
REALISE (Real-life Use and Safety of EPIT) Study: 3 Year Results in Peanut-Allergic Children



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Disclosures

- DBV Technologies: principal investigator, consultant, Clinical / Medical Advisory Board

The Burden of Peanut Allergy

Peanut allergy is the most common food allergy¹

2.2% of children in the US are allergic to peanut



Standard of care for peanut allergy is **strict avoidance** plus personalized medical intervention plans⁴

However, despite practicing strict avoidance, accidental exposure often occurs and commonly leads to allergic reactions⁵⁻⁷

In some patients, reactions can occur after exposure to **low doses** of peanut^{2,3}



The management of peanut allergy remains a **challenge** for patients, families, and healthcare providers due to⁸⁻¹⁰:

- Concerns about unintentional exposure
- Unpredictability of severe reactions
- Relatively high risk of anaphylaxis

Investigational Epicutaneous Immunotherapy for the Management of Peanut Allergy

Viaskin™ Peanut 250 µg (DBV712)^{1,2}

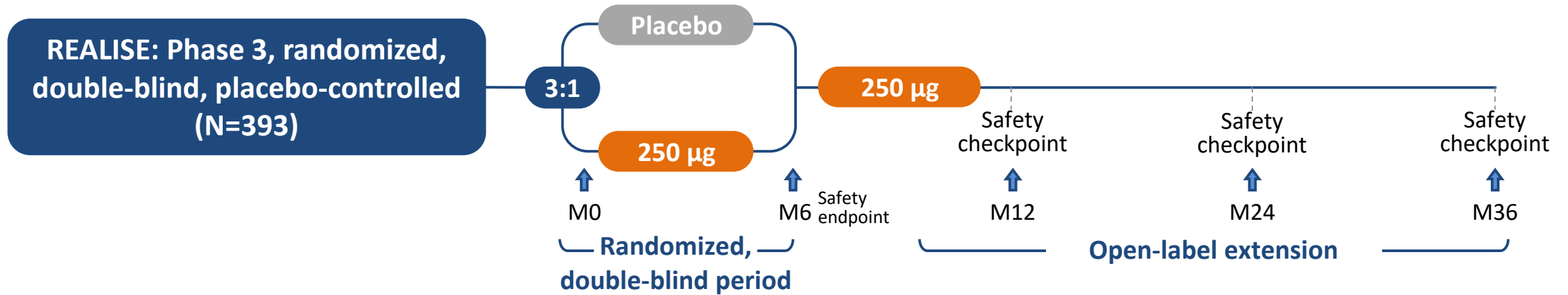
- Single, daily-dose patch
 - Applied to the back
- Dose: 250 µg
 - **~1/1000 of a peanut³**
- 2-week at-home treatment initiation leading to 24-hour wear time
- No restrictions based on illness or daily activities required



Study Objective

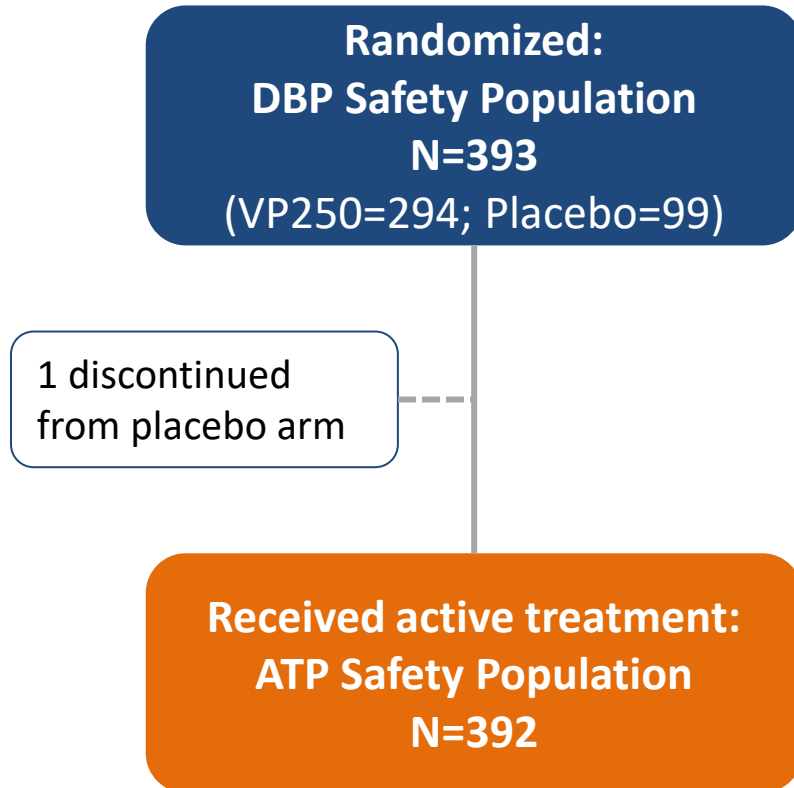
- Efficacy and safety of epicutaneous immunotherapy with Viaskin Peanut has been previously studied in a phase 3 randomized controlled trial in children^{1,2}
- **We further examined its safety over 3 years in REALISE, a phase 3 study approximating anticipated real-world use**

