





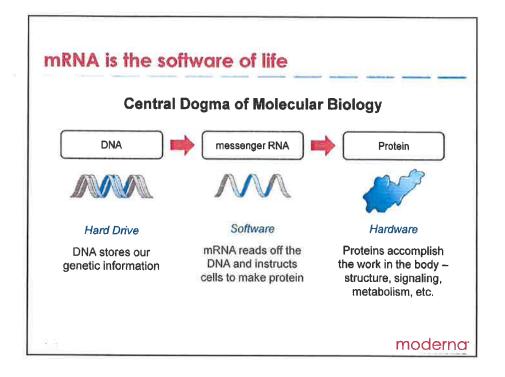
10 year vision

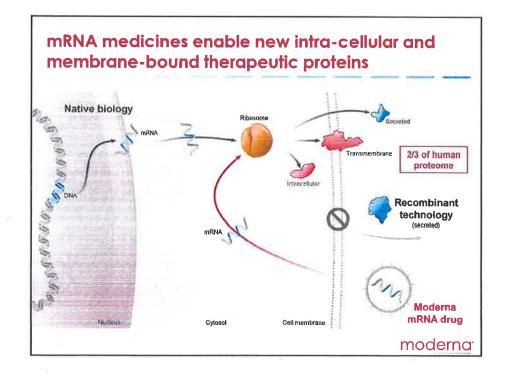
Stephane Bancel, CEO March 7, 2018

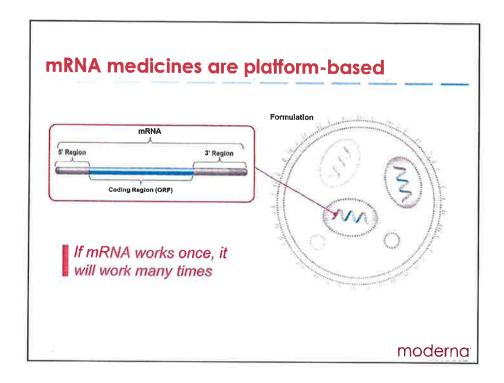
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Various statements in this presentation concerning the future expectations of Moderna Therapeutics, Inc. (together with its affiliates, the "Company"), plans and prospects, including without limitation, the Company's views with respect to the potential for mRNA therapeutics, its expectations with respect to timing of regulatory filings and the reporting of initial data from any clinical trial(s), the potential therapeutic opportunities for mRNA, its expectations regarding its product strategies, and its plans regarding commercialization of mRNA therapeutic opportunities for mRNA, its expectations regarding its product strategies, and its plans regarding commercialization of mRNA therapeutics constitute forward-looking statements. Actual results may differ materially from those indicated by these forward-looking statements as a result of various important factors, including, without limitation, the Company's ability to discover and develop novel drug candidates and delivery approaches, the Company's ability to successfully demonstrate the efficacy and safety of its drug candidates, the pre-clinical and clinical results for its product candidates, which may not support further dovelopment of product candidates, the pre-clinical and clinical results for its product candidates, which may not support further dovelopment of product candidates, the actions of regulatory agencies, which may affect the initiation, timing and progress of clinical trials, obtaining maintaining and protecting intellectual property, the Company's ability to enforce its patents against infringers and defend its patent portfolio against challenges from third parties, obtaining regulatory approval for products, competition from others using technology similar to the Company's and others developing products for similar uses, the Company's ability to manage operating expenses, the Company's ability to obtain additional funding to support its business activities and establish and maintain strategic business alliances and now business initiatives,



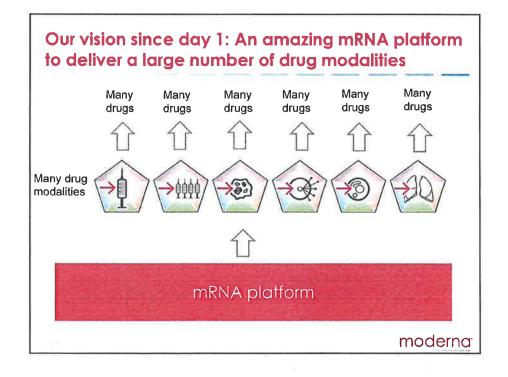




Four value drivers present a unique opportunity for mRNA medicines and financial returns

