Bimekizumab 3-year safety and tolerability in moderate to severe plaque psoriasis: Long-term pooled analysis from five phase 3/3b trials

Mark Lebwohl,¹ Bruce Strober,^{2,3} Richard G. Langley,⁴ Yukari Okubo,⁵ Peter Foley,^{6,7} Richard B. Warren,^{8,9} Luke Peterson,¹⁰ Nancy Cross,¹⁰ Susanne Wiegratz,¹¹ Delphine Deherder,¹² Diamant Thaçi¹³

Synopsis

- Since psoriasis is a chronic disease, assessment of long-term safety of treatments is essential to inform decision-making for clinicians while managing risks for patients.¹
- Data pooled over 2 years have previously shown that bimekizumab (BKZ), a monoclonal immunoglobulin (Ig) G1 antibody that selectively inhibits interleukin (IL)-17F in addition to IL-17A,² is well tolerated in the treatment of moderate to severe plaque psoriasis.³

Objective

Summary

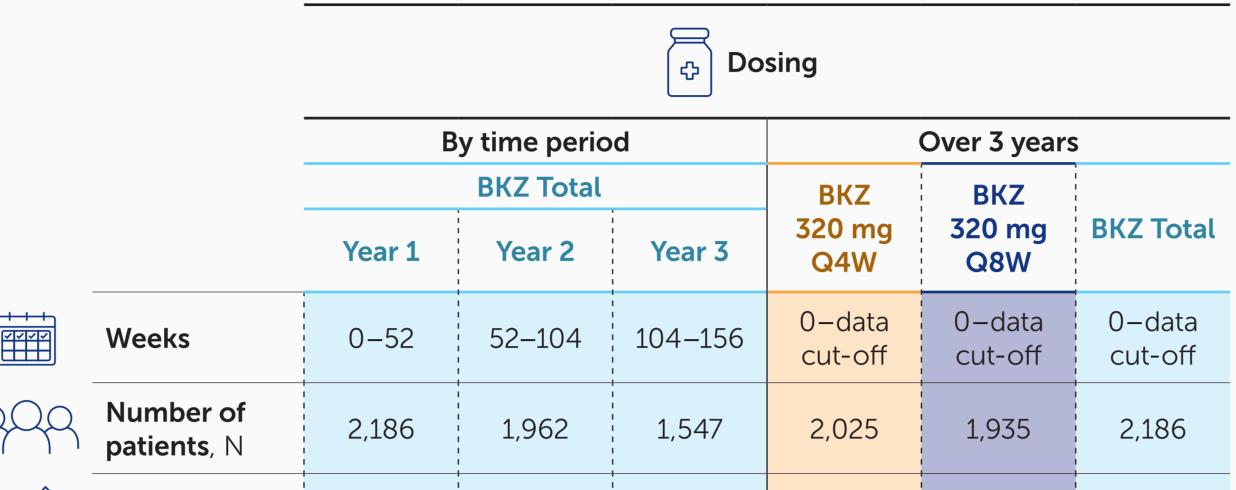
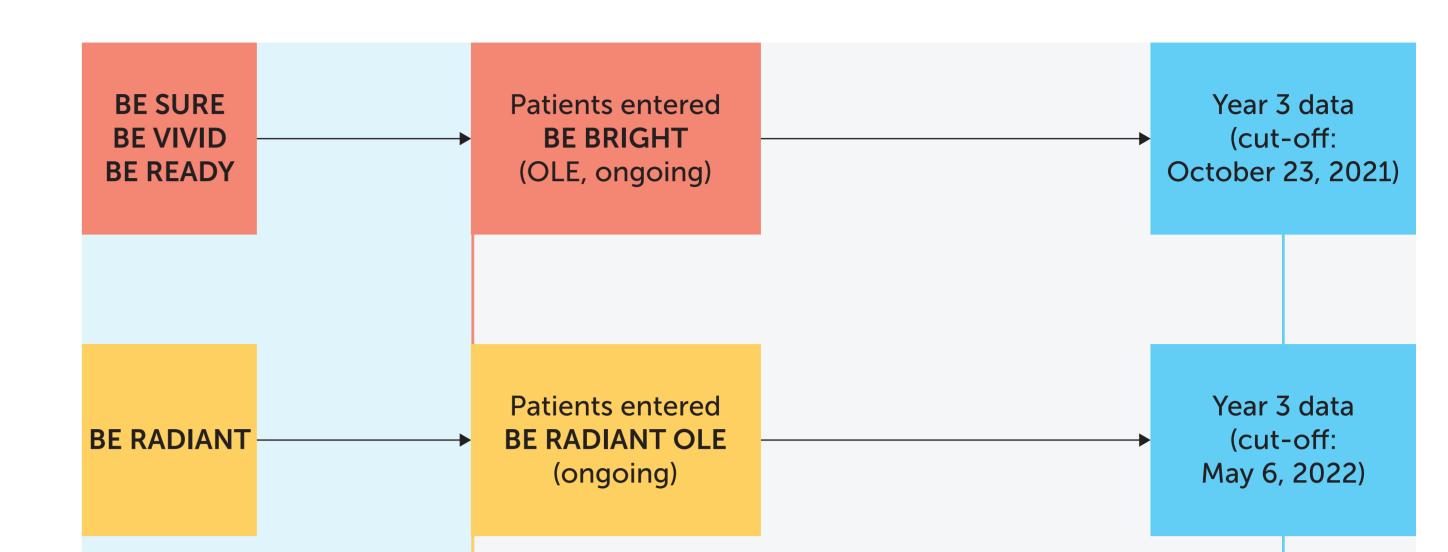


