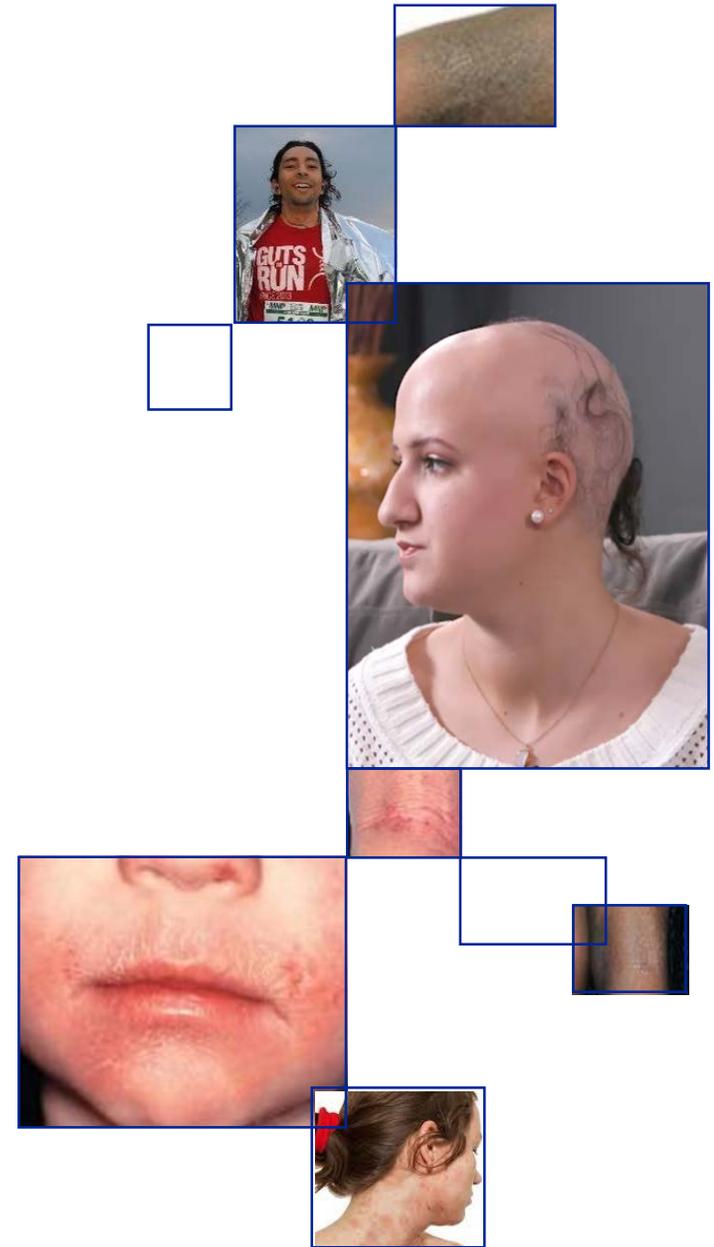


# Inflammation & Immunology



## Forward-Looking Statements and Other Notices

Our discussions during Pfizer's Investor Day include forward-looking statements about our anticipated future operating and financial performance, business plans and prospects; expectations for our product pipeline, in-line products and product candidates, including anticipated regulatory submissions, data read-outs, study starts, approvals, revenue contribution, growth, performance, timing of exclusivity and potential benefits; manufacturing and product supply; our efforts to respond to COVID-19, including our investigational vaccine candidate against SARS-CoV-2 and our investigational protease inhibitor, and our expectations regarding the impact of COVID-19; our ability to successfully capitalize on growth opportunities and prospects; plans for and prospects of our acquisitions and other business development activities, including our proposed transaction with Mylan N.V. (Mylan) to combine Upjohn and Mylan to create a new global pharmaceutical company; plans relating to share repurchases and dividends; and other statements about our business, operations and financial results that are each subject to substantial risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements. Among other things, statements regarding revenue and earnings per share growth; the development or commercial potential of our product pipeline, in-line products, product candidates and additional indications, including expected clinical trial protocols, the timing of the initiation and progress of clinical trials and data read-outs from trials; the timing for the submission of applications for and receipt of regulatory approvals; expected breakthrough, best or first-in-class status, blockbuster status of our medicines or vaccines; and the impact of anticipated improvements to our clinical operation performance are forward-looking and are estimates that are subject to change and clinical trial and regulatory success. These statements are subject to risks, uncertainties and other factors that may cause actual results to differ materially from past results, future plans and projected future results. Additional information regarding these and other factors can be found in Pfizer's Annual Report on Form 10-K for the fiscal year ended December 31, 2019 and in our subsequent reports on Form 10-Q, including in the sections thereof captioned "Risk Factors" and "Forward-Looking Information and Factors That May Affect Future Results", as well as in our subsequent reports on Form 8-K, all of which are filed with the U.S. Securities and Exchange Commission and available at [www.sec.gov](http://www.sec.gov) and [www.pfizer.com](http://www.pfizer.com). Potential risks and uncertainties also include the impact of COVID-19 on our sales and operations, including impacts on employees, manufacturing, supply chain, marketing, research and development and clinical trials. The forward-looking statements in these presentations speak only as of the original date of the presentation and we undertake no obligation to update or revise any of these statements. Today's discussions and presentations are intended for the investor community only; they are not intended to promote the products referenced herein or otherwise influence healthcare prescribing decisions. All trademarks in today's presentations are the property of their respective owners.



Breakthroughs that  
change patients' lives

# Inflammation & Immunology Leadership



**Richard Blackburn**

Global President,  
Inflammation & Immunology



**Mike Corbo**

Chief Development Officer,  
Inflammation & Immunology



**Mike Vincent**

Chief Scientific Officer,  
Inflammation & Immunology

# Unmet Need in Chronic Inflammatory Disease is Enormous

Addressing patient needs depends on matching the right treatment to the right condition

## Gastroenterology

**2M** patients in the U.S. living with inflammatory bowel disease (IBD)<sup>(1)</sup>

Up to **50%** of IBD patients can lose response to TNF inhibitors within 1 year<sup>(2)</sup>

## Rheumatology

**3M** patients in the U.S. living with rheumatoid arthritis (RA)<sup>(3)</sup>

Approx. **80%** of treated moderate-to-severe RA patients do not achieve remission with TNF inhibitors<sup>(4)</sup>

## Medical Dermatology

**32M** patients in the U.S. living with atopic dermatitis (AD)<sup>(5)</sup>

**60%** of AD patients on biologic therapy do not reach “clear” or “almost clear” skin at 16 weeks<sup>(6)</sup>

<sup>(1)</sup> Kappelman MD, et al. Recent trends in the prevalence of Crohn's disease and ulcerative colitis in a commercially insured US population. Dig Dis Sci. 2013;58:519-525.

<sup>(2)</sup> Fine S, Papamichael K, Cheifetz AS. Etiology and management of lack or loss of response to anti-tumor necrosis factor therapy in patients with IBD. Gastroenterology & Hepatology. 2019; 15(12): 656-665.

<sup>(3)</sup> Arthritis Rheum. 2008 Jan;58(1):15-25. Decision Resources (“Pharmacor 2013 Rheum Arth Event Driven”), Table 2-2).

<sup>(4)</sup> Shahouri SH, Michaud K, Mikuls TR, et al. Remission of rheumatoid arthritis in clinical practice: application of the American College of Rheumatology/European League Against Rheumatism 2011 remission criteria. Arthritis and rheumatism. 2011;63(11):3204-3215.

<sup>(5)</sup> Silverberg, Public Health Burden and Epidemiology of Atopic Dermatitis, Dermatol Clin 35 (2017) 283–289.

<sup>(6)</sup> Defined by IGA score of 0 or 1. Regeneron Pharmaceuticals, Inc. Dupixent (dupilumab) package insert. U.S. Food and Drug Administration website URL: [https://www.accessdata.fda.gov/drugsatfda\\_docs/label/2020/761055s020lbl.pdf](https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/761055s020lbl.pdf). Revised May 2020.

