



**OTONOMY<sup>®</sup>**

**Targeted  
Medicines  
*for the Ear***

**AVERTS-2 Top-line Results  
November 8, 2017**



# Forward-Looking Statements

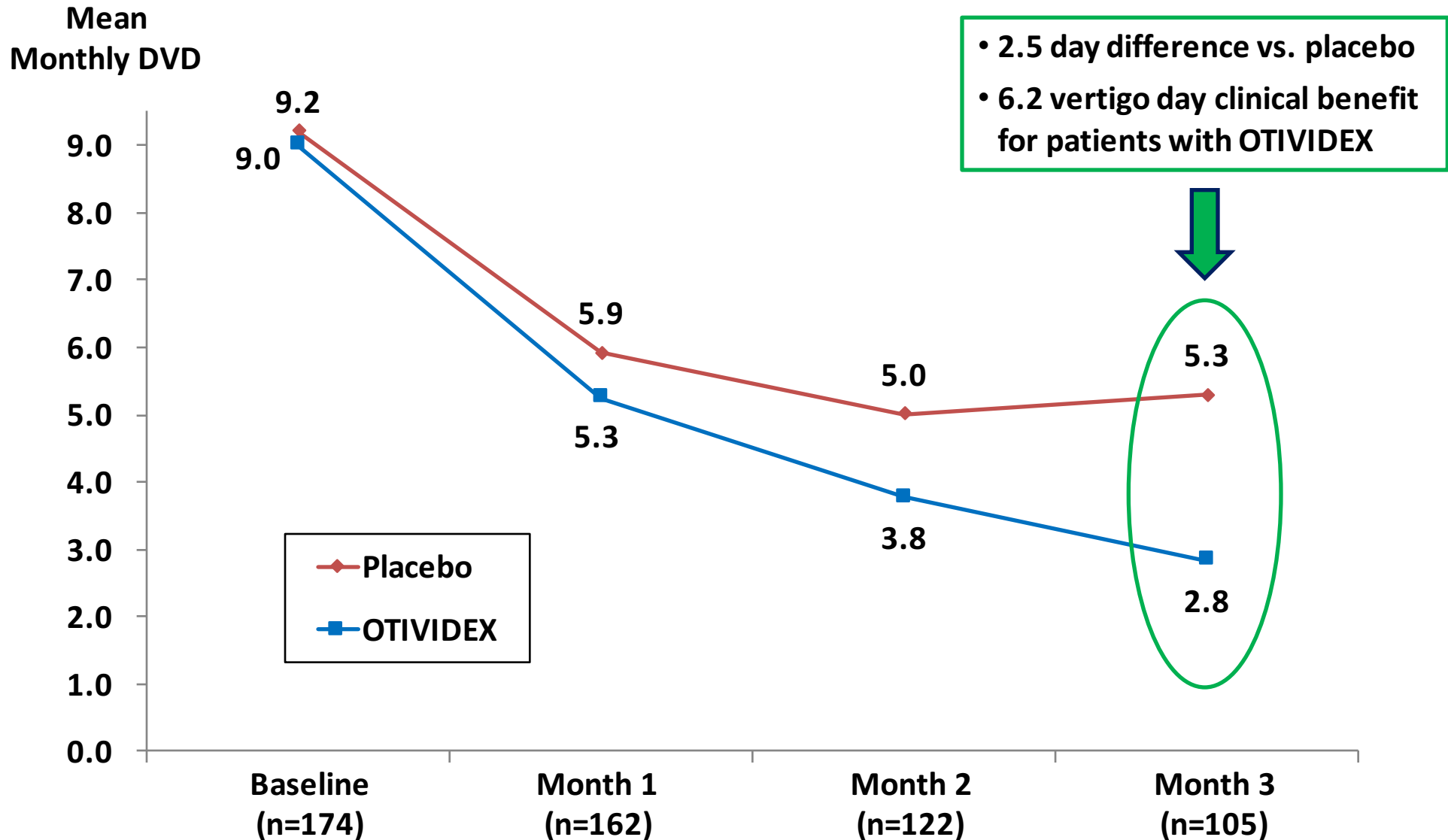
## Safe Harbor Statement

These slides and the accompanying oral presentation (the "Presentation") contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements generally relate to future events or future financial or operating performance of Otonomy, Inc. (the "Company"). Forward-looking statements in this Presentation include, but are not limited to, plans to meet with the FDA regarding the clinical development requirements for OTIVIDEX and the timing of any such meeting, and timing of future pipeline updates from Otonomy. Otonomy's expectations regarding these matters may not materialize, and actual results in future periods are subject to risks and uncertainties. Actual results may differ materially from those indicated by these forward-looking statements as a result of these risks and uncertainties, including but not limited to: Otonomy's limited operating history and its expectation that it will incur significant losses for the foreseeable future; Otonomy's ability to obtain additional financing; Otonomy's dependence on the commercial success of OTIPRIO and the regulatory success and advancement of additional product candidates, such as OTIVIDEX and OTO-311, and label expansion indications for OTIPRIO; the uncertainties inherent in the drug development process, including, without limitation, Otonomy's ability to adequately demonstrate the safety and efficacy of its product candidates, the nonclinical and clinical results for its product candidates, which