Figure 1 Included trials



To evaluate 3-year safety data for BKZ in patients with moderate to severe plaque psoriasis from five phase 3/3b clinical trials.

Methods

- Data were pooled from the BE SURE, BE VIVID, and BE READY phase 3 trials, their open-label extension (OLE) BE BRIGHT, and the BE RADIANT phase 3b trial (Figure 1).^{3–7}
- Included patients received BKZ 320 mg every 4 weeks (Q4W) or every 8 weeks (Q8W).
- Treatment-emergent adverse events (TEAEs) were coded using MedDRA v19.0 and are reported over 3 years using exposure-adjusted incidence rates (EAIRs) per 100 patient-years (PY) for all patients who received \geq 1 BKZ dose (BKZ Total); data are also reported separately for Years 1 (Week 0–52), 2 (Week 52–104), and 3 (Week 104–156) of BKZ exposure.

Results

- Total BKZ exposure was 5,461.4 PY (N=2,186; Table 1). Overall rates of TEAEs decreased or did not increase with longer exposure to BKZ (Figures 2–4) and were numerically lower in patients receiving BKZ Q8W vs. Q4W (**Table 1**).
- Over the 3-year period, 21 deaths occurred; none were reported as treatment-related.

A. Julia	Total exposure, PY	2,104.6	1,905.2	1,316.9	2,431.4	3,035.3	5,461.4	
Autor	Median exposure (range), days	364 (23–364)	364 (1–364)	311 (7–364)	364 (23–1,093)	491 (1–1,214)	1,006 (23–1,326)	

Total BKZ exposure over 3 years is greater than the sum of BKZ exposure in individual years, as data beyond Week 156 of BKZ exposure are included in the BKZ Total group due to the use of cut-off dates (some patients had proceeded past Week 156 by the cut-off date



BKZ demonstrated a favorable safety profile over 3 years of treatment, with no new safety signals identified; rates of TEAEs did not increase with longer duration of BKZ exposure.

Summary of TEAEs and TEAEs of interest in BKZ-treated Table 1 patients over 3 years

		By time period	a		Over 3 years	
	BKZ Total BKZ 320 mg BKZ 320 mg				BKZ	
	Year 1 (n=2,186)	Year 2 (n=1,962)	Year 3 (n=1,547)	Q4W (N=2,025)	Q8W (N=1,935)	Total ^b (N=2,186)
Total exposure , PY	2,104.6	1,905.2	1,316.9	2,431.4	3,035.3	5,461.4