# Alopecia Areata (AA) is an Autoimmune Disease Characterized by Hair Loss with Substantial Impact on Patients' Quality of Life

- **No approved treatments**
- **Off-label treatment options (e.g. scalp steroid injections) not appropriate for long term management**

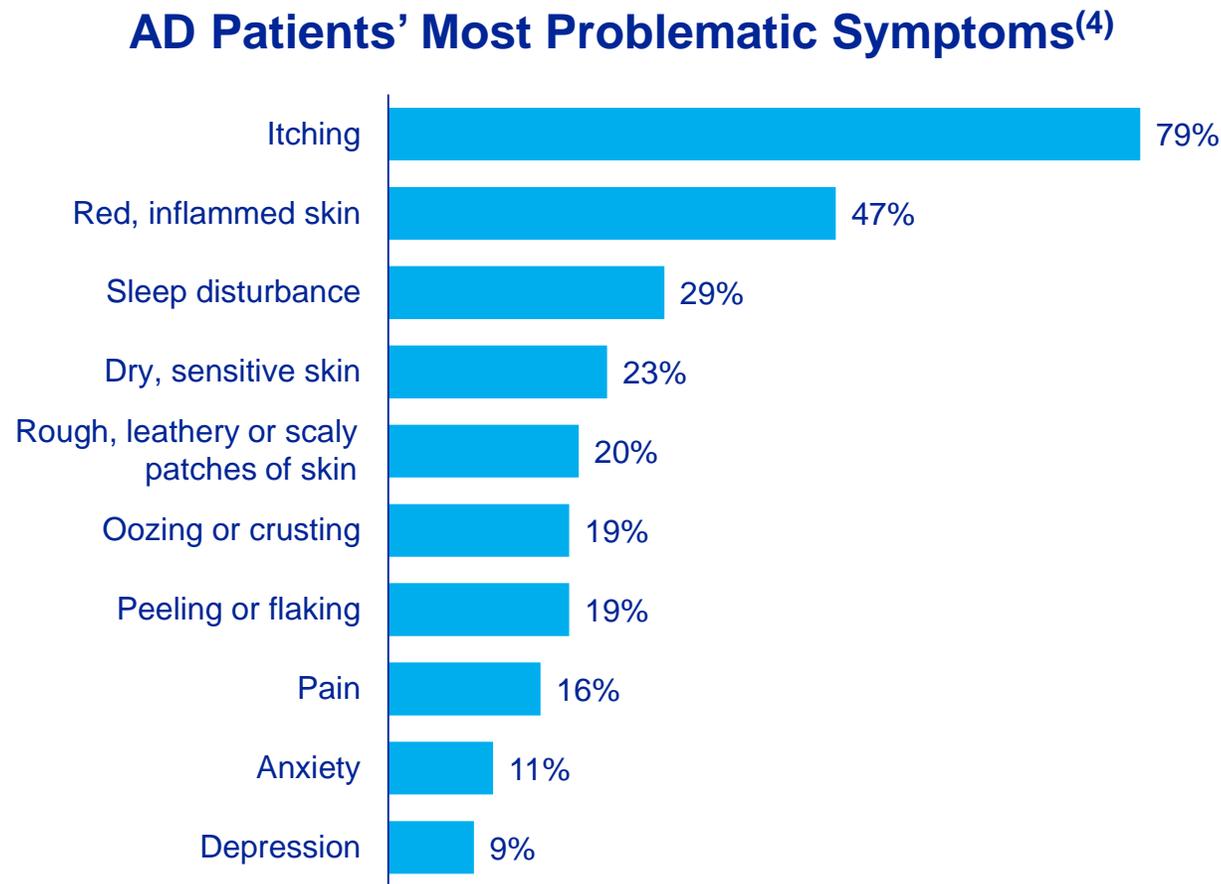
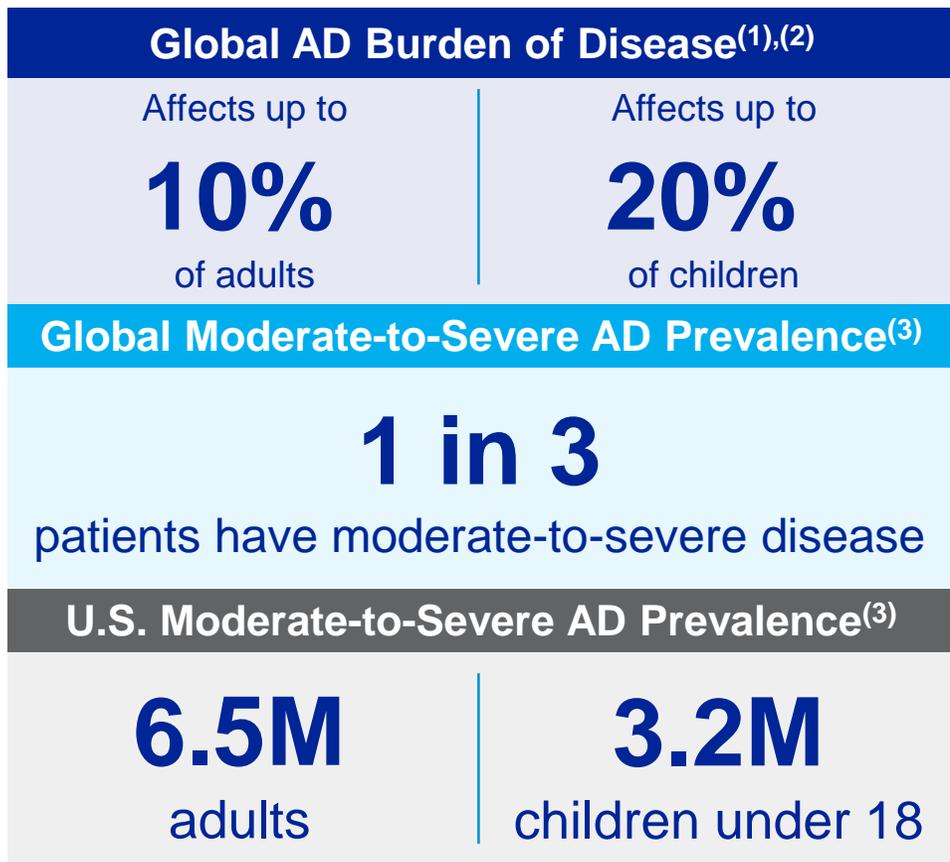
**1.1M**

patients in the U.S.  
living with moderate-to-severe alopecia areata<sup>(1)</sup>

- **Patchy or total hair loss**
- **Some patients lose eyebrows, and/or eyelashes**
- **More than half of patients with AA experience poor health-related quality of life**
- **Can lead to psychological consequences, including depression and anxiety**

<sup>(1)</sup> Benigno M, Anastassopoulos KP, Mostaghimi A, et al. A Large Cross-Sectional Survey Study of the Prevalence of Alopecia Areata in the United States. Clin Cosmet Investig Dermatol. 2020;13:259-266.

# Atopic Dermatitis (AD) has a Large and Growing Global Prevalence with Significant Unmet Need



n=1,508 AD patients

<sup>(1)</sup> Oszukowska M, Michalak I, Gutfreund K, et al. Role of primary and secondary prevention in atopic dermatitis. Postep Derm Alergol. 2015;32(6):409-420

<sup>(2)</sup> Nutten S. Atopic dermatitis: global epidemiology and risk factors. Ann Nutr Metab. 2015;66(suppl 1):8-16

<sup>(3)</sup> Silverberg, Public Health Burden and Epidemiology of Atopic Dermatitis, Dermatol Clin 35 (2017) 283-289

<sup>(4)</sup> More Than Skin Deep "Voice of the Patient" Report, K. Kimberly McCleary, March 2020, pg.70.



Breakthroughs that  
change patients' lives

# Broadest and Most Diverse I&I Pipeline and a Leader in Immunological Mechanisms

Approved Medicines	Submitted or Planned Filings 2020-2022	Phase 1 / 2 Clinical Pipeline															
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 Indicates FDA Breakthrough Therapy Designation

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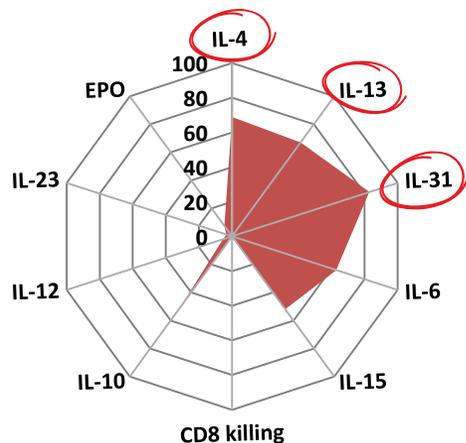


Highlighted in today's presentation

# Aim to Purposefully Match Candidates with Unique Selectivity Profiles with the Greatest Potential to Address Unmet Need

