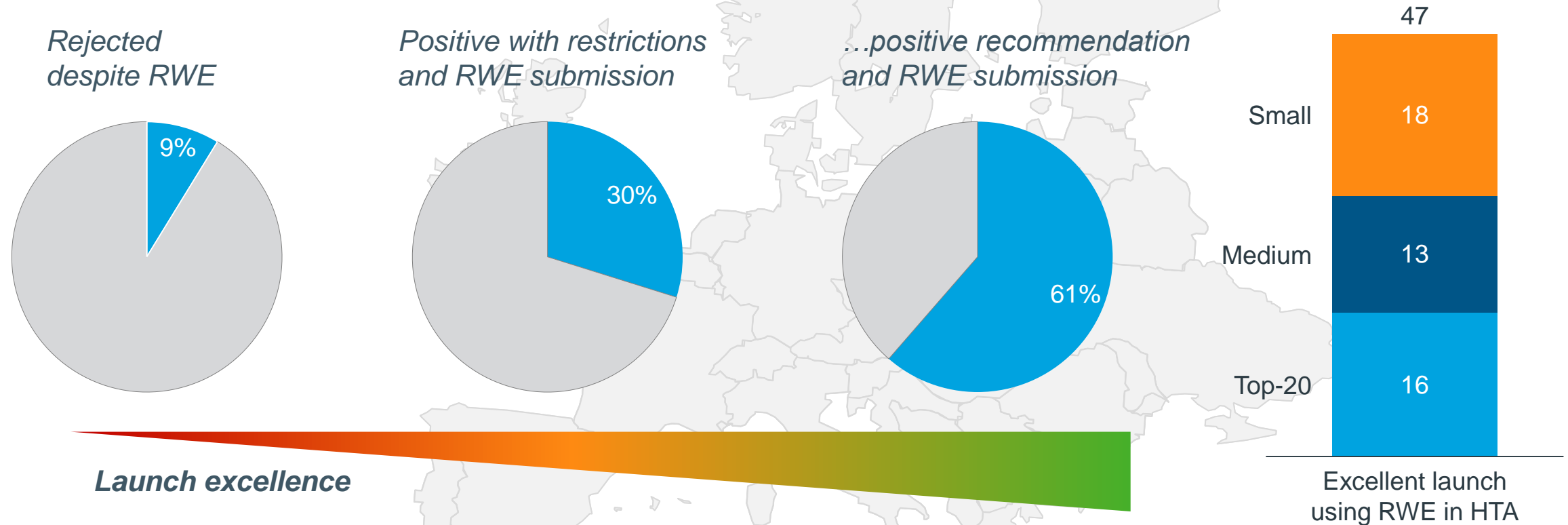


- Supply: type and quality of RWE assets, eg breadth/depth of data, ability to link etc. UK and Sweden score high-as does US- its wealth of commercially available, large data sets
- Demand: the extent to which RWE is accepted by HTA bodies and payers to influence decisions.

RWE will help the LSIS Goal of the UK being in the upper quartile of the OECD average for uptake of innovative medicines by 2023



NICE Positive Approvals have global impact – the fact that RWE increases launch success by +20% in UK will attract further UK launches and RW Studies



NICE are proposing to utilise broader sources of data and analytics to inform their decision making and guidance

NICE remit

Develop recommendations, advice and information through a diverse range of programmes to help the health and social care system to deliver the best outcomes for people using services with the resources available within the NHS

Purpose of this consultation

NICE wants to use broader sources of data and analytic methods to enhance their existing methods and processes and inform future guidance

Sources of data NICE are proposing to use

- A wide range of data sources are available for use and will depend on the review question
- Sources of data that NICE has already used or could consider using in the future include, but is not limited to:
 - Primary care and secondary care databases
 - Registries which collect data on how particular treatments are used
 - Surveys of people using health and social care services
 - Data collected on national trends (e.g. prevalence data)

NICE have identified a number of circumstances in which more extensive use of data could improve their methods and processes

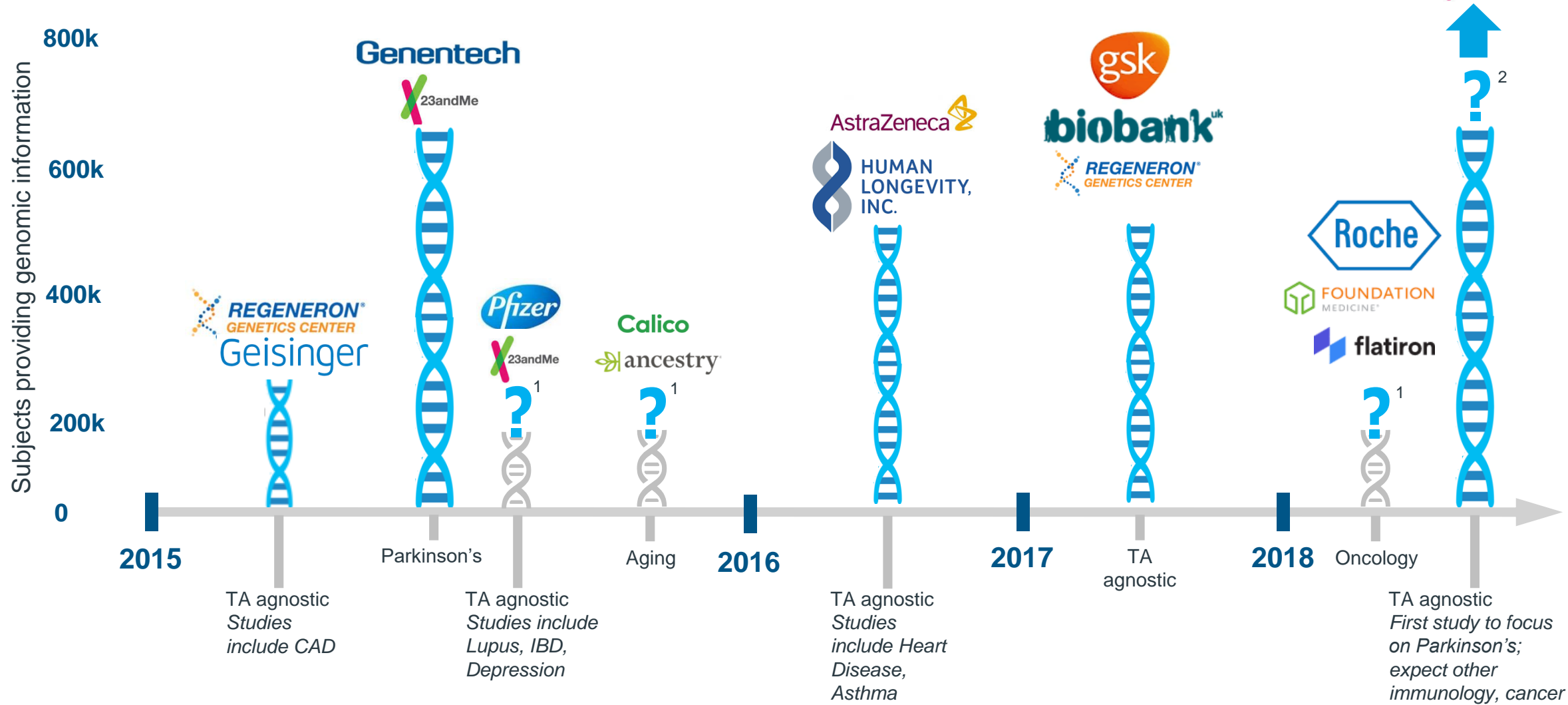
When and why should these data types be used