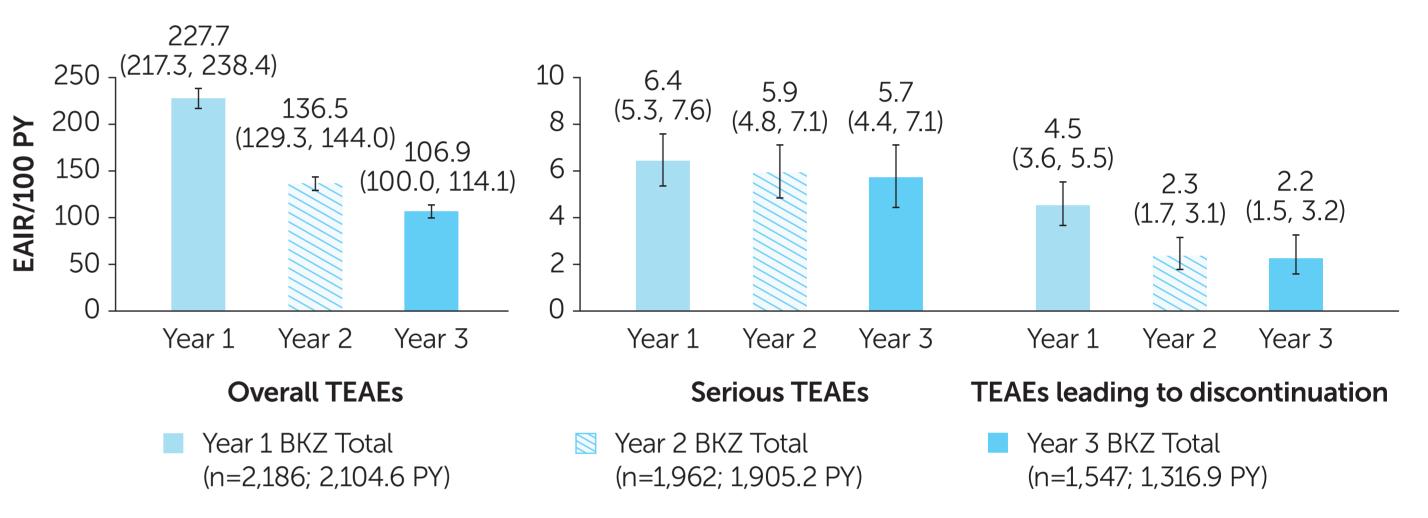
Summary of TEAEs, EAIR/100 PY (95% CI)

	227.7	136.5	106.9	224.5	121.8	174.4
Any TEAE	(217.3, 238.4)	(129.3, 144.0)	(100.0, 114.1)	(213.8, 235.6)	(115.6, 128.3)	(166.9, 182.2)
Serious TEAEs	6.4 (5.3, 7.6)	5.9 (4.8, 7.1)	5.7 (4.4, 7.1)	6.1 (5.1, 7.2)	5.6 (4.7, 6.5)	5.6 (4.9, 6.2)

Initial/maintenance periods	OLE periods	
eline Week 48	8/52/56 ^a Week 144 Veek 0) (OLE W	

Data were pooled for all patients who received >1 BKZ dose in the included trials (BKZ Total). Patients entered the BE RADIANT OLE at Week 48; patients entered the BE BRIGHT OLE at Week f they were enrolled in BE VIVID and Week 56 if they were enrolled in BE SURE or BE READY. Patients who received BKZ 320 mg in BE SURE, BE READY, and BE Q8W dosing; in BE VIVID, patients could only receive BKZ Q4W. All patients received BKZ Q8W from Week 64 in BE RADIANT, Week 100/104 (OLE Week 48) in BE BRIGHT, or the next scheduled clinic visit. Data cut-offs were the dates on which the last enrolled patient completed Week 144 in BE RADIANT and Week 148/152 (OLE Week 96) in BE BRIGHT

Overall TEAEs, serious TEAEs, and TEAEs leading to Figure 2 discontinuation by year



Error bars represent 95% Cls. Data are presented separately for Years 1 (Week 0-52), 2 (Week 52-104), and 3 (Week 104-156) of BKZ exposure for the BKZ Total group.