## Abrocitinib

### JAK1

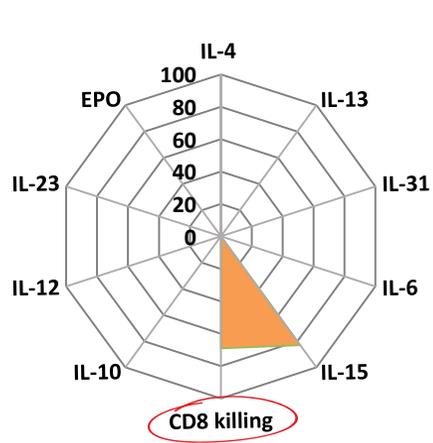


Inhibits IL-4, IL-13 & IL-31

IL-31 believed to be a key cytokine that mediates itch

## Ritlecitinib

### JAK3/TEC

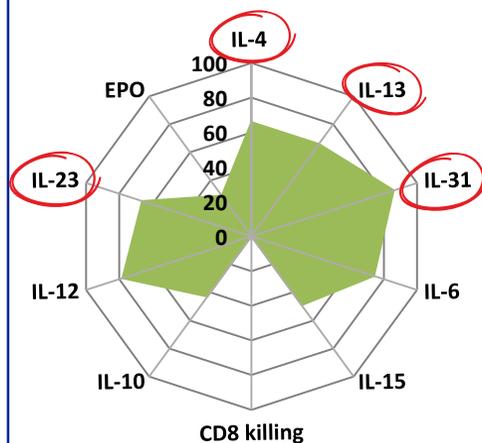


Inhibits IL-15 & CD-8

Both cytokines believed to be key drivers of immune system attack of hair follicles

## Brepocitinib

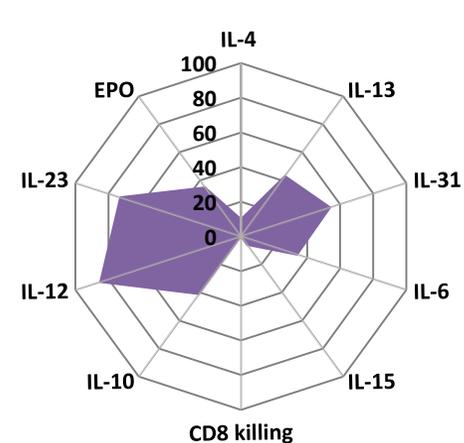
### TYK2/JAK1



Inhibits IL-12, IL-23, and Th2 cytokines

## PF-06826647

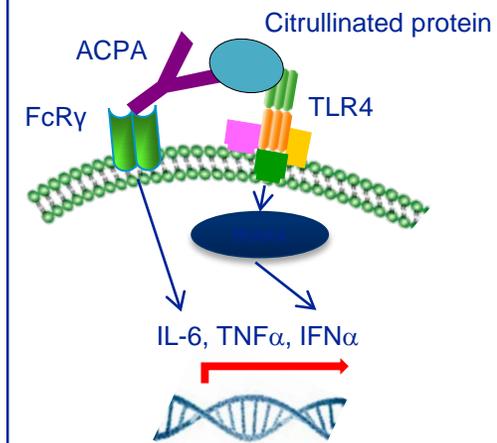
### TYK2



Inhibits IL-12, IL-23

## PF-06650833

### IRAK4

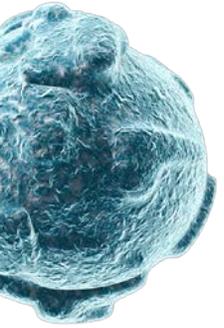


No overlap with JAK cytokines

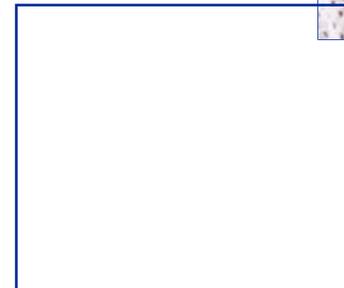
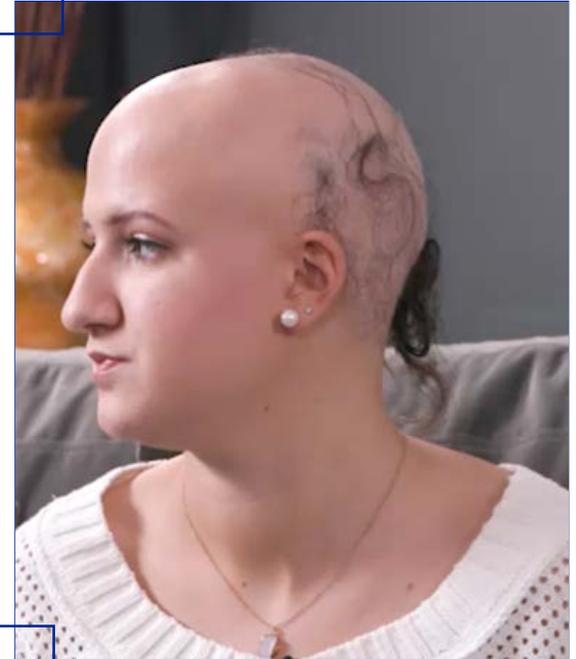
To be evaluated in combination with tofacitinib and with ritlecitinib in rheumatoid arthritis

Differentiated approach based on our expertise in immuno-kinase discovery and development

# RITLECITINIB (JAK3/TEC Inhibitor)



## Potential First-Ever Treatment for Alopecia Areata



# Promising Phase 2 Efficacy Drove Decision to Accelerate Phase 3 Development and FDA Breakthrough Therapy Designation



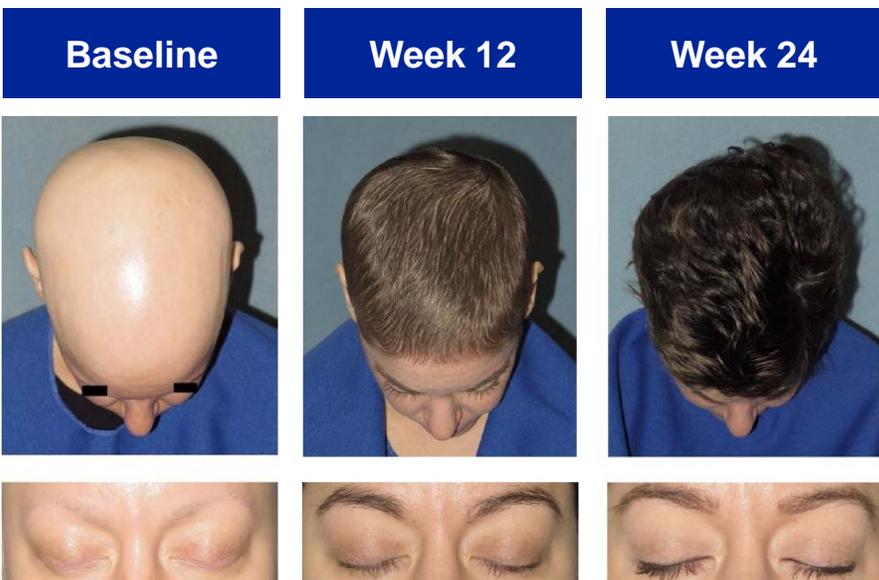
Phase



Weeks

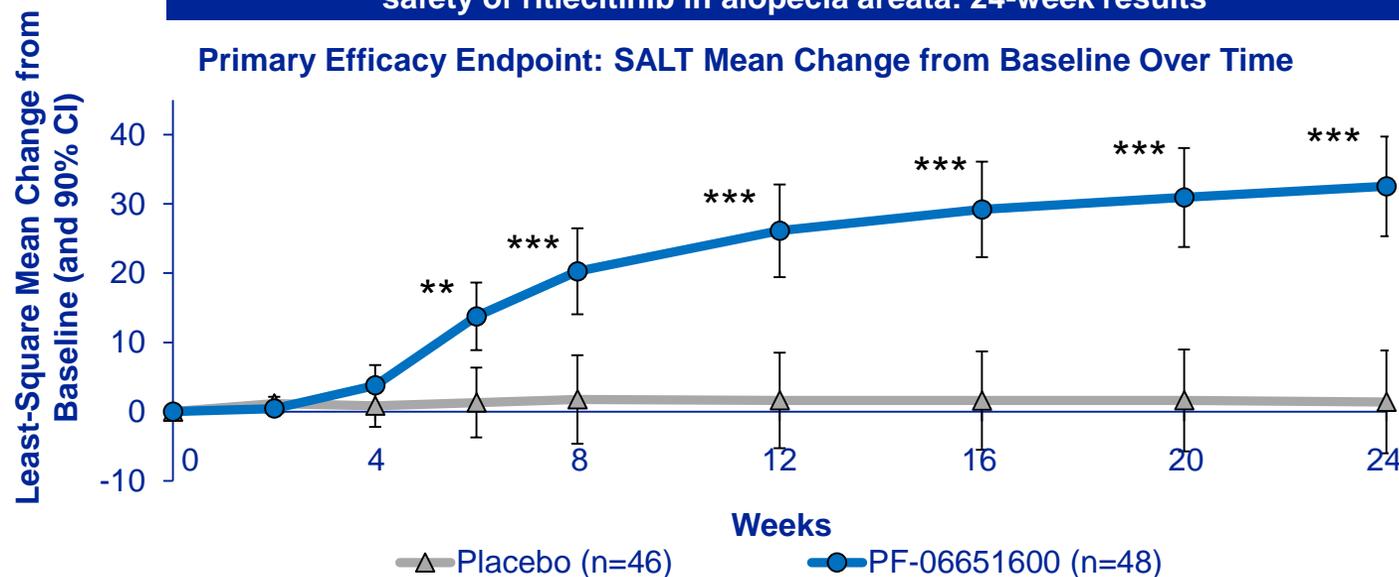


Dosed once daily



A Phase 2a randomized, placebo-controlled study to evaluate efficacy and safety of ritlecitinib in alopecia areata: 24-week results

Primary Efficacy Endpoint: SALT Mean Change from Baseline Over Time



\*\* P<0.01, \*\*\* P<0.001 vs. placebo

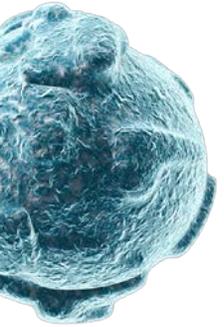
Data originally presented at European Academy of Dermatology and Venereology Annual Congress 2018.