- Situations where additional data or analysis could be used include, but is not limited to:
 - Where an evidence gap has been identified
 - To measure the effectiveness and cost-effectiveness of interventions in real-world settings
 - To demonstrate comparative effectiveness when the RCT comparator does not reflect real world practice
 - To monitor and evaluate intermediate outcomes of intervention
 - To establish the characteristics of the population of interest in practice
 - To improve tracking of guidance implementation, uptake and impact
 - To update guidance more efficiently than is currently done

NICE anticipates that these proposed changes will help improve their guidance, expedite updates on previously published guidance, and enhance understanding of the impact their guidance has on patients accessing health and social care services

Pillar 3; Genomics

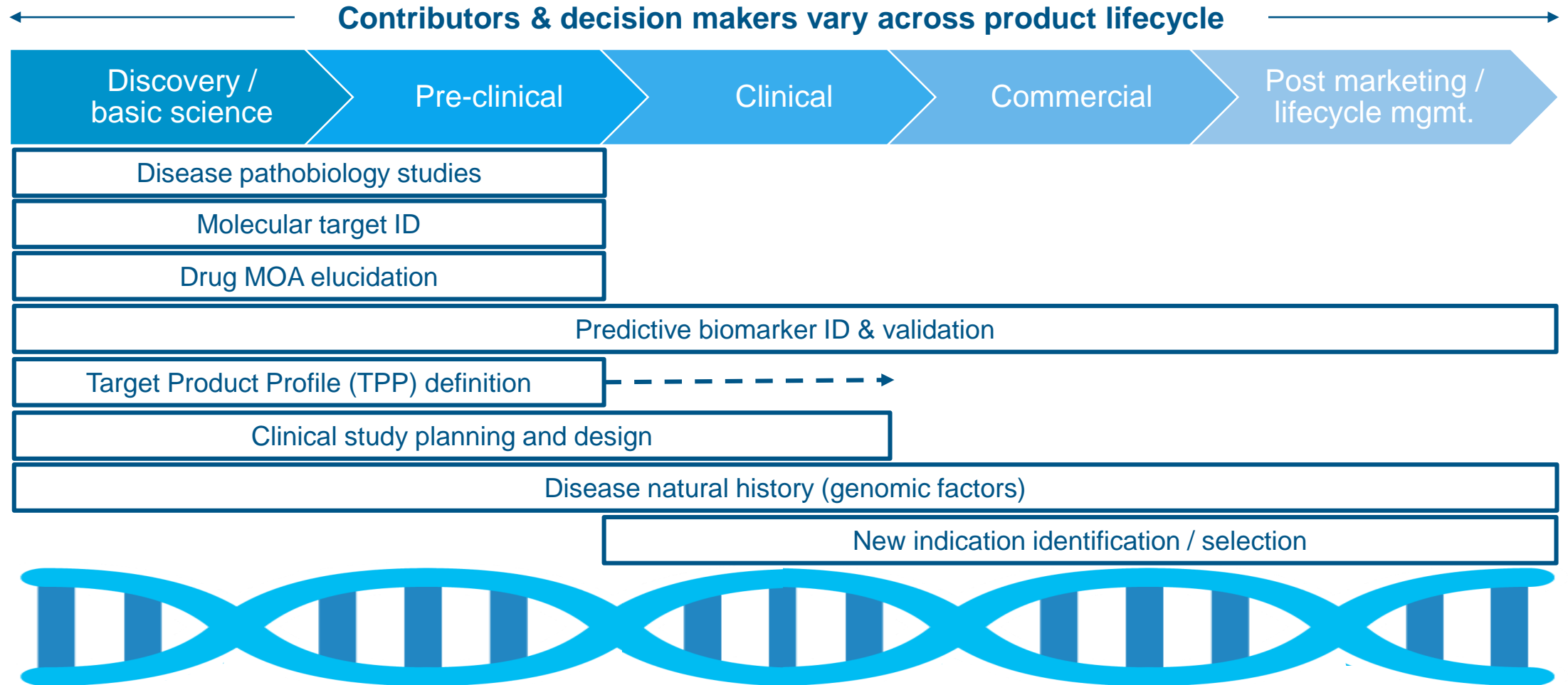
High-profile deals demonstrate strategic importance of Genomics



¹ Pfizer / 23andMe, Calico / Ancestry, and Roche / FMI / Flatiron subject totals not published.
² GSK 23andMe has an opt in / opt out model whereby some 80% of the 5 million 23andMe subjects have, by default opted in, but can opt out any time.
Confidential and for discussion purposes only.

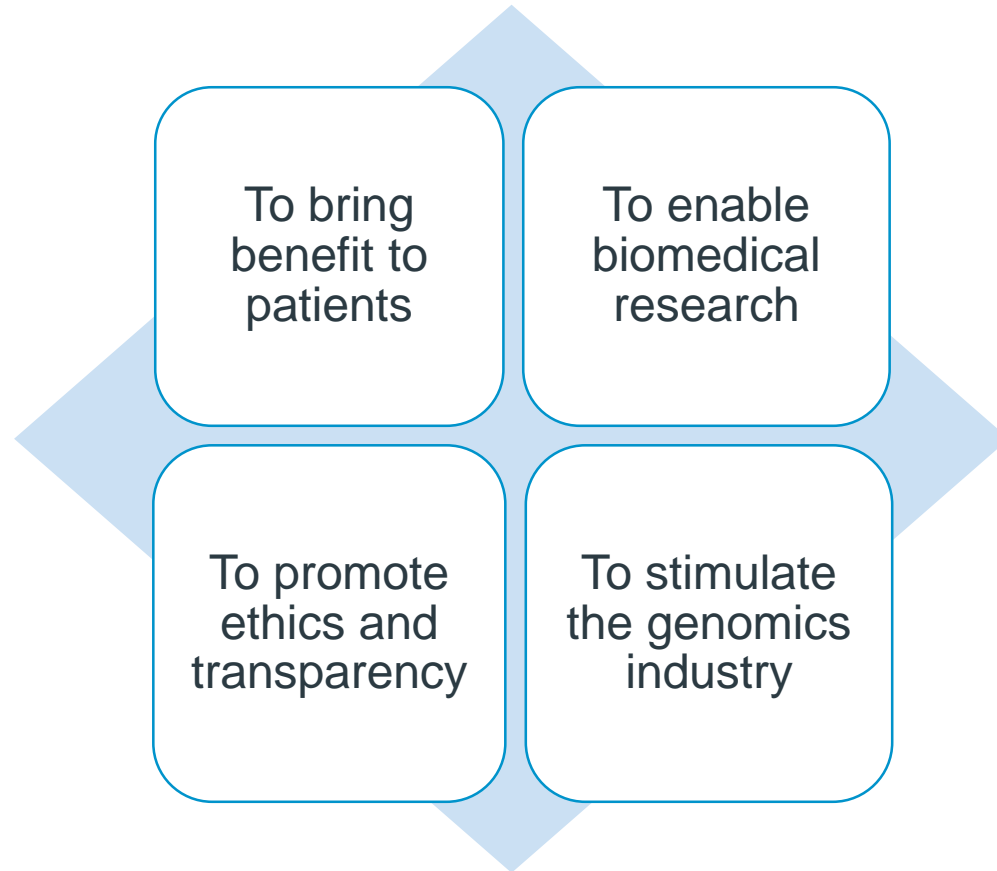
And why?