REALISE Study Design and Methods



- Children aged 4–11 years with physician-diagnosed peanut allergy (well-documented clinical history, SPT ≥ 8 mm, and peanut-specific IgE ≥ 14 kUA/L) were enrolled
- **Entry food challenges were not required**
- Subjects with a history of severe peanut anaphylaxis were eligible
- Subjects initially randomized to 6 months VP250 or placebo were offered VP250 for a total of 3 years in an open-label extension
- Safety and compliance data were collected

Subject Disposition and Baseline Characteristics

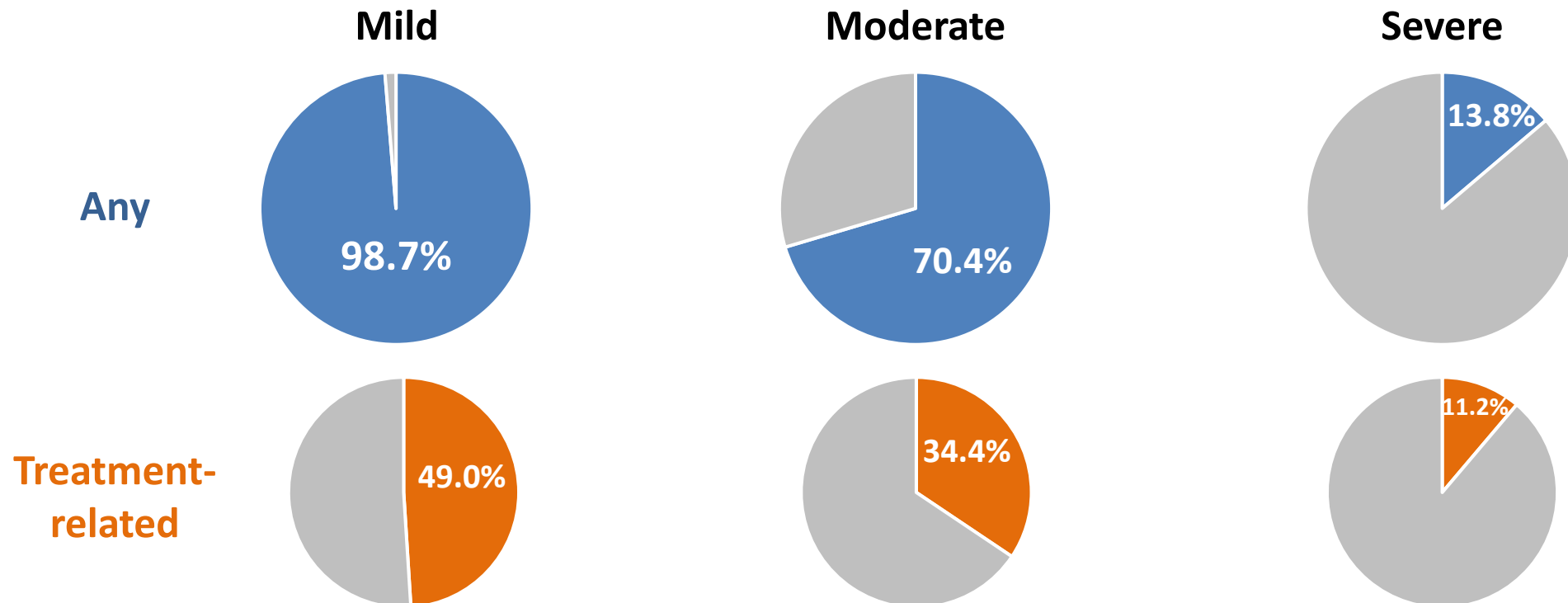


	Active Treatment Period (ATP) Safety Population N=392
Sex, n (%)	
Male	229 (58.4%)
Female	163 (41.6%)