Pivotal data anticipated in third-quarter 2021; Potential for regulatory filings by early 2022



Breakthroughs that change patients' lives

# TOPICAL BREPOCITINIB (TYK2/JAK1 Inhibitor)



**Potential Novel Topical Treatment Option for Patients with Mild-to-Moderate Atopic Dermatitis**



# Topical Brepocitinib: Phase 2 Data Indicate Strong Dose-Dependent Efficacy; 42% of Patients in the 3% Once-Daily Cohort Achieved EASI-90 Response by Week 6



Phase



Weeks



Applied once daily

**Brepocitinib: A single molecule designed to target two distinct mechanisms**

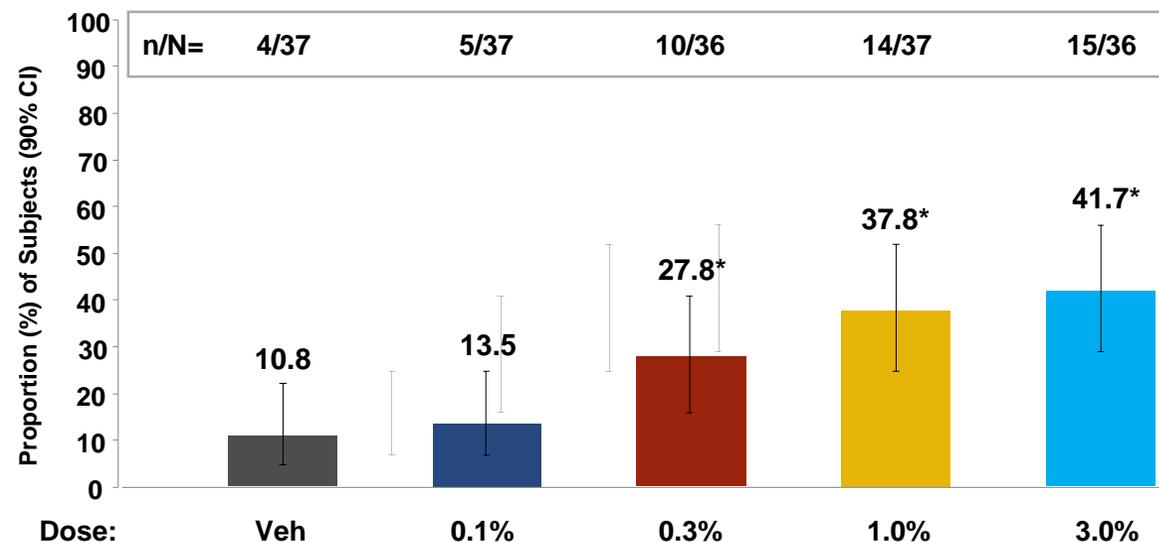


**Inhibition of TYK2 blocks the Th17 axis which is important in psoriasis and some forms of atopic dermatitis**

**Inhibition of JAK1 blocks the Th2 axis, which is important in atopic dermatitis**

**A Phase 2a randomized, placebo-controlled study to evaluate efficacy and safety of topical brepocitinib in mild-to-moderate atopic dermatitis**

**Proportion of patients achieving EASI-90 response at week 6**



Breakthroughs that change patients' lives

# Topical Brepocitinib Impact: A Patient Journey

*20 Year-Old White Male from 1% Arm of the Phase 2a study*

**Baseline**



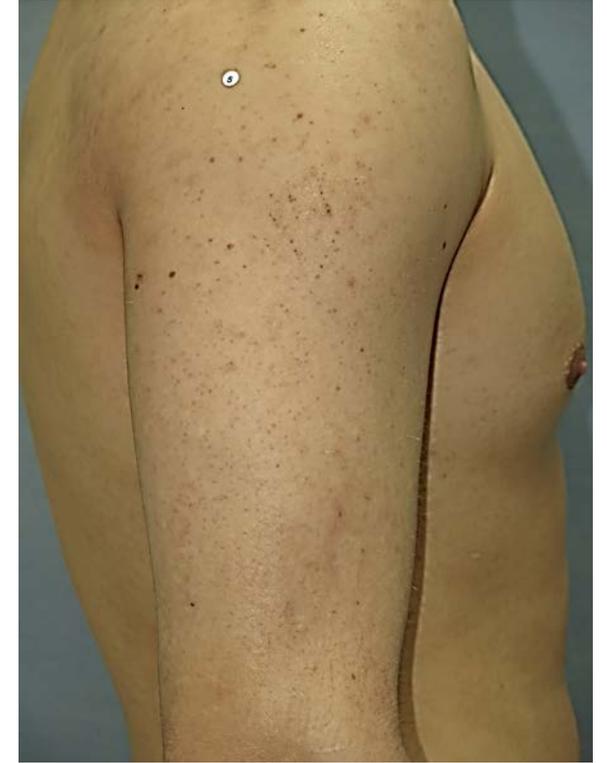
**EASI: 15.6**  
**IGA: Moderate**

**Week 2**



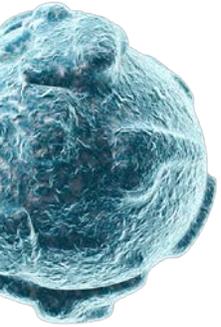
**EASI: 7.8 (50% improvement from baseline)**  
**IGA: Mild**