Genomic research applications across the product lifecycle



Principles of the 100,000 Genomes Project

2014-2018



- To sequence 100,000 whole genomes with **rare inherited disease**, and **cancers**
- To return new diagnoses to NHS patients
- To build research infrastructure, capability and skills.
- To generate inward investment
- To lead the world in the application of Genomic Medicine

The data value proposition

1

We have a world leading genomics dataset



Genomes Sequenced
100000

Genomes sequenced

21,247 cancer



71,050
rare disease

20-25% actionable findings for Rare Disease

~ 50% cancer cases contain potential for a therapy or a trial in our report

2

It has several applications that can improve health outcomes

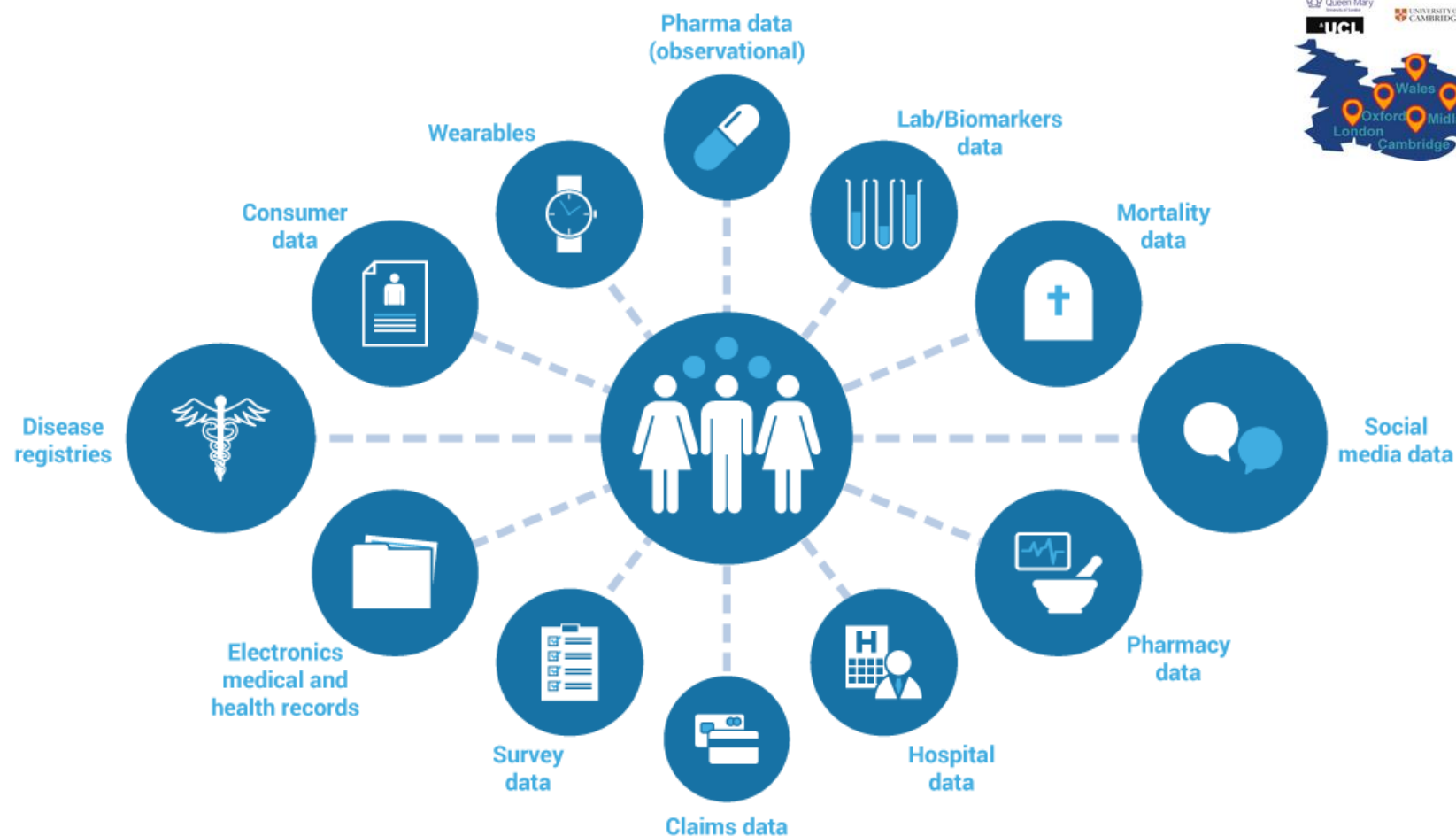
- Stratifying patients
- Better drug development
- Biomarkers design and testing
- Access to samples

3

And has great benefits for all participants

- **Precision trials.** Success case: 30-50% lower cost per trial thanks to better targeting
- **Better analysis of clinical data.** Success case: identified 12 patients with homozygous NPHP1 deletions, all previously undiagnosed
- **Safe environment for research through our Research Environment:** allows for data documentation, tools analysis and workflow and collaboration

Access to linked Real World Data



UK Genomics vision announced

Genomic information will become a central platform for precision healthcare in the UK



On the 2nd October, Matt Hancock the Secretary of State for Health and Social Care, announced an ambitious vision for genomic healthcare in the UK...

“ Expansion of the 100,000 Genomes Project to **one million whole genomes** sequenced by NHSE and UK Biobank in the next five years ”

“ From 2019, the NHS will offer **whole genome analysis for all seriously ill children with a suspected genetic disorder**, including those with cancer. The NHS will also offer the same for all adults suffering from certain rare diseases or hard to treat cancers ”

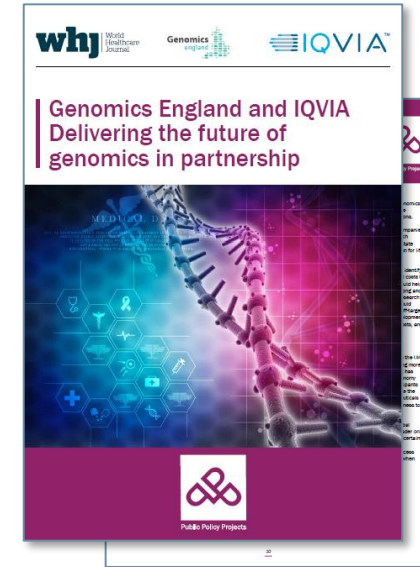
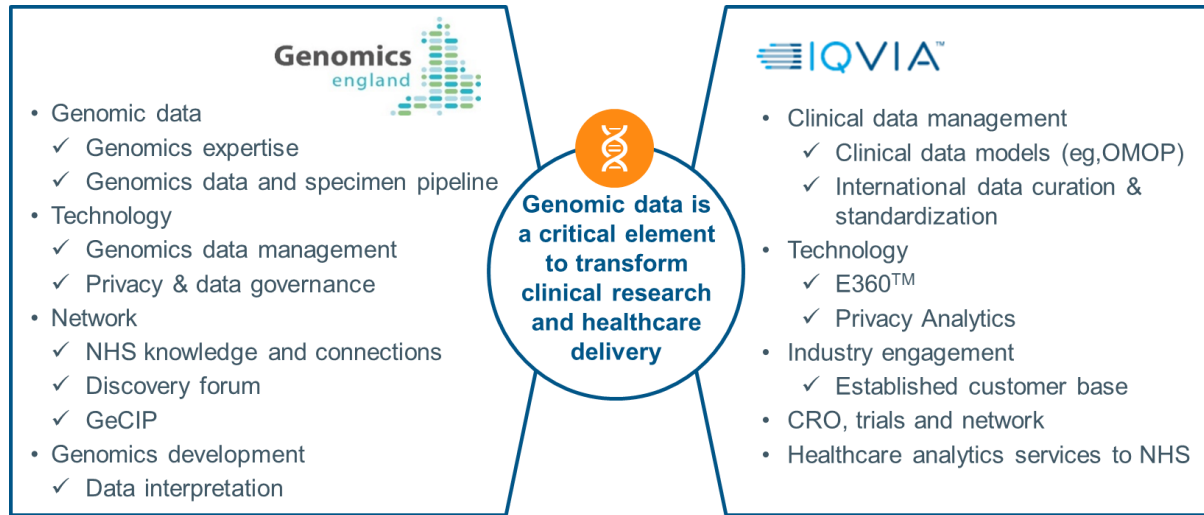
“ An **aspiration to sequence 5 million genomes** in the UK within the next five-year years ”

