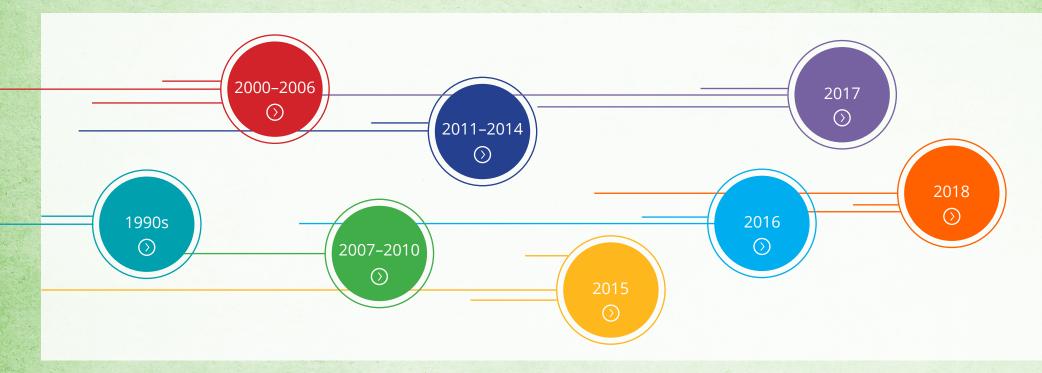
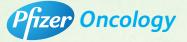
#### PFIZER ONCOLOGY:

### NEARLY TWO DECADES OF TRANSFORMING CANCER CARE

Pfizer's commitment to oncology began nearly two decades ago. Today, our extensive portfolio of cancer therapies continues to break boundaries in cancer care with comprehensive and cutting-edge treatment options that have one clear mission: addressing the diverse needs of people across the cancer care community.

**Click on the timeline below** to learn more about key Pfizer Oncology milestones. Learn more about Pfizer Oncology at <a href="http://www.pfizer.com/research/therapeutic\_areas/oncology">http://www.pfizer.com/research/therapeutic\_areas/oncology</a>.





#### 1990s

1991

Celltech entered into a collaboration with Wyeth for the research, development and commercialization of antibody cytotoxic conjugates as novel oncology treatments. This led to the discovery of new hematology drugs. Pfizer merged with Wyeth in 2009.<sup>1</sup>

1995

Parke-Davis started the project for a new breast cancer drug. Parke-Davis was acquired by Warner Lambert, which was later acquired by Pfizer in 2000. Synthesis of the drug occurred in 2001.<sup>2</sup>

References: 1. Pharma Intelligence. Accessed September 7, 2018. 2. Science Magazine. Accessed September 7, 2018.

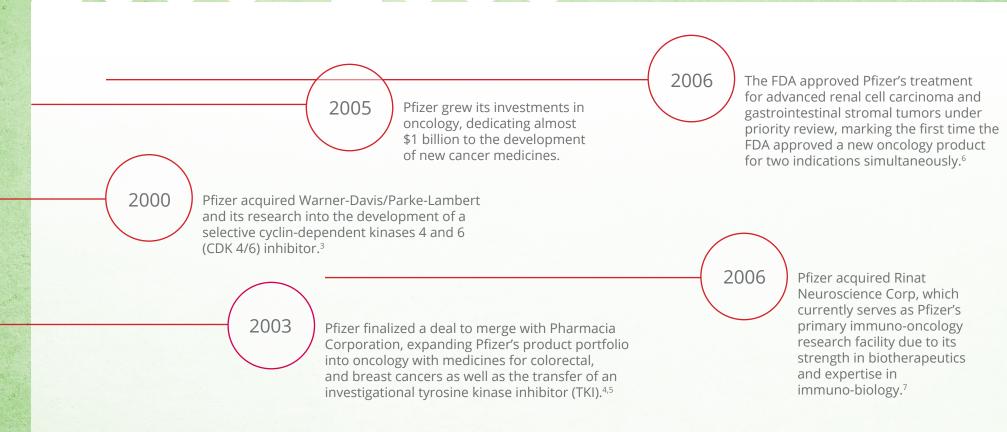








#### 2000-2006



References: 3. McCain J. Pharmacy and Therapeutics. 2015;40(8):511-520. 4. 2003: Pfizer and Pharmacia Merger. Pfizer. http://www.pfizer.com/about/history/pfizer\_pharmacia. Accessed November 28, 2016. 5. Pfizer Drug Targets Gene Flaw to Shrink Lung Tumors (Update1). Bloomberg Businessweek. Accessed November 28, 2016. 6. Pfizer Press Release. Issued January 26, 2006. Accessed October 16, 2017. 7. Pfizer Press Release. Issued April 7, 2016. Accessed May 7, 2018.