**Week 6**

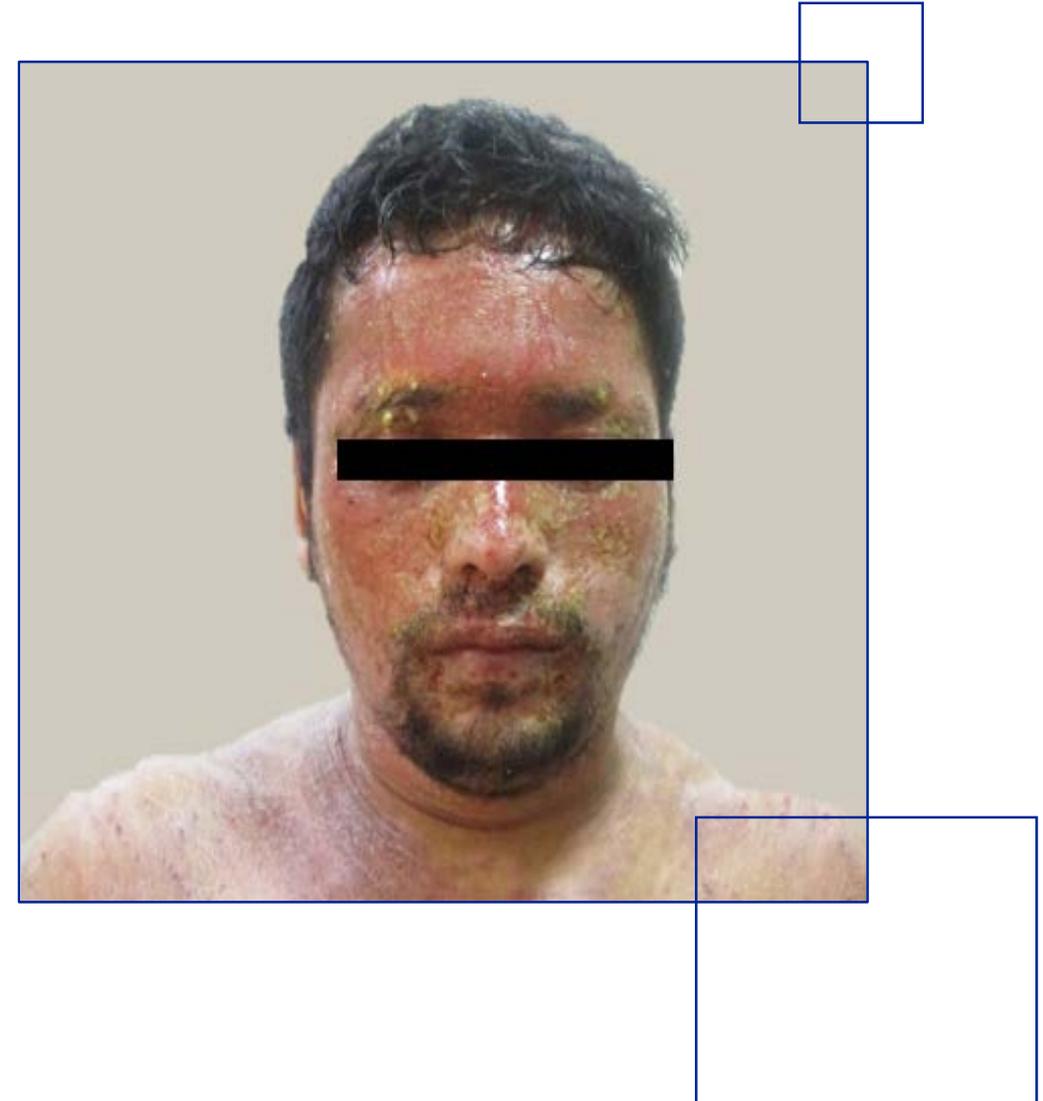


**EASI: 2.6 (83% improvement from baseline)**  
**IGA: Almost clear**

# ABROCITINIB (JAK1 Inhibitor)

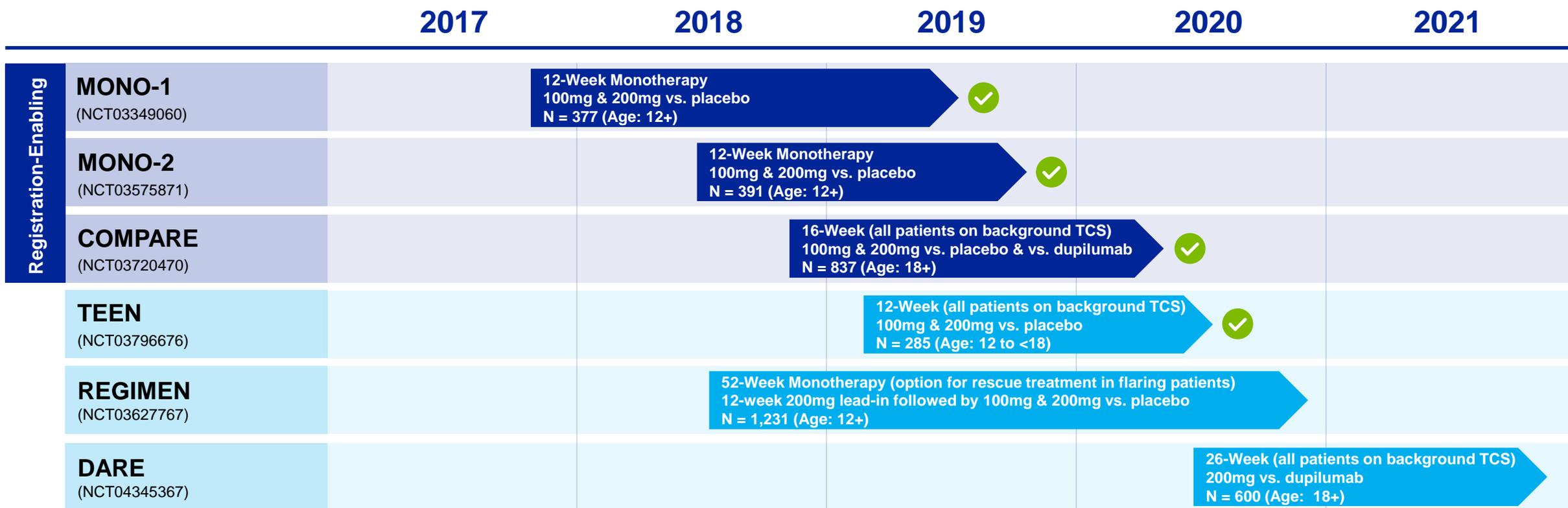


**Novel, Orally-Administered  
Potential New Treatment Option  
for Patients with Moderate-to-  
Severe Atopic Dermatitis**



# JADE MONO-1, JADE MONO-2 and JADE COMPARE

## Support Our Initial Regulatory Filings for Abrocitinib



TCS represents topical therapy, including topical corticosteroids

Eligible subjects in the trials listed above that completed the treatment period of a study had the option to enter a long-term extension (LTE) study, B7451015. Subjects discontinuing early from treatment, or who were otherwise ineligible for the LTE study, entered a 4-week off-treatment follow up period.

NOTE: JADE is an acronym for JAK1 Atopic Dermatitis Efficacy and Safety global development program.

✓ indicates positive top-line report for completed studies

NOTE: Future timings are approximate and subject to change

**U.S. regulatory filing for abrocitinib submitted in August 2020; Potential U.S. approval in first-half 2021**



Breakthroughs that  
change patients' lives

# Pooled JADE MONO-1 & MONO-2 Results Demonstrated Statistically Significant Proportion of Patients Achieved EASI-90 with Both Doses of Abrocitinib at 12 Weeks



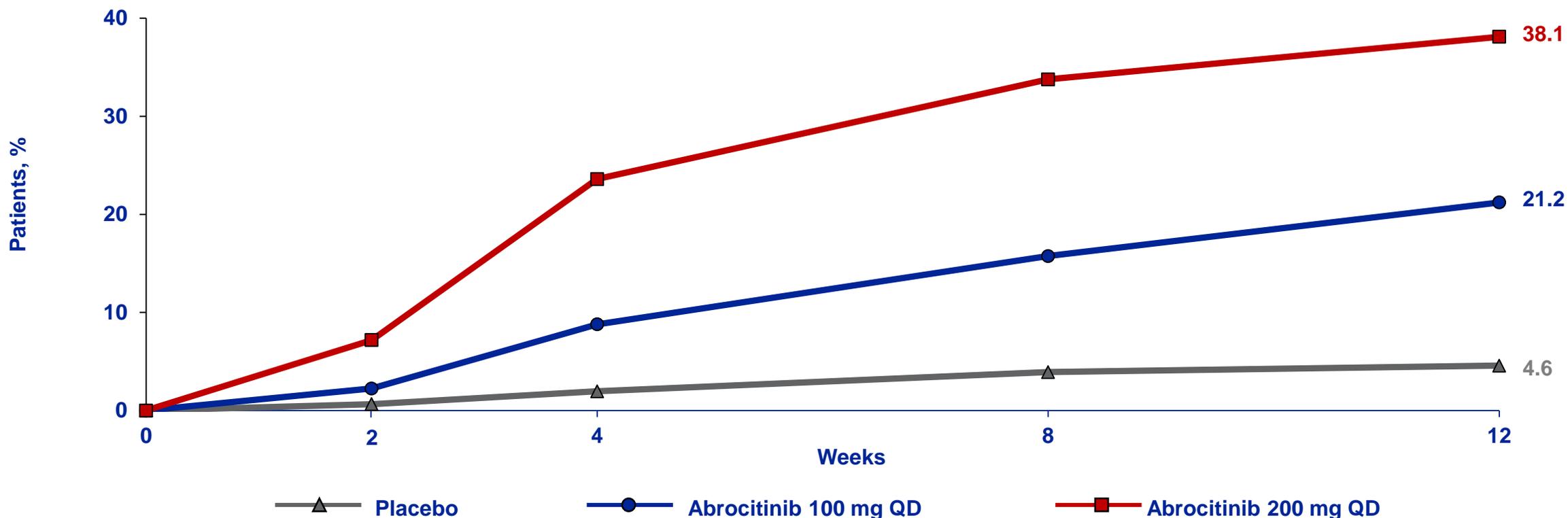
Phase



Weeks



Dosed once-daily



Breakthroughs that change patients' lives

# Peak Pruritis Numerical Rating Scale: Pooled Results of JADE MONO-1 & MONO-2 Demonstrated Both Doses of Abrocitinib Decreased Itch in First 2 Weeks