5 million genomes over 5 years aspiration is system wide



- 500,000 whole genomes through the **Genomic Medicine Service**
- Plus other genomic tests
- 500,000 whole genomes through upgrade of **UK biobank** sequencing
- Whole genome sequencing of **strategic cohorts** (unmet needs and long term value to the healthcare system)
- **Research cohort** sequencing (whole genome and other genomic tests) funded by current and future funding
- Exploratory programme for self-paying **volunteers** who wish to be early adopters of genomic analysis

IQVIA & GeL announced 5 year collaboration to enable Real-World clinical-genomics research and trials in Life Sciences



Initial services of the IQVIA - GEL collaboration

1

Feasibility Research Data Access Services

Access to linked clinical-genomic data via IQVIA's E360™ platform for pre-research purposes

2

Analytical Consultancy Services

IQVIA provides analytical services using linked clinical-genomics data

3

Custom Clinical & Genomic Analytical Services

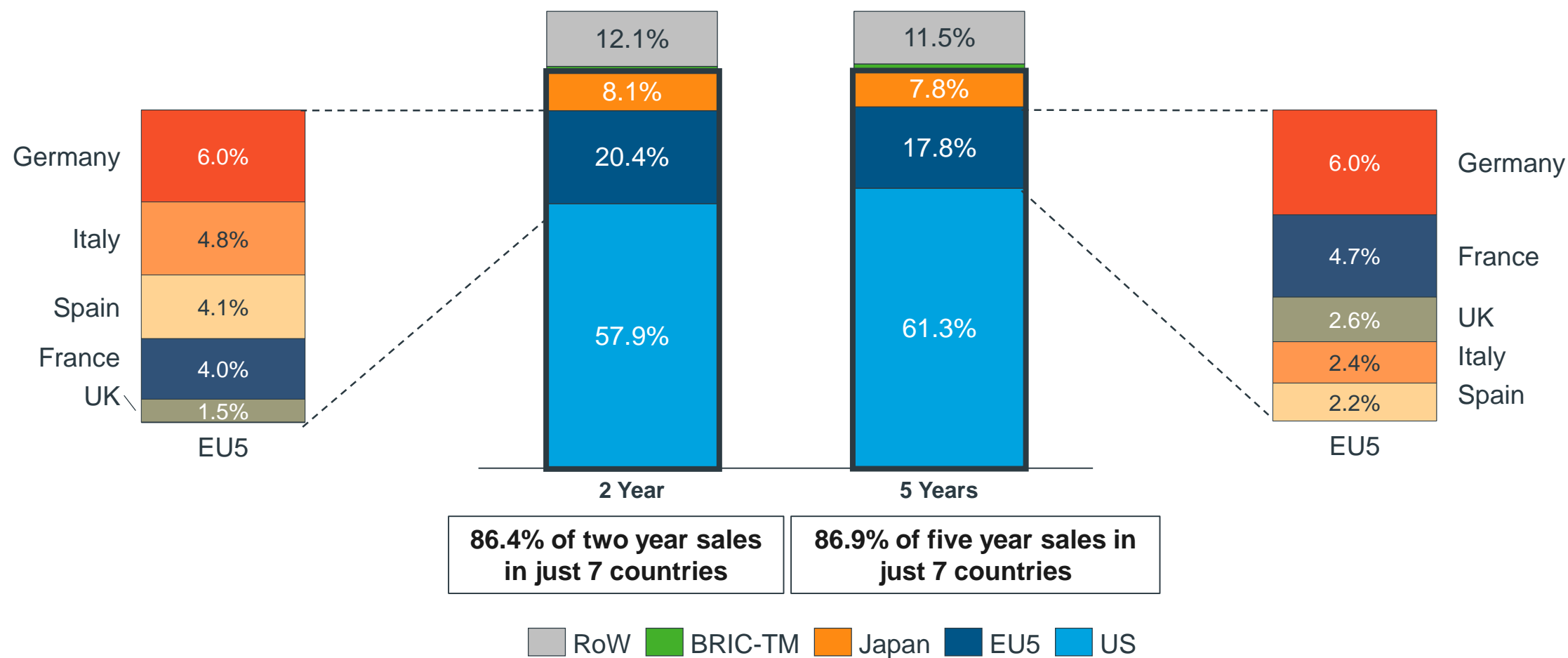
Enable genomic testing as part of clinical trials, where patients could have their whole genome sequenced in parallel to the clinical trial

Pillar 4: Access to innovation



UK lowest uptake in EU 5 Yr 1, moving to number 3 in year 5

Proportion of cumulative 2- and 5-year sales of new launches 2007-2017 by country