TEAEs of interest by year Figure 3

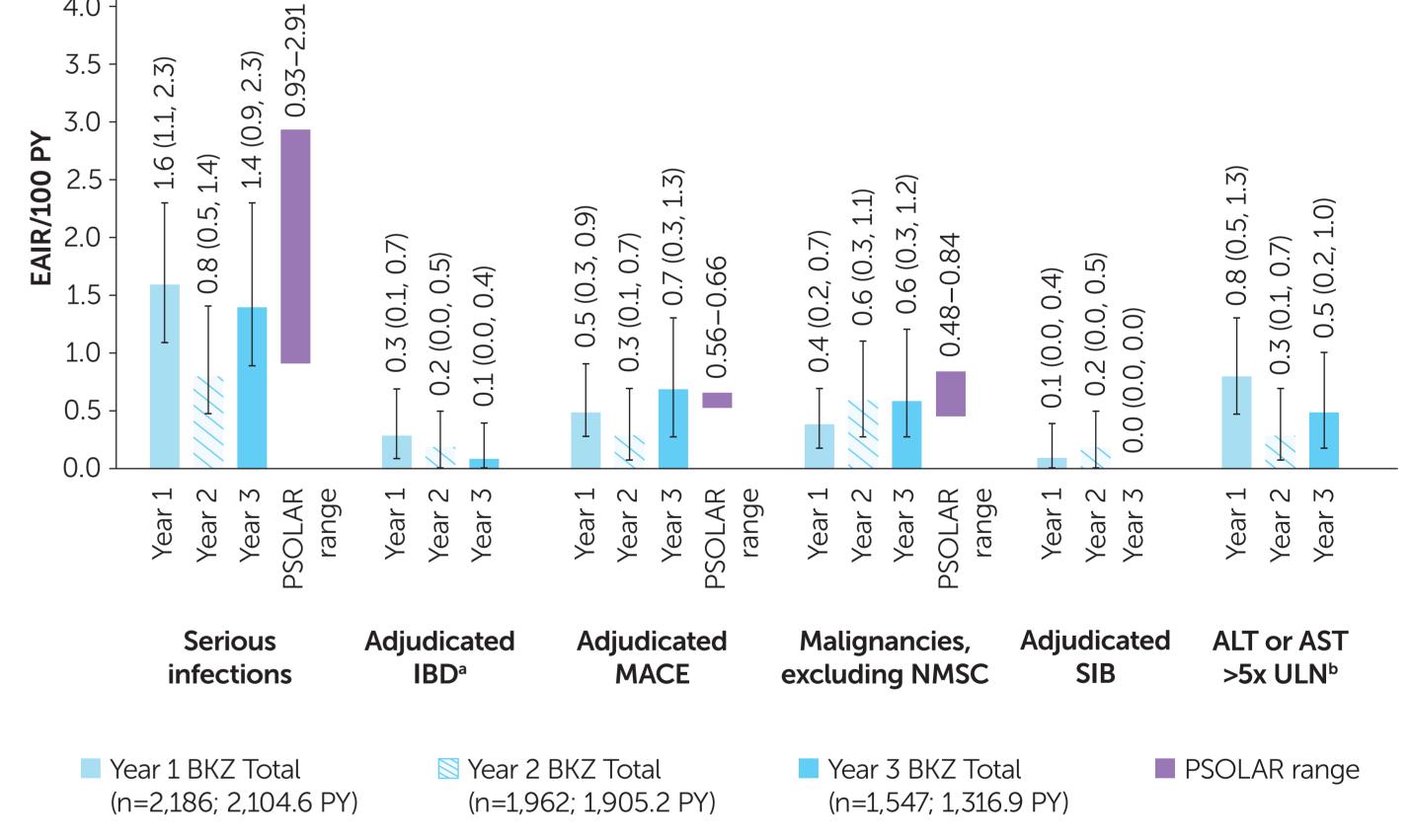
4.5 -

- The most common TEAEs were nasopharyngitis (14.1/100 PY), oral candidiasis (10.0/100 PY), and upper respiratory tract infection (6.2/100 PY), consistent with previous reports.³
- The EAIR of oral candidiasis decreased with longer BKZ exposure (Figure 4). No oral candidiasis events were serious and the vast majority were mild or moderate (99.1%); among patients who experienced oral candidiasis, few discontinued treatment as a result (1.7%).
- Increasing proportions of patients switching to the approved maintenance dose of BKZ Q8W may have contributed to the decrease in oral candidiasis incidence over time.
- Rates of serious infections were low (1.3/100 PY); the most frequently reported was coronavirus infection (0.3/100 PY).
- The global COVID-19 pandemic was concurrent with the BE RADIANT and BE BRIGHT OLEs. Serious coronavirus infections occurred at rates of 0.1, 0.2, and 0.5/100 PY in Year 1, 2, and 3 of BKZ exposure, respectively, likely contributing to numerically increased incidence rates of serious infections in Year 3 vs. Year 2.
- EAIRs of laboratory elevations in alanine aminotransferase or aspartate aminotransferase >3x and 5x the upper limit of normal remained generally similar across Years 1-3 (**Table 1**; Figure 3).
- EAIRs of adjudicated inflammatory bowel disease, adjudicated major

TEAEs leading to discontinuation	4.5	2.3	2.2	3.9	2.5	3.1
	(3.6, 5.5)	(1.7, 3.1)	(1.5, 3.2)	(3.2, 4.8)	(1.9, 3.1)	(2.7, 3.6)
TEAEs leading to death ^c	0.3	0.3	0.5	0.4	0.4	0.4
	(0.1, 0.6)	(0.1, 0.7)	(0.2, 1.1)	(0.2, 0.7)	(0.2, 0.7)	(0.2, 0.6)