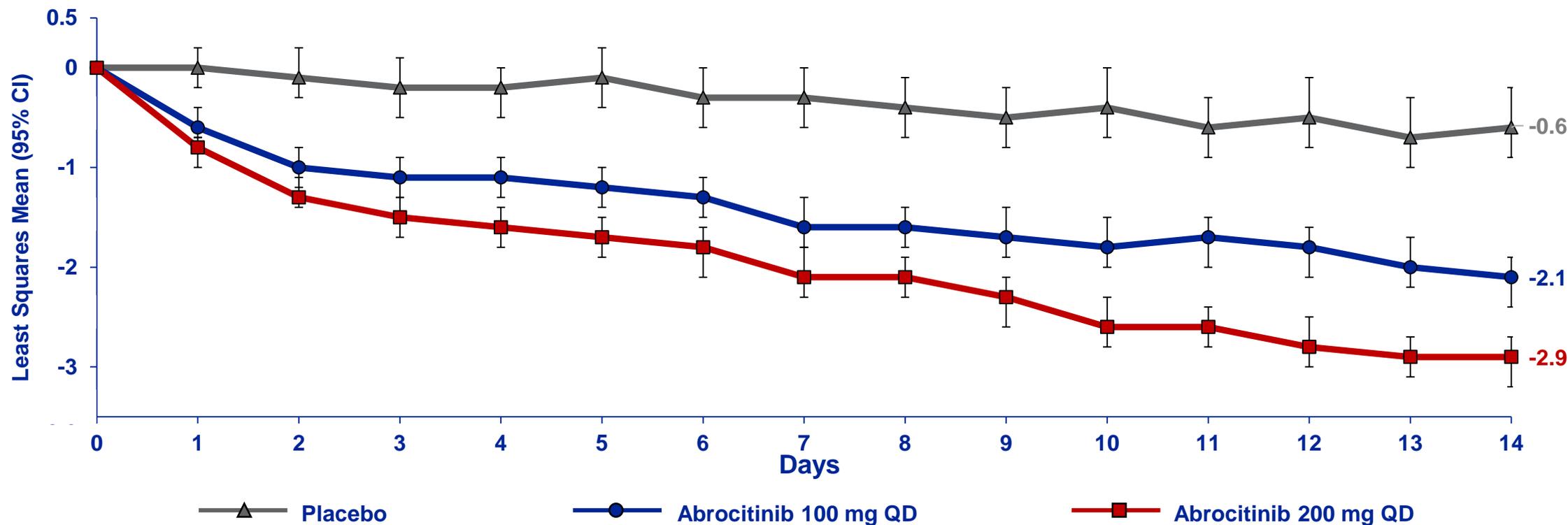
Phase



Weeks



Dosed once-daily



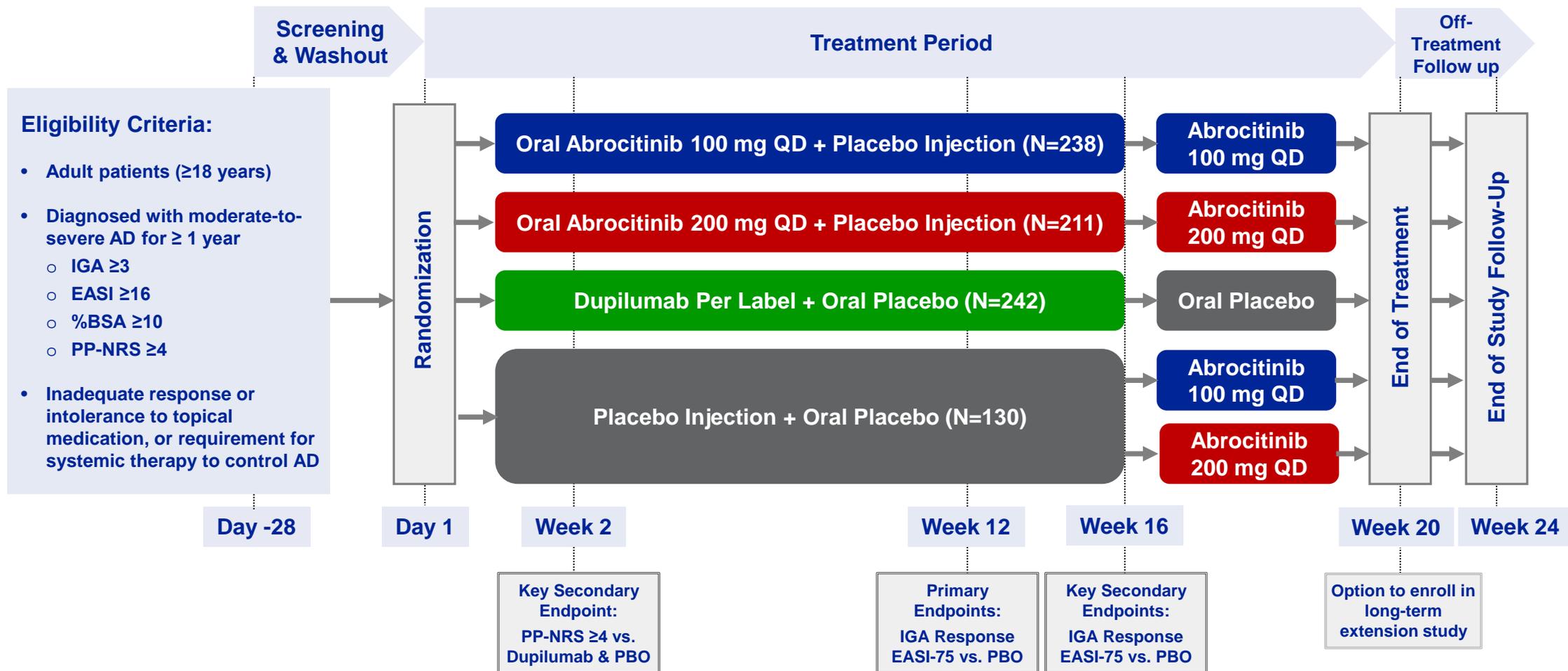
Breakthroughs that change patients' lives

## Pooled JADE MONO-1 & MONO-2 Adverse Events Related to Tolerability Were Primarily Mild or Moderate in Nature, Transient and Occurred Early in Treatment

	Placebo	Abrocitinib Once-Daily			Comments
		100 mg	200 mg	All	
		N = 211	N = 370	N = 364	
<b>Nausea</b>	5 (2.4%)	27 (7.3%)	61 (16.8%)	88 (12.0%)	<ul style="list-style-type: none"> <li>Nausea most frequent in 1<sup>st</sup> week of treatment; median duration ~2 weeks</li> </ul>
<b>Vomiting</b>	2 (0.9%)	8 (2.2%)	16 (4.4%)	24 (3.3%)	<ul style="list-style-type: none"> <li>May be mitigated by dosing with food</li> </ul>
<b>Headache</b>	6 (2.8%)	26 (7.0%)	31 (8.5%)	57 (7.8%)	<ul style="list-style-type: none"> <li>All events were mild or moderate</li> </ul>
<b>Dizziness</b>	1 (0.5%)	7 (1.9%)	10 (2.7%)	17 (2.3%)	<ul style="list-style-type: none"> <li>Median duration: 4 days</li> <li>59% of 1<sup>st</sup> events reported in first 2 weeks</li> </ul>
<b>Acne</b>	0 (0.0%)	3 (0.8%)	13 (3.6%)	16 (2.2%)	<ul style="list-style-type: none"> <li>No SAEs, severe events or events that led to discontinuation</li> </ul>
<b>Elevated CPK<sup>(1)</sup></b>	2 (0.9%)	7 (1.9%)	10 (2.7%)	17 (2.3%)	<ul style="list-style-type: none"> <li>No events that led to discontinuation</li> <li>No rhabdomyolysis</li> </ul>
<b>Herpes simplex</b>	2 (0.9%)	5 (1.4%)	9 (2.5%)	14 (1.9%)	<ul style="list-style-type: none"> <li>All events were mild or moderate</li> </ul>

<sup>(1)</sup> CPK = Creatine Phosphokinase

# JADE COMPARE Investigated the Safety and Efficacy of Abrocitinib and Dupilumab Compared to Placebo in Adults on Background Topical Therapy



## JADE COMPARE: Topline Efficacy Summary



**Both doses of abrocitinib met the co-primary endpoints of IGA and EASI-75 at 12 weeks**



**Both doses of abrocitinib met the key secondary endpoints of IGA and EASI-75 at 16 weeks**



**Abrocitinib 200 mg demonstrated statistically superior improvement in severity of pruritus (itch) compared to dupilumab at week 2, a key secondary endpoint**