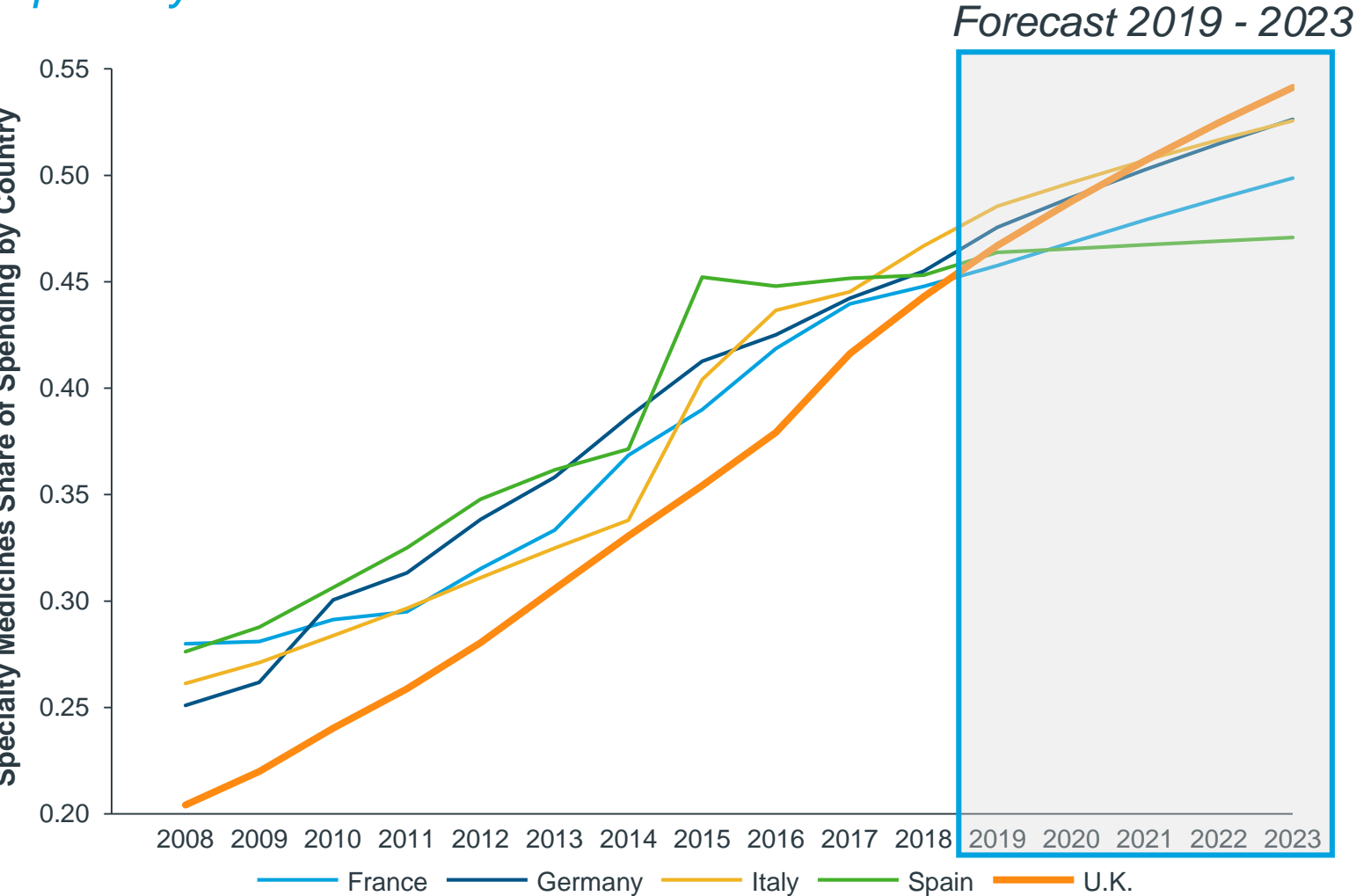


Notes: Country contribution is calculated based on the accumulative sales of NAS (new active substances) launches from 2007 to 2017. Values are pre-rebates and discounts.
Source: IQVIA European Thought Leadership, MIDAS LC US \$ Q4 2007-Q4 2018.

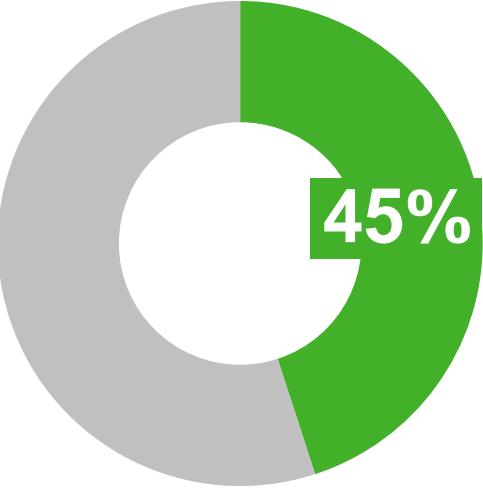


Government spend on Specialised Medicines (inc. orphans) across EU5 will continue to be a considerable proportion of new medicines spend

Specialty trend continues



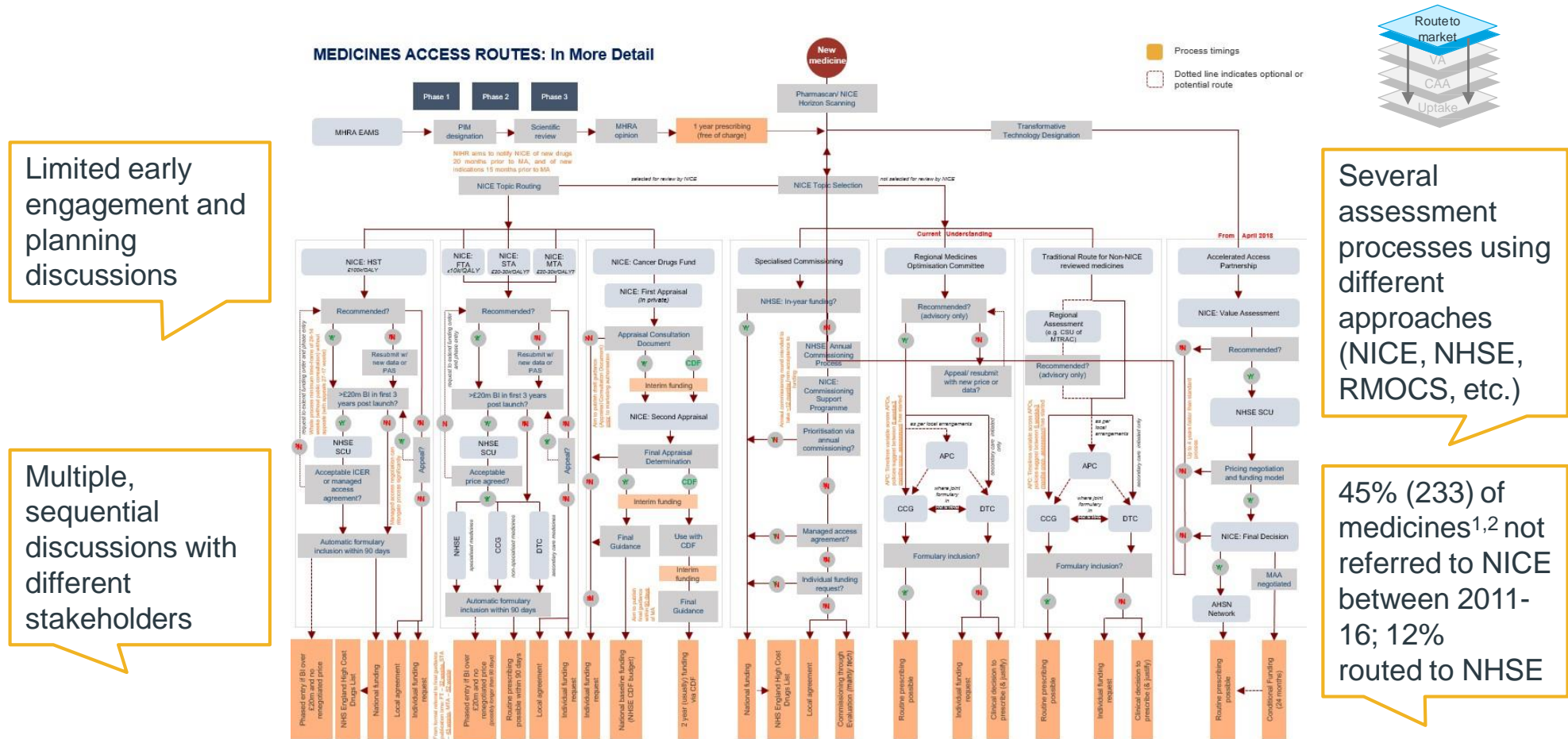
Orphan forecast of FDA
2019-2023 approvals*



*used as a proxy for future medicines. Note: variations in orphan medicines definitions between US and EU

Medicines Access a complex maze, involving sequential discussions with multiple stakeholders