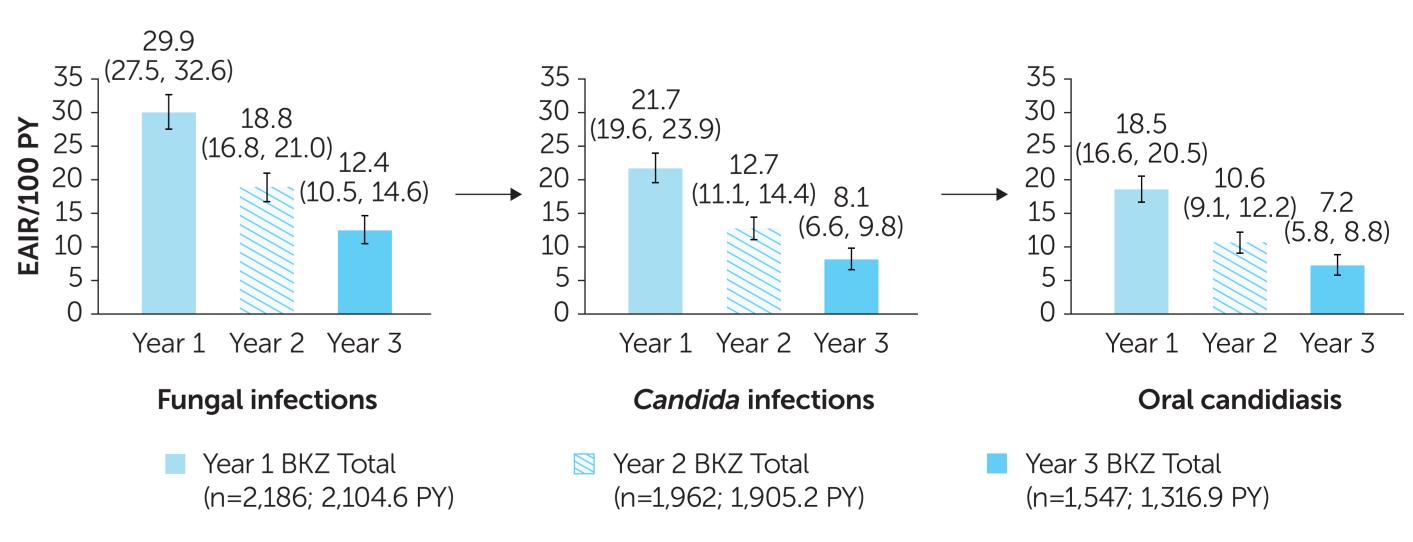
TEAEs of interest, EAIR/100 PY (95% CI)

Serious infections	1.6 (1.1, 2.3)	0.8 (0.5, 1.4)	1.4 (0.9, 2.3)	1.4 (1.0, 2.0)	1.3 (0.9, 1.8)	1.3 (1.0, 1.7)
Active tuberculosis	0.0 (0.0, 0.0)					
Fungal infections	29.9 (27.5, 32.6)	18.8 (16.8, 21.0)	12.4 (10.5, 14.6)	26.9 (24.6, 29.3)	14.1 (12.7, 15.6)	17.5 (16.3, 18.9)
<i>Candida</i> infections	21.7 (19.6, 23.9)	12.7 (11.1, 14.4)	8.1 (6.6, 9.8)	19.5 (17.6, 21.5)	8.7 (7.6, 9.9)	11.7 (10.7, 12.7)
Oral candidiasis	18.5 (16.6, 20.5)	10.6 (9.1, 12.2)	7.2 (5.8, 8.8)	16.7 (15.0, 18.5)	7.5 (6.5, 8.6)	10.0 (9.1, 11.0)
Adjudicated IBD ^d	0.3 (0.1, 0.7)	0.2 (0.0, 0.5)	0.1 (0.0, 0.4)	0.3 (0.1, 0.6)	0.1 (0.0, 0.3)	0.2 (0.1, 0.4)
Adjudicated MACE	0.5 (0.3, 0.9)	0.3 (0.1, 0.7)	0.7 (0.3, 1.3)	0.6 (0.3, 1.0)	0.5 (0.3, 0.8)	0.5 (0.3, 0.7)
Malignancies	0.9 (0.5, 1.4)	1.1 (0.7, 1.7)	0.8 (0.4, 1.5)	0.7 (0.4, 1.1)	1.0 (0.7, 1.5)	0.9 (0.6, 1.2
Excluding NMSC	0.4 (0.2, 0.7)	0.6 (0.3, 1.1)	0.6 (0.3, 1.2)	0.3 (0.1, 0.6)	0.7 (0.4, 1.1)	0.5 (0.3, 0.7
Adjudicated SIB	0.1 (0.0, 0.4)	0.2 (0.0, 0.5)	0.0 (0.0, 0.0)	0.1 (0.0, 0.4)	0.1 (0.0, 0.3)	0.1 (0.0, 0.2
Neutropenia events	0.8 (0.5, 1.3)	0.5 (0.3, 1.0)	0.2 (0.0, 0.5)	0.8 (0.5, 1.3)	0.3 (0.1, 0.6)	0.5 (0.3, 0.7)
ALT or AST elevations						
>3x ULN	2.6 (1.9, 3.3)	2.3 (1.7, 3.1)	2.1 (1.4, 3.0)	2.7 (2.1, 3.5)	1.7 (1.3, 2.3)	2.0 (1.6, 2.4
>5x ULN ^e	0.8 (0.5, 1.3)	0.3 (0.1, 0.7)	0.5 (0.2, 1.0)	0.7 (0.4, 1.1)	0.4 (0.2, 0.7)	0.5 (0.3, 0.7
Serious hypersensitivity reactions ^f	0.1 (0.0, 0.4)	0.1 (0.0, 0.4)	0.0 (0.0, 0.0)	0.1 (0.0, 0.4)	0.1 (0.0, 0.2)	0.1 (0.0, 0.2)
Injection site reactions	3.2 (2.5, 4.1)	1.1 (0.6, 1.6)	1.1 (0.6, 1.9)	2.9 (2.2, 3.6)	1.2 (0.8, 1.6)	1.9 (1.5, 2.3