# Exploratory Analysis: Percentage of Patients with Pruritus Numerical Rating Scale Score of 0 or 1 at Two Weeks



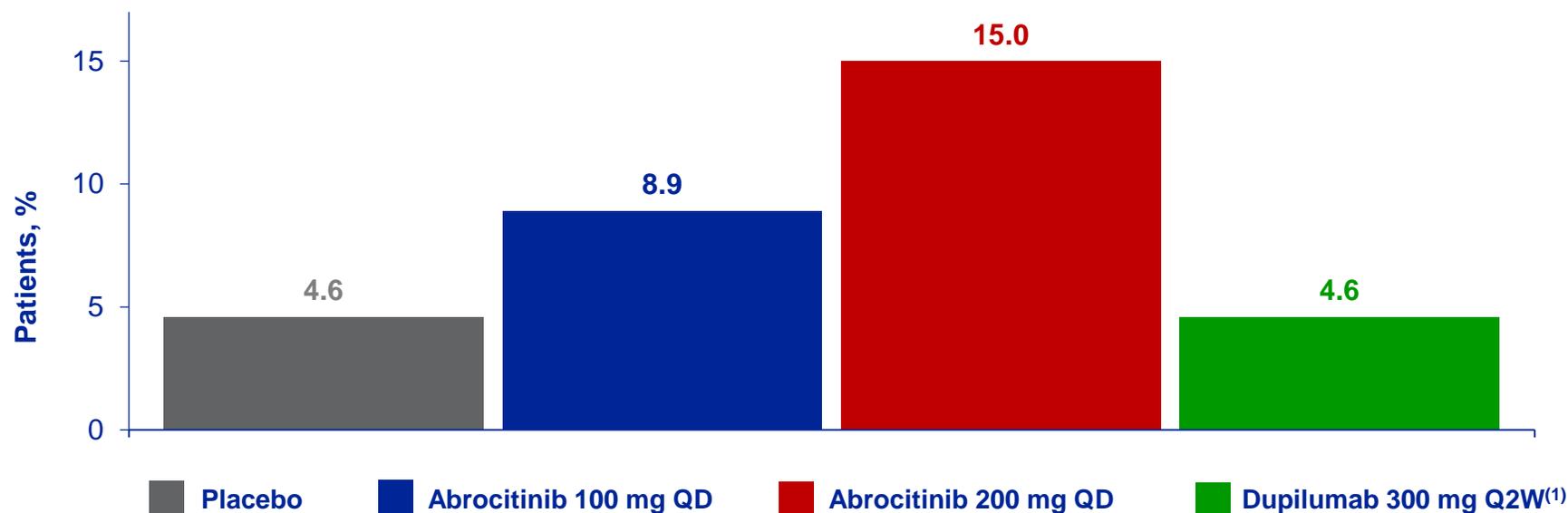
Phase



Weeks



Abrocitinib dosed once-daily  
Dupilumab dosed every 2 weeks



<sup>(1)</sup>Dupilumab dosed per FDA dosing instructions for adult atopic dermatitis patients. The recommended dose is an initial dose of 600 mg (two 300 mg injections in different injection sites), followed by 300 mg given every other week (Q2W).

**15% of patients on abrocitinib 200 mg reported no or low itch after just two weeks of therapy**



Breakthroughs that  
change patients' lives

# Exploratory Analysis: Percentage of EASI-90 Responders Through Week 16

3

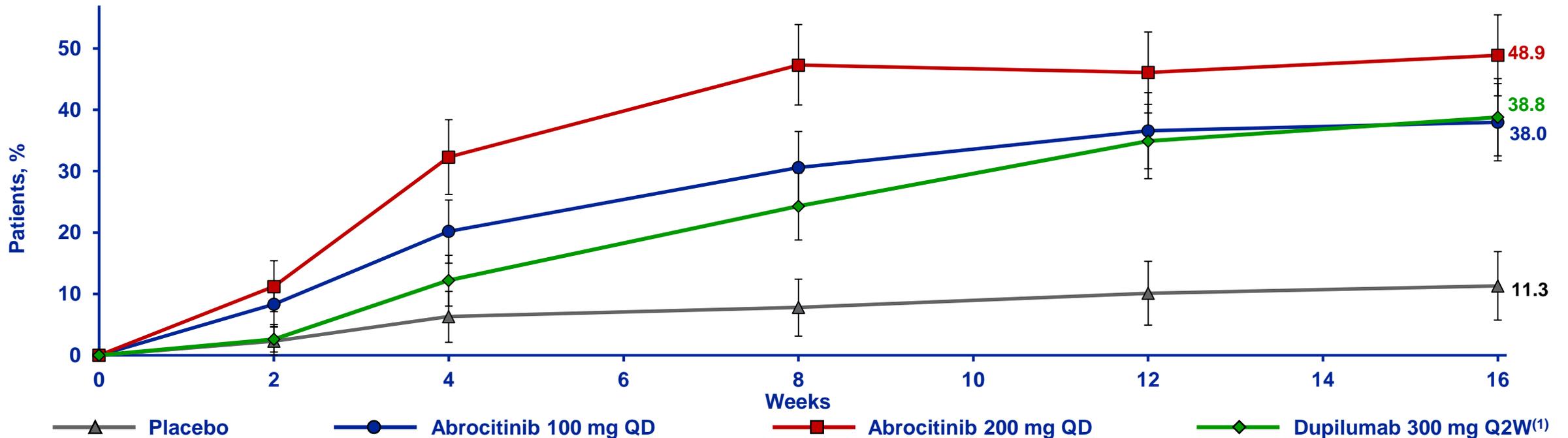
Phase

16

Weeks



Abrocitinib dosed once-daily  
Dupilumab dosed bi-weekly



<sup>(1)</sup>Dupilumab dosed per FDA dosing instructions for adult atopic dermatitis patients. The recommended dose is an initial dose of 600 mg (two 300 mg injections in different injection sites), followed by 300 mg given every other week (Q2W).

Nearly half of patients in the abrocitinib 200 mg arm reached EASI-90 by week 16

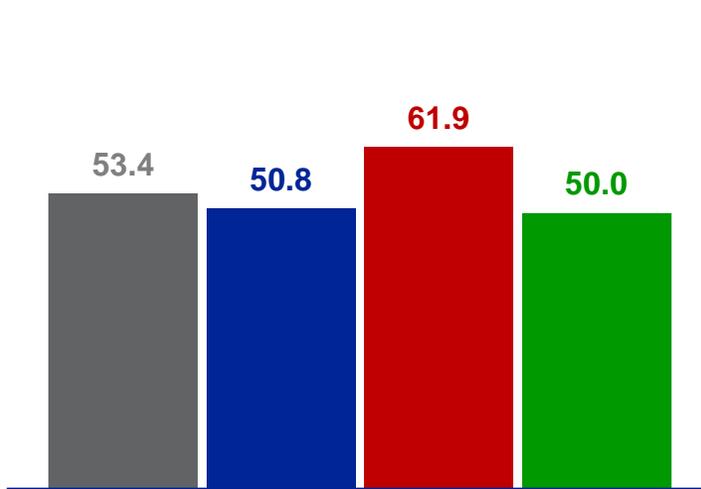


Breakthroughs that  
change patients' lives

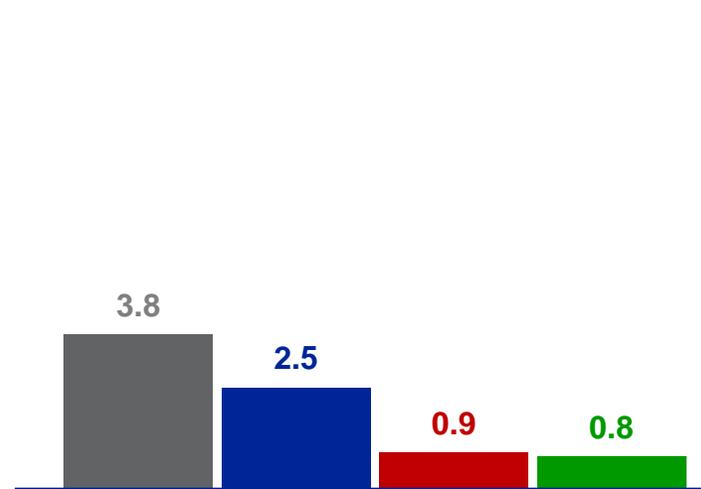
# JADE COMPARE Safety Data Consistent with Prior Abrocitinib Monotherapy Studies

## Percentage of patients experiencing:

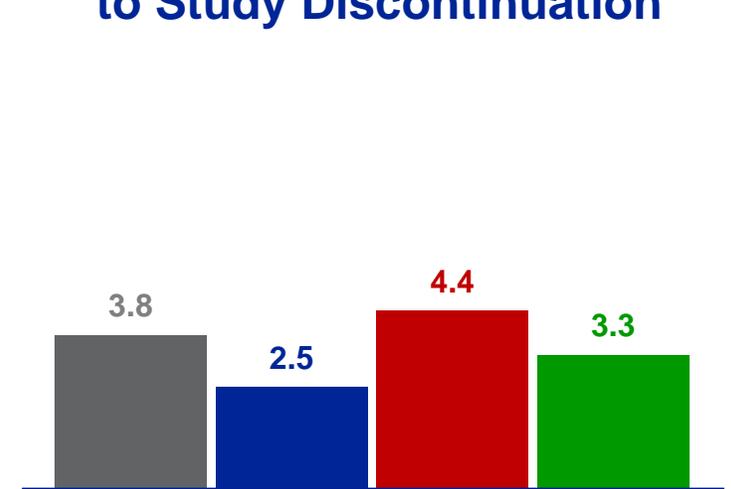
### Any Adverse Event



### Serious Adverse Event(s)



### Adverse Event(s) Leading to Study Discontinuation



■ Placebo ■ Abrocitinib 100 mg QD ■ Abrocitinib 200 mg QD ■ Dupilumab 300 mg Q2W<sup>(1)</sup>

<sup>(1)</sup>Dupilumab dosed per FDA dosing instructions for adult atopic dermatitis patients. The recommended dose is an initial dose of 600 mg (two 300 mg injections in different injection sites), followed by 300 mg given every other week (Q2W).