Current market access routes in England



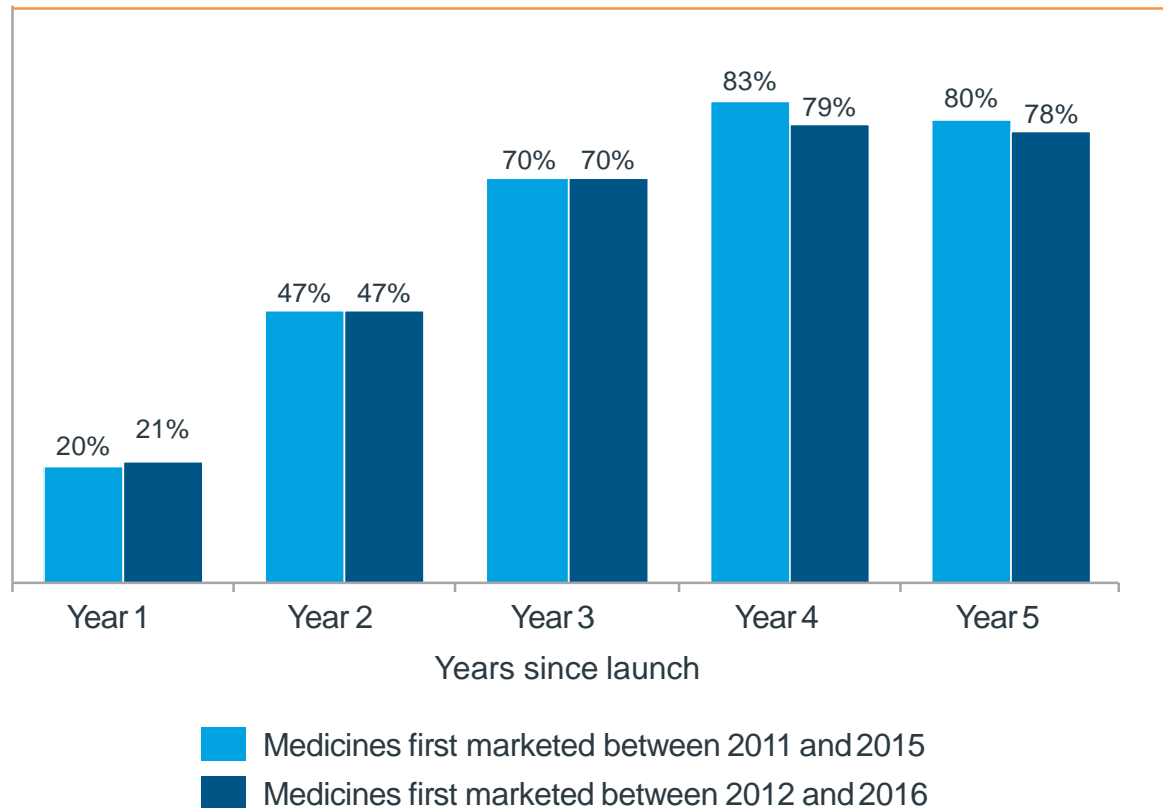
1. Centrally approved medicines; 2. OHE. Reimbursement in the United Kingdom of medicines authorised between 2011 and 2016 via the European centralised procedure. October 2017.
 Source: ABPI, OHE

Uptake of new medicines lags behind other countries at the detriment of UK patients

Per capita uptake of medicines in the UK relative to comparators¹ median

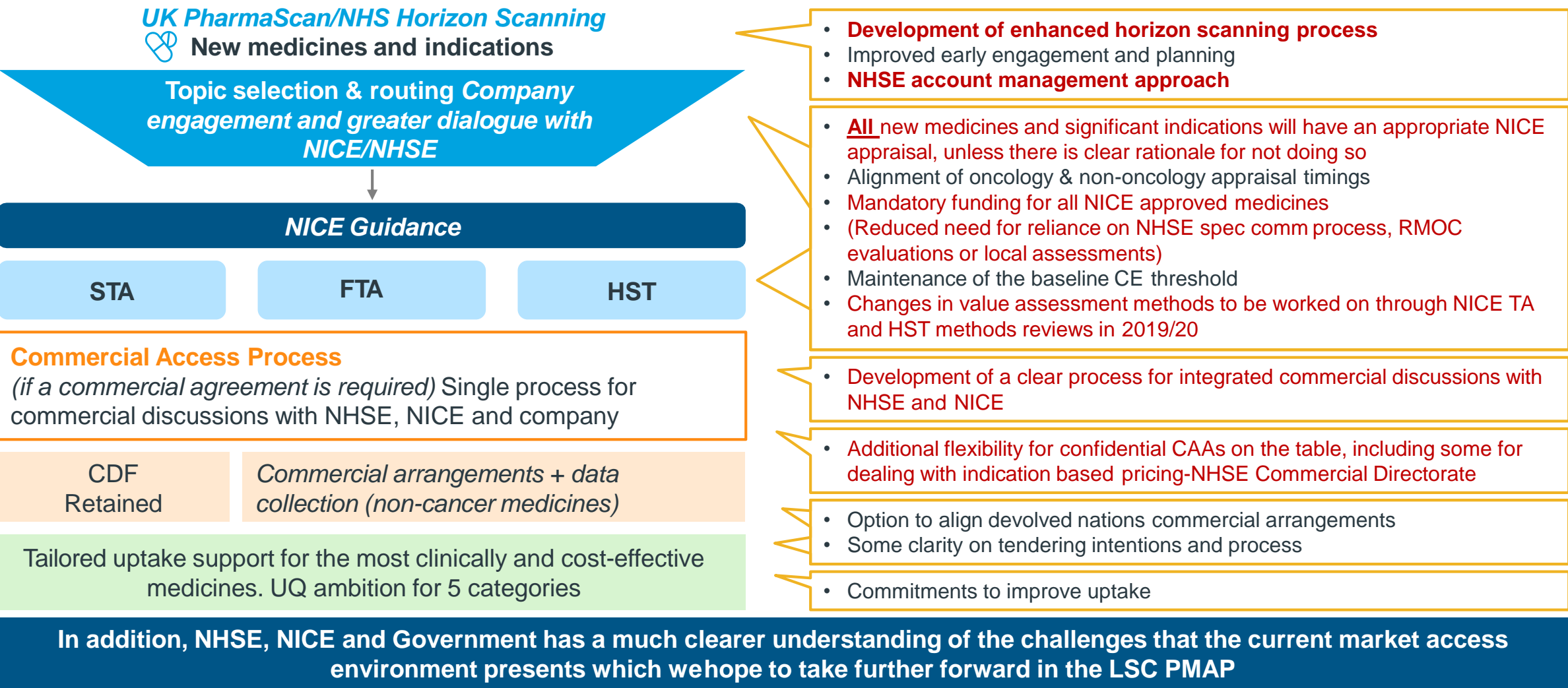
Medicines w. a positive NICE recommendation

Median



- Uptake in the UK remains relatively “low and slow” for NICE approved medicines
- Underpinning factors include
 - Further qualification of NICE guidance
 - Delays in making funding available
 - Delays in adjusting patient pathways
 - Bias towards clinical conservatism
- Uptake of medicines not reviewed by NICE seems to be deteriorating
 - Relative uptake in year 5 is 9 percentage points lower for medicines first marketed between 2012-16 versus 2011-15

Significant achievements on value and access will see more flexible commercial options for products with a maintenance of the NICE threshold



There is a willingness from Government and NHSE to improve uptake for the most clinically and cost-effective medicines