#### 2007-2010



References: 8. FDA Press Release. Issued May 30, 2007. Accessed May 9, 2018. 9. Pfizer Press Release. Issued May 14, 2008. Accessed November 28, 2016 10. Pfizer Press Release. Issued May 20, 2008. Accessed May 7, 2018. 11. Pfizer Completes Acquisition Of Wyeth. Pfizer Press Release. Issued October 15, 2009. Accessed November 28, 2016. 12. Pfizer Press Release. Issued December 2, 2010. Accessed October 16, 2017.









#### 2011-2014

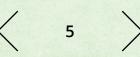
2014 Pfizer collaborated with Cellectis to develop chimeric antigen receptor 2012 The FDA approved an additional T-cell (CAR-T) immunotherapies.<sup>17</sup> Pfizer treatment for patients with previously treated advanced renal cell carcinoma.14 2013 Pfizer's cyclin-dependent kinases 4 and 6 2011 The FDA approved Pfizer's treatment (CDK 4/6) inhibitor received Breakthrough for ALK-positive metastatic non-small Therapy designation by the FDA.<sup>16</sup> cell lung cancer, representing a new chapter in biomarker-driven therapy for lung cancer.<sup>13</sup> 2014 Pfizer entered into an alliance with Merck KGaA to jointly 2012 The FDA approved Pfizer's treatment for develop and commercialize patients with previously treated chronic an investigational anti-PD-L1 myelogenous leukemia. This approval marked IgG1 monoclonal antibody.18 the third new Pfizer Oncology medicine to be approved by the FDA in a 13-month span. 15

References: 13. Pfizer Press Release. Issued August 26, 2011. Accessed November 28, 2016. 14. Pfizer Press Release. Issued January 27, 2012. Accessed on October 16, 2017.

15. Pfizer Press Release. Issued September 4, 2012. Accessed November 28, 2016. 16. Pfizer Press Release. Issued April 10, 2013. Access November 28, 2016.

17. Pfizer Press Release. Issued June 18, 2014. Accessed December 15, 2016. 18. Pfizer Press Release. Issued November 17, 2014. Accessed November 28, 2016.







#### 2015

Pfizer and Merck KGaA's investigational compound is granted Breakthrough Pfizer and Servier entered into a collaboration agreement to Therapy designation in metastatic co-develop and commercialize an allogeneic chimeric antigen Merkel cell carcinoma.<sup>24</sup> receptor T-cell (CAR-T) immunotherapy asset developed through Cellectis's TALEN® gene-editing technology. 19 Pfizer entered into a long-term agreement with Thermo Fisher Scientific Pfizer and Hospira entered into a to develop and commercialize a multidefinitive merger agreement under marker, universal next-generation which Pfizer will acquire Hospira, The FDA approved sequencing (NGS) oncology test that will the world's leading provider of Pfizer's CDK 4/6 inhibitor, serve as a companion diagnostic (CDx) injectable oncology drugs and making it the first CDK for non-small cell lung cancer across infusion technologies and a global 4/6 inhibitor to be multiple drug development programs.<sup>25</sup> leader in biosimilars.21 approved in the U.S.<sup>20</sup> Pfizer's investigational compound for acute The FDA granted Breakthrough lymphoblastic leukemia Therapy designation for Pfizer's ALK is granted Breakthrough inhibitor in a second rare form of Therapy designation.<sup>23</sup> non-small cell lung cancer.22

References: 19. Cellectis, Servier and Pfizer Press Release. Issued November 19, 2015. Accessed January 4, 2017. 20. Pfizer Press Release. Issued February 3, 2015. Accessed November 28, 2016. 21. Pfizer Press Release. Issued April 21, 2015. Accessed December 12, 2016. 23. Pfizer Press Release. Issued April 21, 2015. Accessed December 12, 2016. 23. Pfizer Press Release. Issued October 19, 2015. Accessed November 28, 2016. 24. Pfizer and Merck Press Release. Issued November 18, 2015. Accessed December 12, 2016. 25. Thermo Fisher Scientific Press Release. Issued November 18, 2015. Accessed 29, 2017.









# 2016



The FDA approved Pfizer's treatment for an additional indication in ROS1-positive advanced non-small cell lung cancer.<sup>27</sup>



Pfizer completed the acquisition of Medivation, expanding Pfizer's oncology product portfolio to include an approved product in prostate cancer and two investigational medicines.<sup>26</sup>

References: 26. Pfizer Press Release. Issued September 28, 2016. Accessed November 28, 2016. 27. Pfizer Press Release. Issued March 11, 2016. Accessed March 24, 2017.