- 1. Product abundance:
 - Any type of protein or variants (native proteins, antibodies, viral proteins)
 - Hundreds of previously undruggable targets
- 2. Higher PTS (probability of technical success):
 - Platform technology allows de-risking of drugs in the same modality
 - Rational drug design to follow disease biology, including mRNA combinations in the same vial
- 3. Speed:
 - Faster research to turn ideas into reality
 - Faster early development to generate clinical data
- 4. Manufacturing advantages:
 - Lower COGS than biologics due to cell-free process
 - De-risked capital expenditures manufacturing infrastructure serves all pipeline drugs

moderna 1) Looking back 6 years 2) Next 10 years

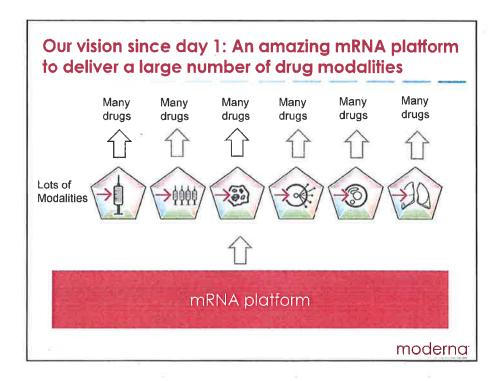


- We are the leading mRNA platform and continue to invest like it's the beginning of the journey
- We and our partners are discovering and developing an unprecedented breadth of meaningful vaccines and therapeutics
- We integrate automation and digital technology into everything we do
- We are one team achieving the extraordinary by being agile, highly networked and deeply committed to our Mission
- · We believe corporate citizenship means we do the right thing in the right way

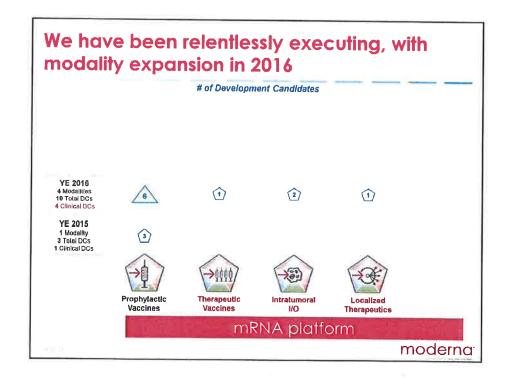
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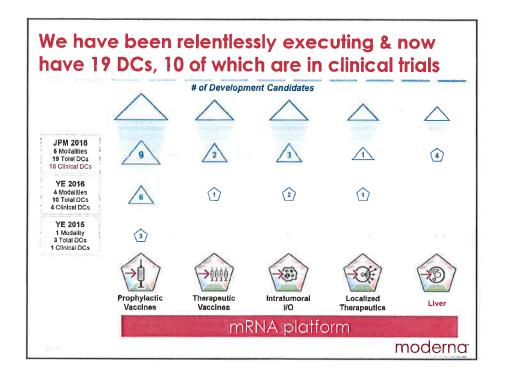
Over 300 scientists and engineers dedicated to mRNA platform research across chemistry, biology, formulation, and technical operations Committed to \$100mm annual investment in the mRNA platform Unrivaled scale: \$500mm invested so far in the Moderna platform Time

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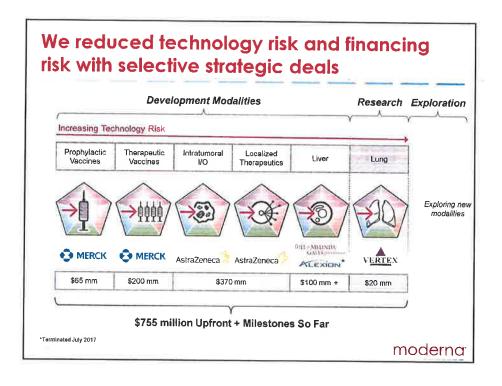