Uptake commitments



All parties **aspire to see greater uptake** of current and future innovative, cost-effective medicines which provide significant health gain



Upper quartile target for the five highest health gain categories during the first half of the scheme



Continued **development of the Innovation Scorecard and other uptake measurement tools** to provide a more comprehensive approach to tracking uptake



NHSE will **proactively provide tailored implementation support** to ensure uptake of cost-effective medicines which provide the most significant health gain



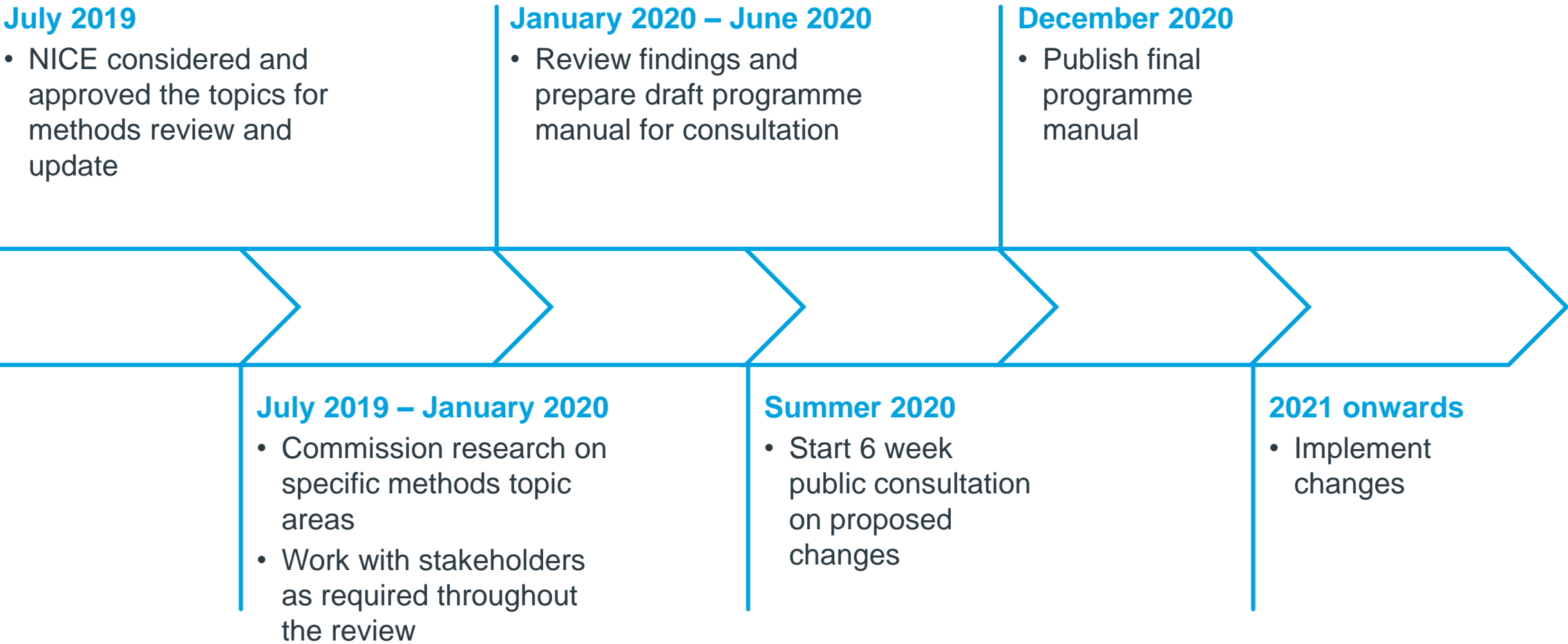
Continued discussions on the **development of the data infrastructure** to enable improved information collection and generation of RWE, including on an indication-specific basis where appropriate

NICE plans to review its evaluation methodologies to ensure timely access to the wave of innovative products in development

- Purpose: to optimise NICE evaluation methods to support the ambition of the NHS to provide high quality care that offers good value to patients and to the NHS
- Why is this important?
 - More and more complex therapies are being developed
 - Pipeline of personalised therapies is growing i.e. CAR T therapies
 - Medicines are gaining EMA approval based on limited evidence
- Due to the increasing level of uncertainty, particularly in regards to complex therapies and treatments for rare diseases, it is becoming more and more difficult for NICE to determine the true value of products, resulting in delayed access for patients



NICE will open their proposal to consultation in 2020, with the plan to implement changes in 2021



Consultation on the use of RWE in NICE appraisals

NICE are proposing to utilise broader sources of data and analytics to inform their decision making and guidance

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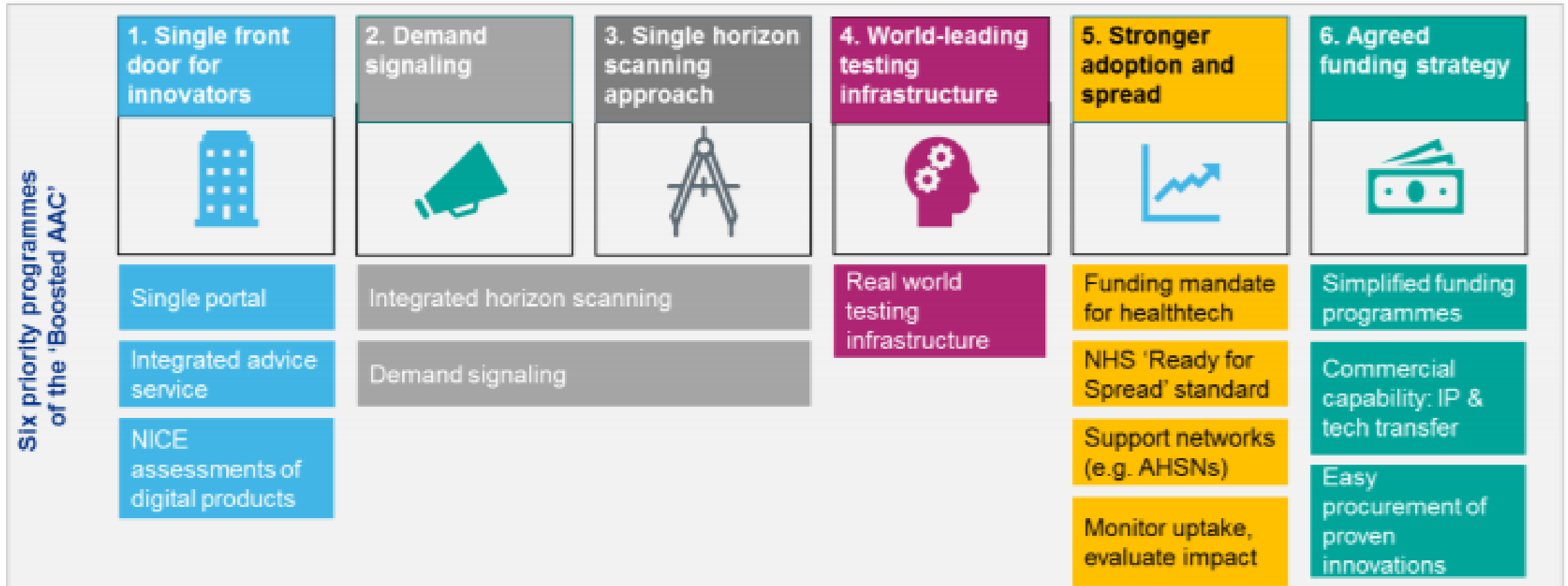
The original remit of the AAC was to identify ‘breakthrough’ products to be fast-tracked into the NHS or improve uptake of already launched medicines with proven innovation