Median age, years	7.0
Median peanut-specific IgE, kU/L (range)	95.5 (14.5–1515.0)
Median SPT wheal size, mm (IQR)	10.5 (9.0–14.0)
History of severe anaphylaxis, n (%)	14 (3.6%)
Median treatment exposure to VP250, days	1093.0
Mean compliance, %	96.4%

The Majority of TEAEs Were Mild or Moderate

- Most subjects (98.7%) treated with VP250 experienced at least 1 TEAE

Severity of TEAEs in subjects who experienced ≥ 1 TEAE (Total ATP Safety Population [N=392])



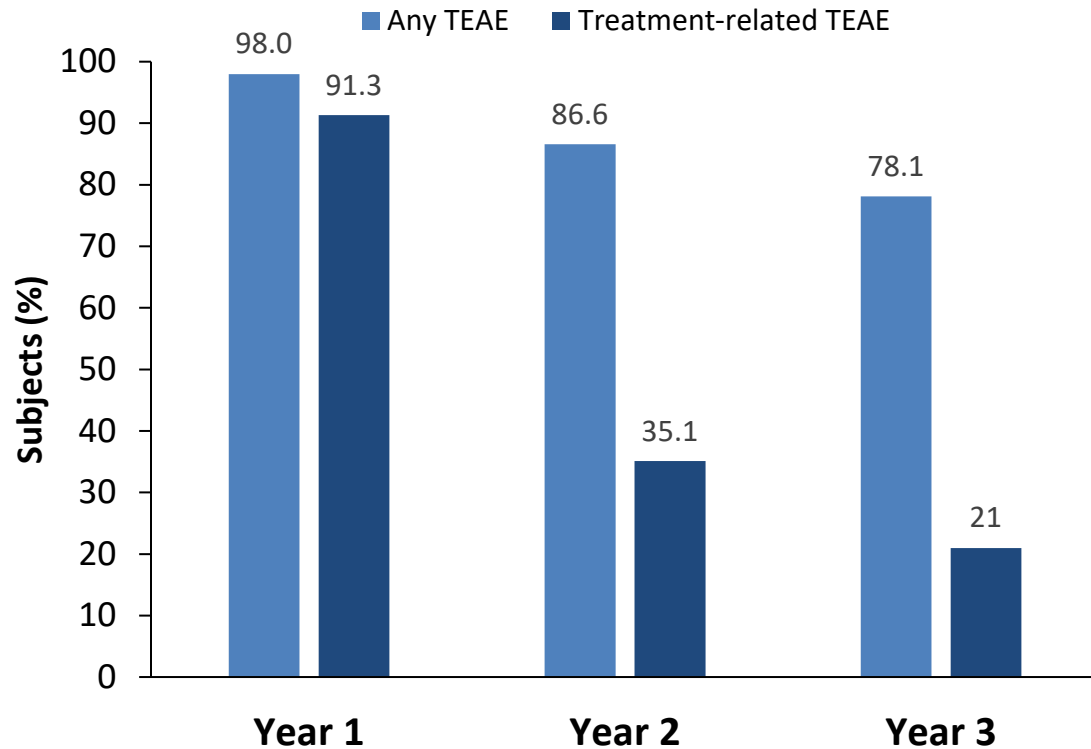
Most Treatment-related TEAEs Were Local Application Site Reactions

Most Frequent Treatment-related TEAEs Occurring in $\geq 10\%$ of Subjects (ATP Safety Population)