esent 95% Cls. Psoriasis Longitudinal Assessment and Registry (PSOLAR) ranges are presented where available to provide context.^{8,9} Data are p ek 0–52), 2 (Week 52–104), and 3 (Week 104–156) of BKZ exposure for the BKZ Total group. aIncludes any TEAE adjudicated as definite or probable IBD; bNot all hepatic laboratory parame evations were reported as adverse events





adverse cardiac events, malignancies, adjudicated suicidal ideation and behavior, and neutropenia were low (Table 1; Figure 3). No cases of active tuberculosis were reported.

Conclusions

Over 3 years of treatment, BKZ demonstrated a favorable safety profile, with no new safety signals observed. EAIRs of TEAEs did not increase with longer exposure to BKZ.

Data and any adjudication are shown as of the data cut-offs (BE BRIGHT: October 23, 2021; BE RADIANT: May 6, 2022). ^aYear 1: Week 0–52 of BKZ exposure; Year 2: Week 52–104 of BKZ exposure; Year 3: Week 104–156 of BKZ exposure. BE RADIANT has a duration of 144 weeks only, while the BE BRIGHT OLE is ongoing beyond Week 144 of BKZ treatment; data beyond Week 144 in BE RADIANT are therefore from the safety follow-up period; ^bPatients are included in the relevant BKZ dose group based on the dose most recently received prior to the date of the adverse event. Patients who received both BKZ 320 mg Q4W and Q8W are included in the population count of both treatment groups, but only once in each BKZ Total group; Causes of death were reported under the following MedDRA preferred terms, each for one patient unless otherwise specified (patients could have multiple preferred terms identified as leading to death): aortic aneurysm rupture, brain neoplasm, cardiac arrest (5 patients), cardiopulmonary failure, chronic obstructive pulmonary disease, circulatory collapse, completed suicide, coronavirus infection (5 patients), death (2 patients, unknown cause, approximately 3 months after last BKZ dose), hemorrhagic anemia, hepatic pain, hypovolemic shock, myocardial infarction, and road traffic accident; ^dIncludes any TEAE adjudicated as definite or probable IBD; ePatients with elevations >5x ULN were a subset of patients with elevations >3x ULN; No anaphylactic reactions associated with BKZ were reported

Error bars represent 95% CIs. Data are presented separately for Years 1 (Week 0–52), 2 (Week 52–104), and 3 (Week 104–156) of BKZ exposure for the BKZ Total group.

ALT: alanine aminotransferase; AST: aspartate aminotransferase; BKZ: bimekizumab; CI: confidence interval; EAIR: exposure-adjusted incidence rate; IBD: inflammatory bowel disease; Ig: immunoglobulin; IL: interleukin; MACE: major adverse cardiac event; MedDRA: Medical Dictionary for Regulatory Activities; NMSC: non-melanoma skin cancer; OLE: open-label extension; PSOLAR: Psoriasis Longitudinal Assessment and Registry; PY: patient-years; Q4W: every 8 weeks; SIB: suicidal ideation and behavior; TEAE: treatment-emergent adverse event; ULN: upper limit of normal.

the and Comprehensive Centre, Northern Care Alliance NHS Foundation Trust, Manchester, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Morrisville, North Carolina, USA; ¹¹UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive Center, UK; ¹⁰UCB Pharma, Braine-L'Alleud, Belgium; ¹³Institute and Comprehensive, Center, Center