Pfize Moo acce

Pfizer joined the Cancer Moonshot initiative to accelerate cancer research.



The FDA approved Pfizer's treatment for adults with newly diagnosed CD33-positive acute myeloid leukemia (AML), and adults and children two years and older with relapsed or refractory CD33-positive AML. This treatment is the first therapy with an indication that includes pediatric AML.<sup>32</sup>



Pfizer launched novel patient assistance programs, *This is Living with Cancer™* and *Pfizer Oncology Together™*, to help patients manage life with cancer.<sup>28</sup>

The FDA approved
Pfizer's treatment for adults with relapsed or refractory B-cell precursor acute lymphoblastic leukemia.<sup>31</sup>

The FDA expanded the indication for Pfizer's chronic myeloid leukemia treatment to include newly diagnosed patients, marking the third U.S. hematology approval for Pfizer in the span of five months.<sup>34</sup> This indication was later approved by the European Commission in April 2018.<sup>35</sup>



The FDA approved Pfizer and Merck KGaA's treatment for metastatic Merkel cell carcinoma, making it the only FDA-approved treatment for this patient population and Pfizer's first approved immunotherapy.<sup>29</sup> This product was later approved for a second indication in locally advanced or metastatic urothelial carcinoma.<sup>30</sup>



The FDA approved a new indication expanding the use of Pfizer's treatment to include the adjuvant treatment of adult patients at high risk of recurrent renal cell carcinoma following nephrectomy (surgical removal of the cancerous kidney). This is the first FDA-approved adjuvant treatment for renal cell carcinoma.<sup>33</sup>

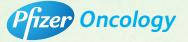
The FDA granted Breakthrough Therapy designation to Pfizer and Merck KGaA's combination treatment in advanced renal cell carcinoma.<sup>36</sup>

References: 28. Pfizer Press Release. Issued October 5, 2017. Accessed May 7, 2018. 29. Pfizer Press Release. Issued March 23, 2017. Accessed on March 24, 2017. 30. Pfizer Press Release. Issued May 9, 2017. Accessed on May 7, 2018. 31. Pfizer Press Release. Issued August 17, 2017. Accessed on September 29, 2017. 32. Pfizer Press Release. Issued September 1, 2017. Accessed on September 29, 2017. 33. Pfizer Press Release. Issued November 17, 2017. Accessed on April 19, 2018. 34. Pfizer Press Release. Issued December 19, 2017. Accessed on April 20, 2017. 35. Pfizer Press Release. Issued December 21, 2017. Accessed on April 20, 2018. 36. Pfizer Press Release. Issued December 21, 2017. Accessed on April 20, 2018.

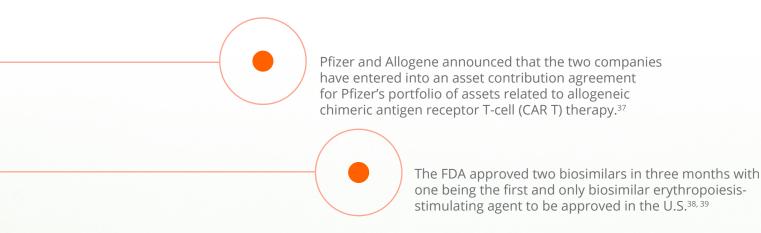








## 2018



The FDA approved four treatments for advanced forms of cancer in two months, including two in metastatic non-small lung cancer, one in metastatic breast cancer, and one in acute myeloid leukemia. 40, 41, 42, 43

Pfizer adds biosimilars portfolio to the oncology business unit to bring the total number of approved medicines to 17.44

Reference: 37. Pfizer Press Release. Issued April 3, 2018. Accessed on April 20, 2018. 38. Pfizer Press Release. Issued May 15, 2018. Accessed on February 20, 2019.

- 39. Pfizer Press Release. Issued July 20, 2018. Accessed on February 20, 2019. 40. Pfizer Press Release. Issued September 27, 2018. Accessed on January 30, 2019.
- 41. Pfizer Press Release. Issued October 16, 2018. Accessed on January 30, 2019. 42. Pfizer Press Release. Issued November 2, 2018. Accessed on January 30, 2019.
- 43. Pfizer Press Release. Issued November 21, 2018. Accessed on January 30, 2019. 44. Pfizer Press Release. Issued July 31, 2018. Accessed on February 18, 2019.