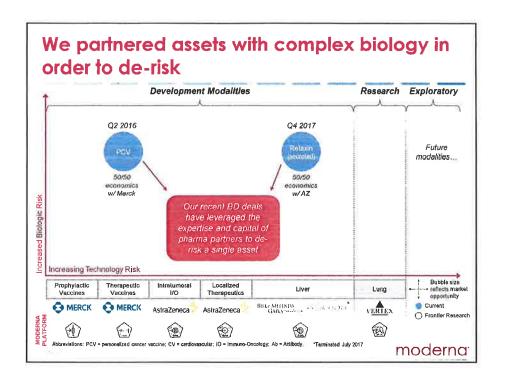
moderna Risk Management

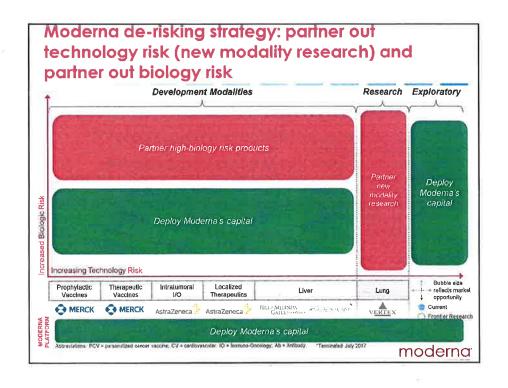


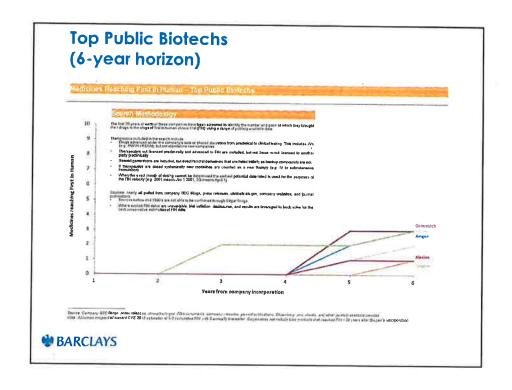
We manage biology risk for products within modalities

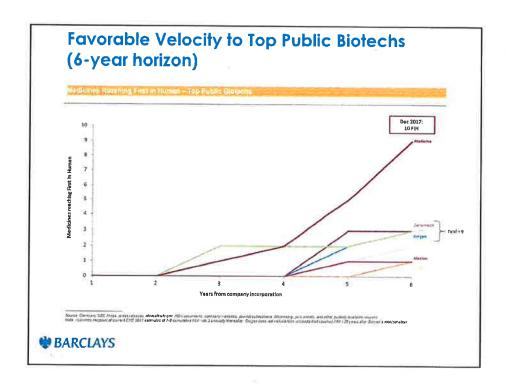
For new drugs in development modalities (where the technology is de-risked)

- (1) We deploy our capital toward a product if the following are all true:
 - (a) large market opportunity
 - (b) no/limited competition, or our product can be highly differentiated
 - (c) low biology risk (mechanism for treating the disease is well understood)
- (2) We partner a product if risks are higher:
 - (a) Commercial risk
 - (b) Biology risk
 - e.g., PCV with Merck (high biology risk, I/O competition)
 Relaxin with AZ (high biology risk, existing HF drugs)

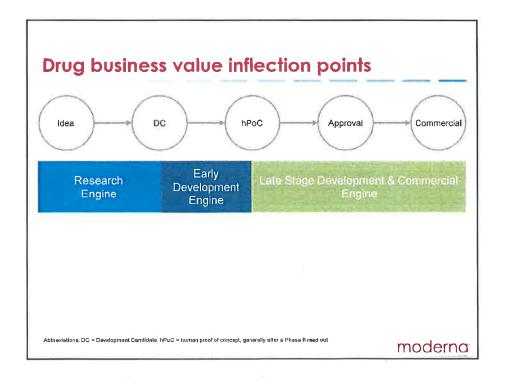


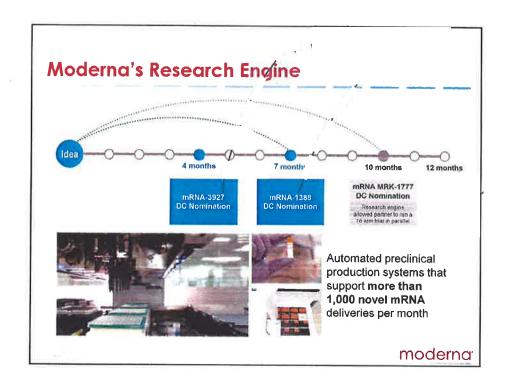


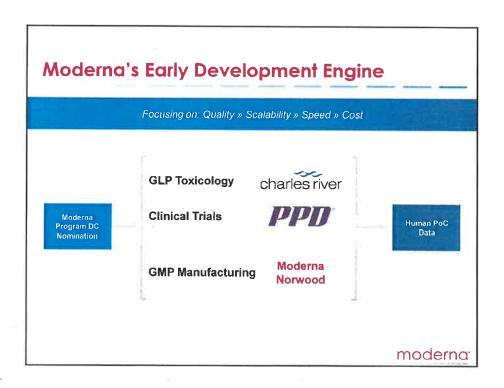




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Moderna Norwood Approx. Sq. Footage: 200,000 Long term Lease Signed: Aug 2016 Anticipated Site Open: Mid-2018 Moderna Norwood Approx. Sq. Footage: 200,000 Long term Lease Signed: Aug 2016 Anticipated Site Open: Mid-2018 Mid-2018 # of Employees: 220 Annual Capacity: Up to 100 GMP lots moderna:

Moderna vision

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 of the journey
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Talent: A *Science* Top Employer for 3rd Year in a Row



	2217 Ra	2016 Hairk	2015 Haris	Employer (See See See See See See See See See Se
	1	1	2	Regeneron (Tarrytown, 117)
	2	6	1	Novozymes (Bagovasrd, Darmack)
1	3	5	4	Vertex Pharmaceuticals (Boston, MA)
1	4	11	17	Merck KGaA (Dimmstadt, Germany)
	5	2	1	Nevo Nordisk (Bassyseed, Decmath)
	6	3	7	Moderna Therapeutics (Cambridge, HA)
Ĩ	7	7	6	Genentech (South San Francisco, CA)
1	8	4	11	Eli Lifly and Company (Indianapolis, #6)
1	9	9	13	Biocon (Bangalore, India)
ı	10	12	10	AbbVie (North Chicago, IL)
1	11		4:	AstraZeneca/Medimmune (Cambrogs, Ut)
Ì	12	14	Ŀ	Syngenta (Basel, Switzerland)
1	13	10	8	Roche—exclusing Generatech (Basel, Sextoniand)
ļ	14	19	- 21	Novartis (Basel Switzerland)
1	15	15	14	Abbott (Aboott Park, IL)
1	16	16	15	Bochringer Ingelbeim (Ingeholm, Germany)
1	17			Merck & Company (Kenhoczi, HJ)
Į	18	13	9	Monsanto Company (Crera Cour, 110)
1	19	17	12	Celgene Corporation (Surrent, NJ)
İ	20			Lundbeck (Ospenhagen, Denmark)



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Talent: Executive Committee



Stéphane Bancel

Chief Executive Officer (previously CEO at bloMérieux, managing director at Lilly)



Stephen Hoge, MD

President (previously partner at McKinsey, physician)



Lorence Kim, MD

Chief Financial Officer (previously managing director at Goldman Sachs)



Marcello Damiani

Chief Digital Officer (previously at bioMérieux, Molorola)



Tal Zaks, MD, PhD

Chief Medical Officer (previously head of global oncology at Sanofi)



Juan Andres

SVP of Late Stage Technical Development & Manufacturing (previously head of manufacturing at Novartis)



Annie Drapeau

Chief Human Resources Officer (previously at Bain Capital, Iron Mountain)



Steve Harbin

Chief of Staff, Chief Sustainability Officer lipreviously at bloMerieux,



John Mendtein

President, Corporate and Product Strategy (previously CEO of aTyr)

Talent: World Class Board of Directors



Noubar Afeyan, PhD Co-founder and Chairman, Moderna: CEO, Flagship Pioneering



Stéphane Bancel
Chief Execulive Officer
(previously CEO at
bloMérieux, managing
director at Lilly)



Moncef Slaoul, PhD
Former Chairman of Global
Vaccines, GloxoSmilhKfne
PLC



Elizabeth Nabel, MD President, Brigham Health: Former Director of NHLBI



John Mendlein, PhD Former CEO aTyr



Robert Langer, ScD Academic Co-Founder, Moderna: David H., Koch Institute Professor, MIT



Stephen Berenson

Executive Parlner, Flagship
Pioneering:
Former Vice Chairman of
IP Meroan Investment Bank



Peter Barton Hutt, JD

Senior Counsel, Covington
& Burling:
Former Chief Counsel for the FDA



Israel Ruiz

Executive Vice President and Treasurer.