1. **5-10 products each year will receive ‘breakthrough’ designation which would enable:**
 - › Support allowing companies to accelerate clinical development
 - › Fast track through NHS’s approval process
2. **AAC also selected products that have an established and mature evidence base and are already on the market in the UK**
 - › The aim of this is to focus on already marketed transformative products where uptake and patient access is seen as challenging despite positive NICE or other relevant guidance being in place

Products with proven innovation identified by the AAC

- HeartFlow Analysis for estimating fractional flow reserve from coronary CT angiography
- Placental growth factor (PIGF) based testing for suspected preeclampsia
- PCSK9 inhibitors: Repatha and Praluent
- High sensitivity troponin tests for early rule out of myocardial infarction
- Quantitative faecal immunochemical tests for colorectal cancer (3 tests)
- Cladribine for treating highly active relapsing-remitting multiple sclerosis in adults
- Urolift for lower urinary tract symptoms of benign prostatic hyperplasia

The remit of the AAC has expanded to include tackling some of the fundamental challenges in the innovation ecosystem



NHS Reorganisation (national)



Commercial Medicines Directorate

Roles

- Leading NHSE negotiations with the pharmaceutical industry
- SRO for the broader cross-organisational Medicines Value Program
- Build coherent commercial framework for drug reimbursement

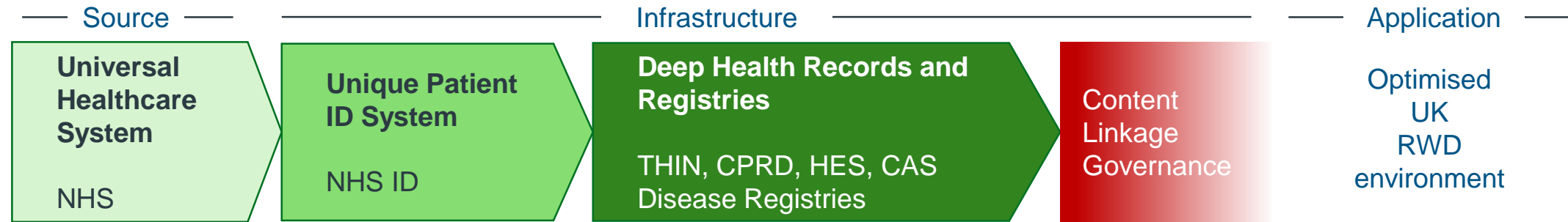


Duties

- Drugs that trigger the £20m budget impact test (BIT)
- Cancer Drug Fund (CDF)
- NICE's Highly Specialised Technology appraisal programme (HST)
- NHS England's clinical policy process overseen by its Clinical Priorities Advisory Group (CPAG)
- A procurement function relating to medicines used in secondary care; Commercial Medicines Unit (CMU)

**Pillar 5: Uk will be ahead in 4th
industrial revolution through its
digital NHS agenda**

The UK has data at scale, but needs standards, access approval process and data linkage to “de-silo” the insights



Strengths

- **Universal healthcare system** provides whole population perspective
- NHS number provides **unique patient ID**
- National coverage of **hospital inpatient administrative data** (Hospital Episode Statistics)
- Well-developed **ecosystem of registries** (e.g. cancer, stroke)
- Large scale **primary care electronic medical records** for research (e.g. THIN, CPRD)
- **Community prescribing** and dispensation data
- Emerging **unique data assets** (e.g. Genomics England)

Gaps

- Poor coverage of **hospital outpatient activity** in administrative data
- No routinely available national data about **hospital prescribing**
- Poor coverage of **outcomes data** (with the exception of mortality data), and early investment in **PROs** has not been sustained
- Prescribing and dispensation data **not routinely linked** to other data sources
- Primary care, secondary care and community care **data sources are often siloed**
- Some initial progress on interoperability, open standards and data access but **implementation has been slow**

The new digital strategy plan announced by Matt Hancock is investing more than £200 million in technology and AI

To transform the NHS into “the most advanced health system in the world”

Policy paper

The future of healthcare: our vision for digital, data and technology in health and care

Published 17 October 2018



Department
of Health &
Social Care

Key priorities

- New gold standard for acute, mental health, community and ambulance trusts in England
- An NHS app pilot scheme has been rolled out in Liverpool, Hastings, Bristol, Staffordshire and South Worcestershire
- NHS online services (book GP appointments, order repeat prescriptions, organ donation and end-of-life care etc)
- NHS organisations should be enabled to procure their own systems while maintaining inter-organisation communication.
- transparent and robust standards for IT systems in the NHS, ensuring they meet privacy and cyber security requirements.

The government has announced the NHSX as a new policy unit specifically to support the use of technology in the NHS



- Historically, NHS England led the IT strategy, national operational decisions, decided who gets money and what it should be spent on. DHSC has had oversight of higher-level digital policy. NHS Digital builds and provides some central IT systems, collects NHS data, and provides digital support services for providers
- NHSX will take over many of the digital responsibilities that currently sit with NHS England, including leadership of NHS digital strategy



- The move was needed because the NHS has been too slow on improving its IT systems, partly because responsibility was split across too many organisations
- The announcement comes as the Department of Health and Social Care publishes its “code of conduct” for how the NHS should partner with digital health companies, including how it extracts value from giving industry access to NHS patient data.
- “NHSX will have an open door to allow discussion with health tech industry that is developing products to make sure that we are harnessing the best innovation to improve the NHS”



- NHSX will be a joint-venture between NHS England/Improvement and the Department of Health and Social Care, with its own CEO. NHSE CIO Will Smart, CCIO Simon Eccles and interim Chief Digital Officer Tara Donnelly will move to NHSX. NHS Digital will now report to NHSX, rather than NHS England
- Responsibility for central funding for digital technology, handling central IT contracts, setting national policy for digital technology



Matthew Gould
The new CEO of
NHSX

Digital Innovation Hubs

Digital Innovation Hubs



- Funded through the Industrial Strategy Challenge Fund – £37.5 million investment in new Digital Innovation Hubs has been made across the UK
- The new hubs will help **connect regional health and care data with biomedical data in secure environments**
- The Digital Innovation Hubs will be led by Health Data Research UK (HDR UK), the national institute for data science in health, delivering on behalf of UK Research and Innovation
- The Digital Innovation Hubs programme were launched in Autumn 2018 with 'demonstrator projects' that est. approaches that will inform the design and delivery of the Digital Innovation Hubs
- Following this, in Spring 2019, HDR UK will invite regional partnerships of NHS, academia and industry to bid to establish a Digital Innovation Hub

Role and remit of Digital Innovation Hubs



To provide a range of research data services, designed as advanced data handling and analytics environments, where academic, NHS and industry researchers will “breathe the same air” and be supported by people who understand the data, and a secure data processing area and flexible analytical workspace



Hubs will be able to act as a concierge service, using expert knowledge and skills to provide data curation, governance, analytics, computing power, physical location and safe havens for restricted data access within a trusted research environment



Hubs will provide expert services needed by academic, industry, healthcare professional and NHS users, and will build on areas of specialty. Hubs should leverage distinctive areas of expertise that meet a specific need, and have an identified market and users for the services

Three layers of the DIH Programme

Uniting the UK's health data to make discoveries that improve people's lives

