

# New types of collaborations and clinical trials reshaping research & development



The rapid development of novel vaccines for COVID-19 demonstrates that a new type of streamlining and efficiency is indeed possible

## Clinical trials

COVID-19 vaccine development < one year

Industry mean average for new drug development and review prior to COVID-19 = **8.2 years**



### Changes to drug development brought on by COVID-19:

- Exposing long-standing inefficiencies
- Reassessing processes and challenging steps previously thought to be necessary and fundamental
- Fostering new collaborations within and beyond the health care ecosystem

- Regulators are becoming more flexible about clinical trial design and the speed at which trials are conducted
- Virtual trials and remote monitoring enable greater patient involvement and give patients an active voice in research
- Need to address diversity and inclusion in clinical trials
- Decentralized clinical trials are executed at the point of care through telemedicine and mobile and local health care providers
- More trials will be hybrid trials going forward, a combination of in-person and virtual visits

Beyond vaccines, oncology is expected to continue to be a major driver of the sector's topline growth. It accounts for 6 out of the 10 biggest new sales generators and 4 of the top ten best-selling products.



Collaborations across the whole ecosystem will continue to be key:



Medtech



Biopharma



Tech



Consumer



Academia



Government



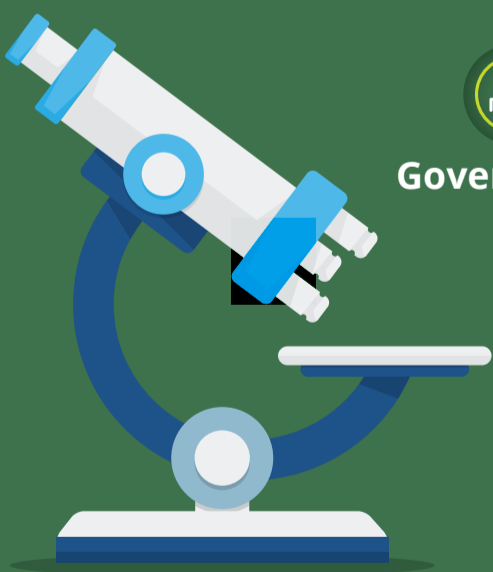
CROs



Disease foundations



Patient advocacy groups



Data will be key in the shift to transformative drug development approaches:

- Real World Data
- Real World Evidence
- AI
- Cloud

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