Massach usetts Institute of Technology

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Talent: World Class Scientific Advisory Board



Jack Szostak, PhD

Moderna SAB chairman, (since 2011): 2009 Nobel Prize in Medicine: Professor of Genetics. Harvard Medical School



Robert Langer, ScD Moderna academic cofounder: David H. Koch Institute Professor, MIT



Colin R. Gardner, PhD Previously senior Merck executive



Rachel Green, PhD Professor of Molecular Biology and Genelics, Johns Hopkins University



Michael Dlamond, MD PhD Head, Division of Infectious Diseases, Washington University School of Medicine



Sander G. Mills, PhD Previously Head of Global Chemistry, Merck



Ron Eydelloth, DVM

Previously senior executive at GSK & Merck



Wilch H., von Andilan, MD Mallinckradt Professor of Immunopathology, Harvard Medical School



Ralph Weissleder, MD PhD Thrall Professor of Radiology & Professor of Systems Biology, Harvard Medical School

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Corporate Citizenship @ Moderna

- Medicines: We form Private-Public partnerships to research and develop products that present limited commercial opportunity, but which are important for the world: DARPA, BARDA, Gates Foundation
- Employees: We are a top employer (Science, Boston Globe...): culture, healthcare plan, benefits, training, ...
- Environment: We reduce our footprint on the environment: recycling, promotion of public transportation incentives, promotion of electric car incentives, solar roof panels in Norwood, ...
- Community: We engage with our local communities: Pine Street shelter, Habitat for Humanity, ...

Moderna vision is intact 6 years into our history

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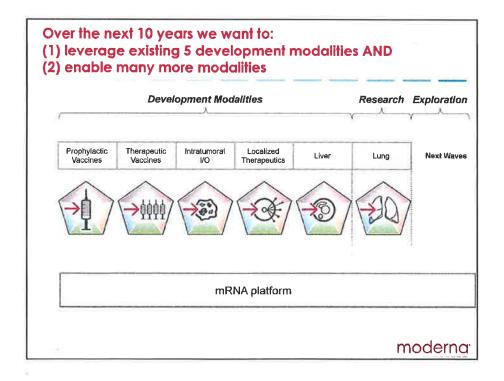
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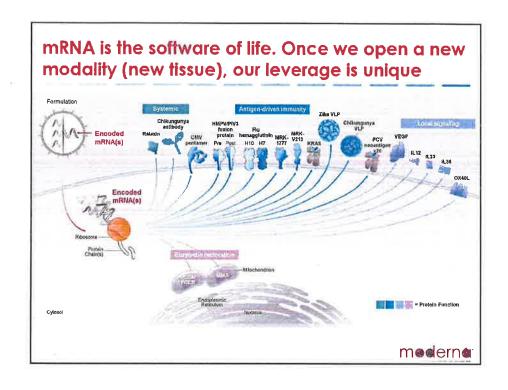
Vision without Execution..