References: ¹Al-Janabi A & Yiu ZZN Psoriasis (Auckl) 2022;12:1-14; ²Adams R et al. Lancet 2021;385:142-52, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03598790; ⁴Warren RB et al. J Drugs Dermatol 2022;158:735-44, NCT03598790; ⁴Warren RB et al. N Engl J Med 2021;385:142-52, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03598790; ⁴Warren RB et al. N Engl J Med 2021;385:142-52, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. N Engl J Med 2021;385:142-52, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2020;11:1894; ³Gordon KB et al. J Drugs Dermatol 2020;11:1894; ³Gordon KB et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;158:735-44, NCT03536884; ⁸Papp K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Papp K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Papp K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Papp K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Papp K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Pap K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Pap K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Pap K et al. J Drugs Dermatol 2022;1385:142-52, NCT03536884; ⁹Pap K et al. J Drugs De Author Contributions: Substantial contributions: Substantial contributions to study conception/design, or acquisition/analysis/interpretation of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication of data: ML, BS, RGL, YO, PF, RBW, LP, NC, SW, DD, DT; Final approval of the publication

Sciences, Eli Lilly and Company, Incyte, Inozyme, Janssen Research & Development, LLC, Novartis, Ortho Dermatologics, Regeneron, and UCB Pharma; consultant for Almirall, AltruBio Inc., Arena Pharmaceuticals, Aristea Therapeutics, AstraZeneca, EPI, Evommune Inc., Facilitation of International Dermatology Education, Forte Biosciences, EPI, Evommune Inc., Facilitation of International Dermatologics, Regeneron, and UCB Pharma; consultant for Almirall, AltruBio Inc., Arena Pharmaceuticals, Aristea Therapeutics, AstraZeneca, EPI, Evommune Inc., Facilitation of International Dermatology Education, Forte Biosciences, EPI, Evommune Inc., Facilitation of International Dermatologics, Regeneron, and UCB Pharma; consultant for Almirall, AltruBio Inc., Arena Pharmaceuticals, Aristea Therapeutics, AstraZeneca, EVI, Evommune Inc., Facilitation of International Dermatology Education, Forte Biosciences, EPI, Evommune Inc., Facilitation of International Dermatologics, Regeneron, and UCB Pharma; consultant for Almirall, AltruBio Inc., Arena Pharmaceuticals, Aristea Therapeutics, AstraZeneca, EVI, Evommune Inc., Facilitation of International Dermatology Education, Forte Biosciences, EVI, Evommune Inc., Facilitation of International Dermatologics, Regeneron, and Education, Forte Biosciences, EVI, Evommune Inc., Facilitation of International Dermatology Education, Forte Biosciences, EVI, Evommune Inc., Facilitation of International Dermatologics, Regeneron, and Education, Evon, E Consultant (honoraria) for AbbVie, Acelyrin, Alamar, Almirall, Alumis, Arena, Arena, Reiji Seika Pharma, Trevi, Verrica, and Vial. BS: Consultant (honoraria) for AbbVie, Acelyrin, Alamar, Almirall, Alumis, Arena, Aristea, Asana, Boehringer Ingelheim, Bristol Myers Squibb, Capital One, Celltrion, CorEvitas, Dermavant, Eli Lilly and Company, Imagenebio, Janssen, Kangpu Pharma, Trevi, Verrica, and Vial. BS: Consultant (honoraria) for AbbVie, Acelyrin, Alamar, Almirall, Alumis, Arena, Almirall, Alumis, Arena, Aristea, Asana, Boehringer Ingelheim, Bristol Myers Squibb, Capital One, Celltrion, CorEvitas, Dermavant, Eli Lilly and Company, Imagenebio, Janssen, Kangpu Pharma, Trevi, Verrica, and Vial. BS: Consultant (honoraria) for AbbVie, Acelyrin, Alamar, Almirall, Alumis, Arena, Aristea, Asana, Boehringer Ingelheim, Bristol Myers Squibb, Capital One, Celltrion, CorEvitas, Dermavant, Eli Lilly and Company, Imagenebio, Janssen, Kangpu Pharma, Trevi, Verrica, and Vial. BS: Consultant (honoraria) for AbbVie, Acelyrin, Alamar, Almirall, Alumis, Arena, Protagonist, Monte Carlo, Novartis, Pfizer, Rapt, Regeneron, and VTv Therapeutics; stock options from Consulting fee) for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriatic Arthritis. RGL: Principal investigator for CorEvitas Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis and Psoriasis Registry; editor-in-chief (honorarium) for Journal of Psoriasis Registry; editor For AbbVie, Amgen, Boehringer Ingelheim, Celgene, Eli Lilly and Company, LEO Pharma, Merck, Novartis, Pfizer, and UCB Pharma; served on scientific advisory boards for AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory boards for AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory boards for AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory boards for AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Celgene, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly and Company, LEO Pharma; served on scientific advisory board agreements from AbbVie, Amgen, Eli Lilly advisory board agreements from AbbVie, Amgen, Eli Lilly adviso Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Eli Lilly and Company, Janssen, Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma, LEO Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma, Maruho, Pfizer, Sanofi, Sun Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma, Maruho, Pfizer, Sanofi, Sun Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma, Maruho, Pfizer, Sanofi, Sun Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Pharma; Speakers bureau from AbbVie, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Janssen Myers Squibb, Celgene, Eli Lilly and Company, Janssen, Amgen, Boehringer Ingelheim, Bristol Myers Squi Sun Pharma, and UCB Pharma, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Evelo, Galderma, Genesie, Celtaxsys, CSL, Cutanea, Boehringer Ingelheim, Botanix, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Evelo, Galderma, Genesie, Celtaxsys, CSL, Cutanea, Dermira, Eli Lilly and Company, Evelo, Galderma, Genesie, Galderma, Genesie, Genesie, Genesie, Genesie, Genesie, Genesie, Eli Lilly and Company, Evelo, Galderma, Genesie, Genesie, Celtaxsys, CSL, Cutanea, Dermira, Eli Lilly and Company, Evelo, Galderma, Genesie, G Eli Lilly and Company, Galderma, Bristol Myers Squibb, Eli Lilly and Company, Galderma, Merck, Novartis, Pfizer, Roche, UCB Pharma, and Wintermute; and Wintermute; Served as a consultant for Aslan, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Galderma, GenesisCare, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Roche, UCB Pharma, and Wintermute; Served as a consultant for Aslan, Bristol Myers Squibb, Eli Lilly and Company, Galderma, GenesisCare, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Sanofi, Sun Pharma, Merck, Novartis, Pfizer, Sanofi, Sun Pharma, Merck, Novartis, Pfizer, Roche, UCB Pharma, and Wintermute; Served as a consultant for Aslan, Bristol Myers Squibb, Eli Lilly and Company, Galderma, GenesisCare, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Sanofi, Sun Pharma, Merck, Novartis, Pfizer, Sanofi, received travel grants from AbbVie, Eli Lilly and Company, Galderma, Biogen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, Galderma, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Roche, Sanofi, and Sun Pharma, Werck, Novartis, Pfizer, Roche, Sanofi, and Sun Pharma, Merck, Novartis, Pfizer, Roche, Sanofi, and Sun Pharma, GSK, Janssen, LEO Pharma, Biogen, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Eli Lilly and Company, GSK, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Roche, Sanofi, and Sun Pharma, GSK, Janssen, LEO Pharma, GSK, Janssen, LEO Pharma, GSK, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Roche, Sanofi, Sun Pharma, GSK, Janssen, LEO Pharma, GSK, Janssen, LEO Pharma, GSK, Janssen, LEO Pharma, GSK, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Roche, Sanofi, Sun Pharma, GSK, Janssen, LEO Ph LEO Pharma, Novartis, Pfizer, Sanofi, and UCB Pharma; honoraria from Astellas, DiCE, GSK, and Union Therapeutics. LP, NC, SW, DD: Employees and shareholders of UCB Pharma; research grants to his institution from AbbVie, Almirall, Janssen, LEO Pharma, LO Pharma; honoraria from Astellas, DiCE, GSK, and Union Therapeutics. LP, NC, SW, DD: Employees and shareholders of UCB Pharma; research grants to his institution from AbbVie, Regeneron, and UcB Pharma; research grants to his institution from AbbVie, Regeneron, and UCB Pharma, Novartis, Pfizer, Regeneron, and UCB Pharma; research grants to his institution from AbbVie, Almirall, Janssen, LEO Pharma; Novartis, Pfizer, Regeneron, and UCB Phar Samsung, Sanofi, Target-RWE, and UCB Pharma, received grants from AbbVie, LEO Pharma, and Novartis. Acknowledgements: This study was funded by UCB Pharma, and their caregivers in addition to the investigators and their caregivers in addition to the investigators and their caregivers in addition to the investigators and their teams who contributed to this study. The authors acknowledgements: This study was funded by UCB Pharma, Slough, UK for medical, Manchester, UK and Isabel Raynaud, MBBS, Costello Medical, Cambridge, UK for medical writing and editorial assistance, and the Creative team at Costello Medical for graphic design assistance. All costs associated with development of this poster were funded by UCB Pharma.



To receive a copy of this poste scan the QR code or visit: https://ucbposters.com/WCM24 Poster ID: 060727 Link expiration: March 4, 2024

Presented at Winter Clinical Miami 2024 | February 16–19 | Miami Beach, FL

Previously presented at Winter Clinical Hawaii 2024 | January 12–17 | Honolulu, HI