**Rates of serious adverse events and adverse events leading to discontinuation were similar across all study arms**

# Abrocitinib Impact: A Patient Journey

*Male from the 200 mg Abrocitinib Arm of the JADE MONO-2 Study*

Baseline:  
29 May 2019



# Abrocitinib Impact: A Patient Journey

*Male from the 200 mg Abrocitinib Arm of the JADE MONO-2 Study*

Baseline:  
29 May 2019



21 February 2020  
(~9 months from baseline)



# Abrocitinib Efficacy and Dosing Flexibility has the Potential to Control the Signs and Symptoms that Matter Most to Patients with Moderate-to-Severe AD



Convenient once-daily oral administration



Rapid, durable itch relief and skin clearance seen consistently in robust Phase 3 program



Substantial proportion of patients reach EASI-90, suggesting near complete skin clearance



% of patients with significant reduction in itch by Week 2 was superior for 200mg abrocitinib compared to dupilumab (key secondary endpoint)



Substantial improvements in patient reported AD quality-of-life measures<sup>(1)</sup>



Abrocitinib was well tolerated across all four completed Phase 3 studies

# Significant Potential for New Entrants Even Using Conservative Market Assumptions for Peak Annual Revenues

## Abrocitinib in Atopic Dermatitis

<b>32M</b>	U.S. total prevalence <sup>(1)</sup>
<b>27M</b>	U.S. patients aged 12 and up <sup>(1)</sup>
<b>&gt;50%</b>	Treated with a prescription therapy <sup>(2)</sup>
<b>20-25%</b>	Treated with a systemic treatment <sup>(3)</sup>
<b>8-12%</b>	Abrocitinib global market share
<b>&gt;\$3B</b>	Potential global annual peak revenues

## Ritlecitinib in Alopecia Areata

<b>3.5M</b>	U.S. adult prevalence <sup>(4)</sup>
<b>1.1M</b>	U.S. moderate-to-severe patients <sup>(4)</sup>
<b>80-90%</b>	Diagnosed
<b>35-40%</b>	Receive an advanced treatment
<b>10-20%</b>	Ritlecitinib global market share
<b>&gt;\$1B</b>	Potential global annual peak revenues

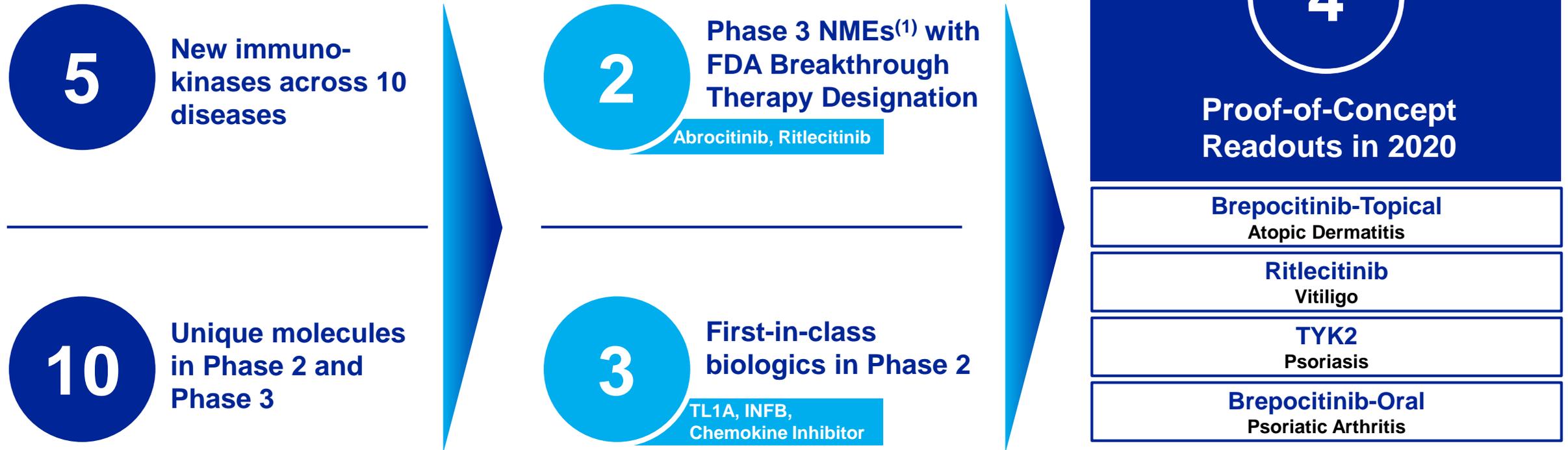
<sup>(1)</sup> Silverberg, Public Health Burden and Epidemiology of Atopic Dermatitis, Dermatol Clin 35 (2017) 283–289.

<sup>(2)</sup> Adelphi DSP, 2019, 53% sought treatment; Truven & Optum, 2020, 53% switched treatment

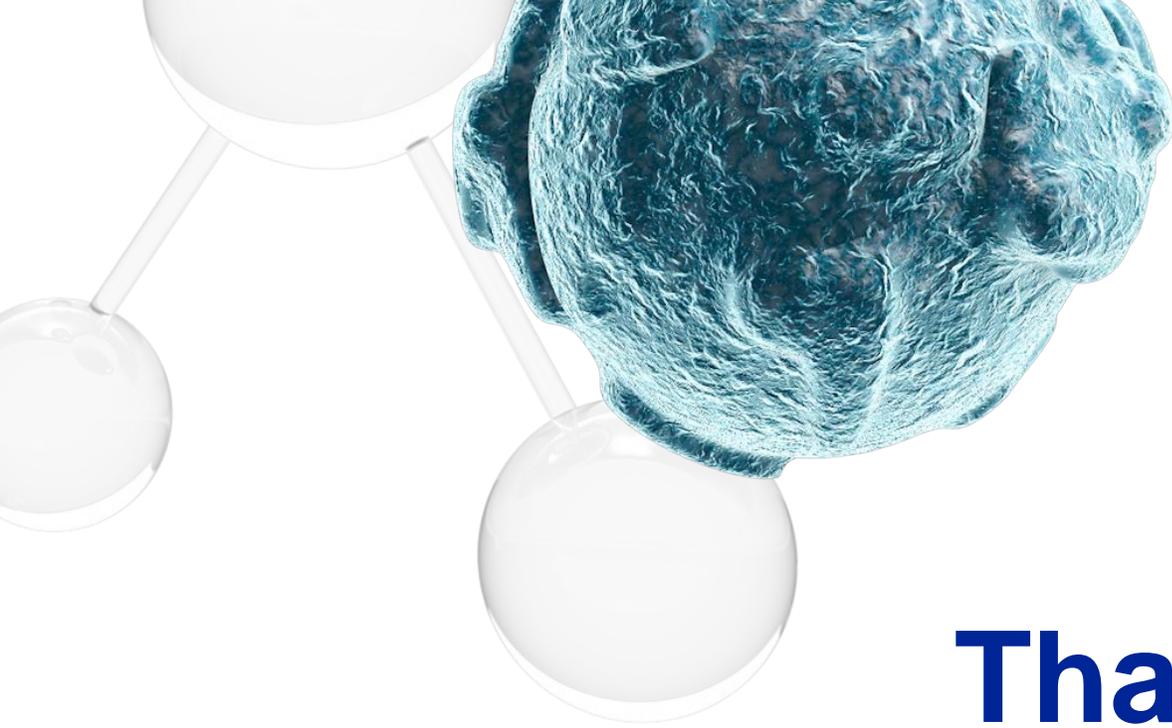
<sup>(3)</sup> IQVIA, June 2020 MAT, 16% systemic share; PFE projections for peak.

<sup>(4)</sup> Benigno M, Anastassopoulos KP, Mostaghimi A, et al. A Large Cross-Sectional Survey Study of the Prevalence of Alopecia Areata in the United States. Clin Cosmet Investig Dermatol. 2020;13:259-266

# One of the Industry's Leading I&I Pipelines with Potential to Deliver Several Breakthroughs by 2025 to Address Unmet Patient Needs



<sup>(1)</sup> New Molecular Entity.



**Thank You**