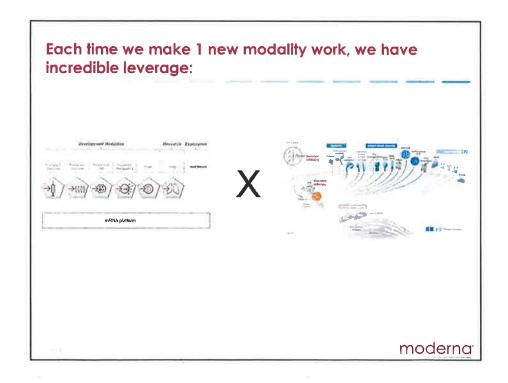
..is just hallucination

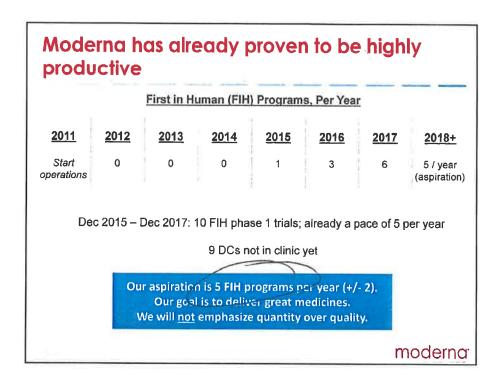
Thomas Edison

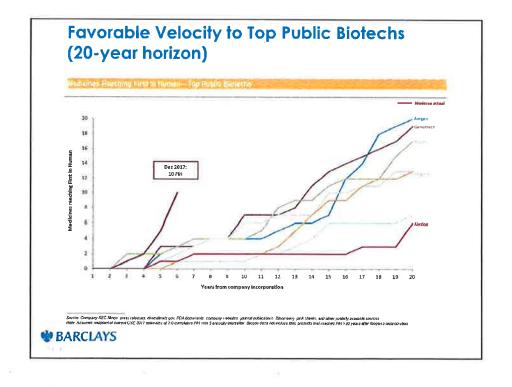
moderna Next 10 years



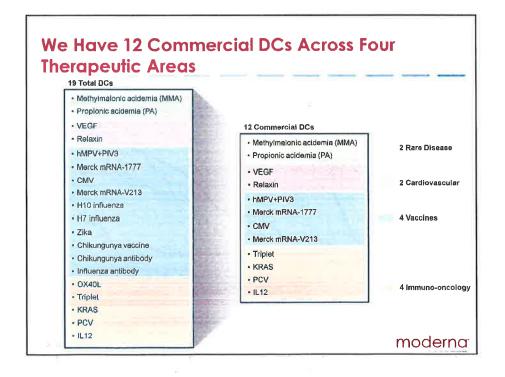


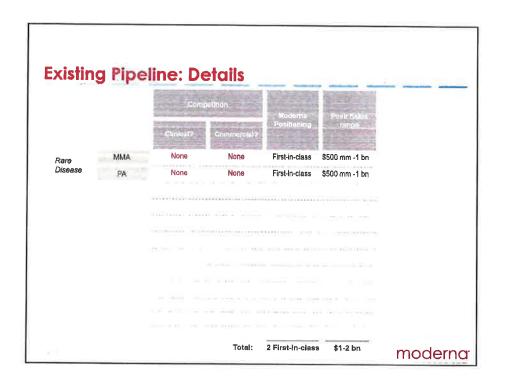


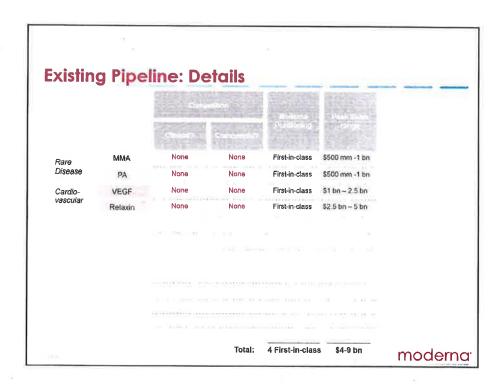




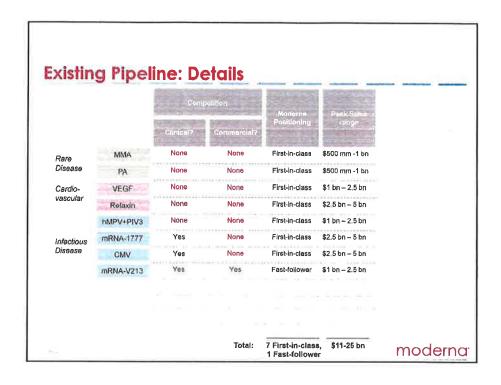
Moderna Value Drivers
(1) Existing Pipeline
(2) New DCs in Existing Modalities
(3) New DCs in New Modalities
Cash
Total
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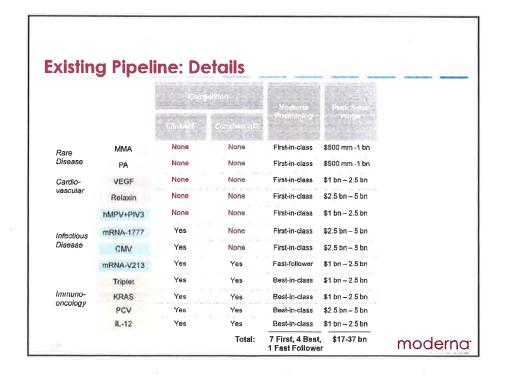






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Peak Sales range 7 First-in-class programs \$10-22 bn 4 Best-in-class programs \$6-13 bn 1 Fast Follower program \$1-2 bn 12 Total \$17-37 bn

Moderna Value Drivers	
(1) Existing Pipeline	
(2) New DCs in Existing Modalities	
(3) New DCs in New Modalities	
Cash	-
Total	
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2018-2019 Priorities

- Execute on our 19 DCs currently in the pipeline initiate several phase 2 trials
- Create important new DCs in our existing 5 modalities, with a priority on rare diseases
- Continue to build the infrastructure to deliver on the promise of our broad mRNA platform
- Continue to invest in mRNA science and technology it is still only the beginning