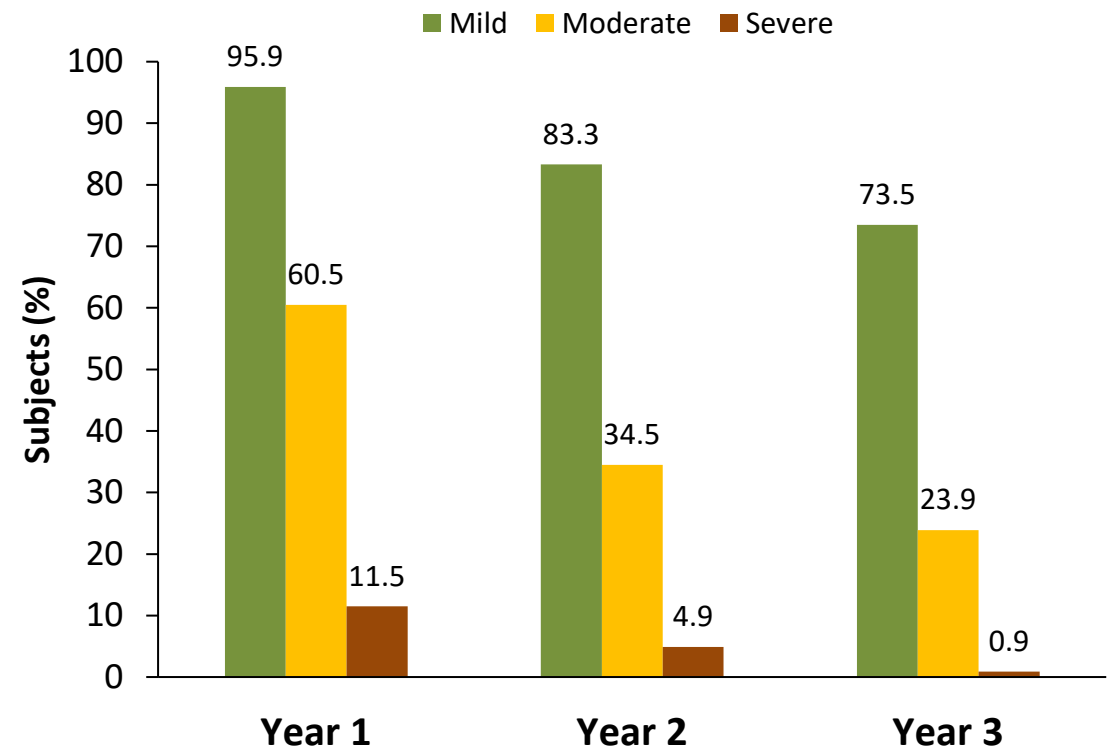
Preferred Term, n (%)	VP250 N=392
Any Treatment-related TEAE	371 (94.6%)
Administration Site Conditions	358 (91.3%)
Application site erythema	297 (75.8%)
Application site pruritus	259 (66.1%)
Application site swelling	148 (37.8%)
Application site papules	57 (14.5%)
Application site eczema	55 (14.0%)
Application site urticaria	40 (10.2%)
Skin and subcutaneous tissue disorders	47 (12.0%)

Incidence and Severity of TEAEs Decreased Over Time

Incidence of TEAEs by year of VP250 treatment (ATP Safety Population)



Severity of TEAEs by year of VP250 treatment (ATP Safety Population)



Rates of Treatment-Related Anaphylactic Reactions Observed

Anaphylactic Reactions

- 16 (4.1%) subjects experienced 17 anaphylactic reactions deemed related to VP250
 - None were severe*
 - In total, 2 serious VP250-related TEAEs (both anaphylaxis):
 - Both were considered medically important events
 - 1 event led to permanent study discontinuation
 - 12 subjects temporarily discontinued and 3 subjects (including the SAE) permanently discontinued treatment due to VP250-related anaphylactic reactions
 - 10 events in 9 subjects (**2.3% of total population**) required epinephrine administration due to VP250-related anaphylactic reactions
- 2 additional subjects received epinephrine for non-anaphylaxis VP250-related events

*As assessed by the Investigator based on a protocol-specified staging system for anaphylaxis.

SAE=serious adverse event; TEAE=treatment-emergent adverse event; VP250=Viaskin Peanut 250 µg.

Summary

- In a study designed to mimic potential real-world use, over 36 months, **Viaskin Peanut was generally well tolerated** by peanut-allergic children aged 4–11 years
- The **frequency and intensity** of local and systemic **treatment-related TEAEs decreased over time**
- **Compliance was high** throughout the duration of the study
- **No specific safety concerns** arose in subjects with **history of severe peanut anaphylaxis**