may not support further development, and challenges related to patient enrollment in clinical trials; Otonomy's ability to obtain regulatory approval for its product candidates; side effects or adverse events associated with Otonomy's product candidates; competition in the biopharmaceutical industry; Otonomy's dependence on third parties to conduct nonclinical studies and clinical trials; the timing and outcome of hospital pharmacy and therapeutics reviews and other facility reviews; the impact of coverage and reimbursement decisions by third-party payors on the pricing and market acceptance of OTIPRIO; Otonomy's dependence on third parties for the manufacture of OTIPRIO and product candidates; Otonomy's dependence on a small number of suppliers for raw materials; Otonomy's ability to protect its intellectual property related to OTIPRIO and its product candidates in the United States and throughout the world; expectations regarding potential market size, opportunity and growth; Otonomy's ability to manage operating expenses; implementation of Otonomy's business model and strategic plans for its business, products and technology; and other risks. Information regarding the foregoing and additional risks may be found in the section entitled "Risk Factors" in Otonomy's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 8, 2017, and Otonomy's future reports to be filed with the SEC. This Presentation is dated as of November 8, 2017, and the Company undertakes no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law.

# Summary of Results from AVERTS-2 Trial

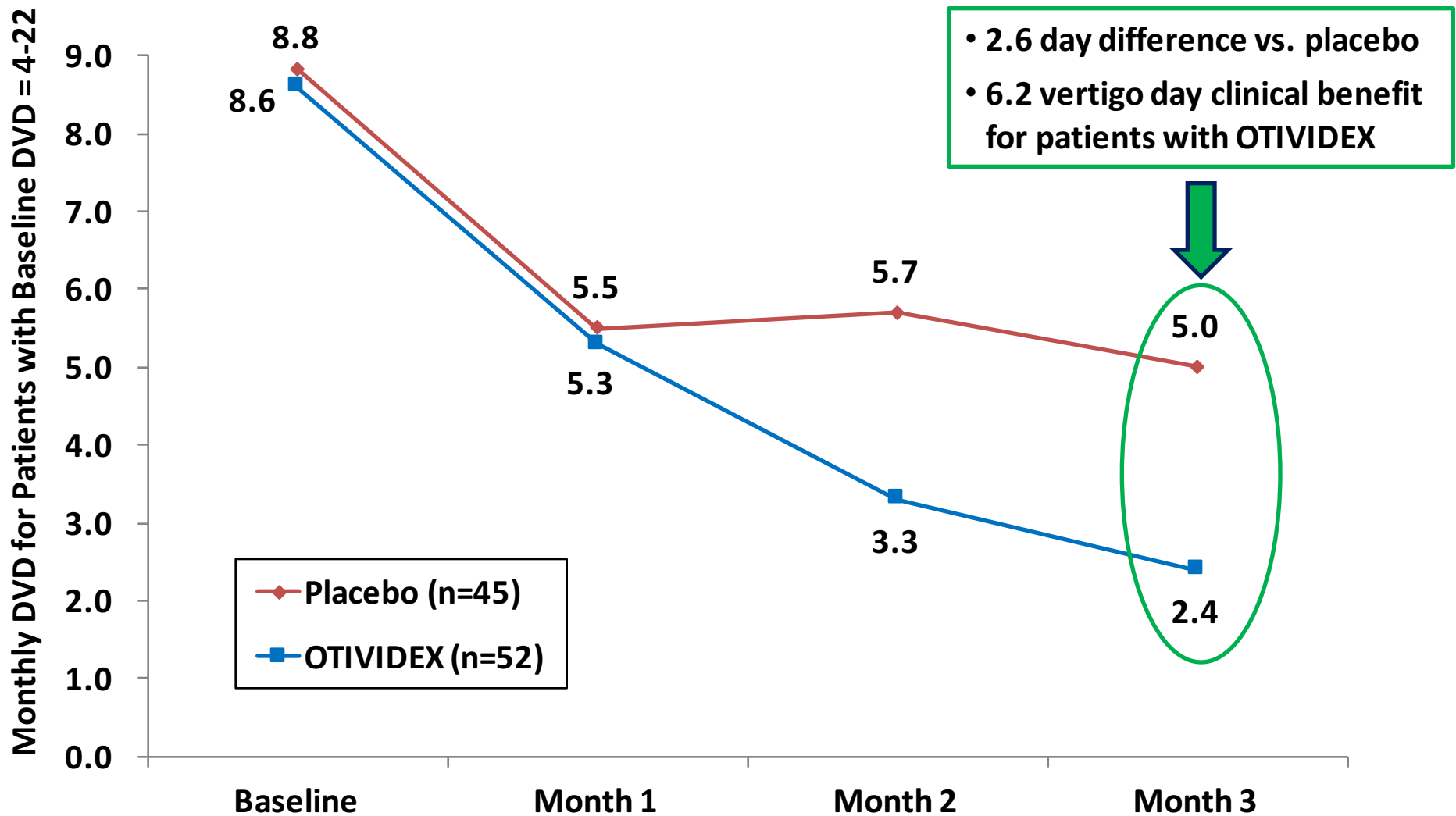
- **Successful result for primary endpoint: statistically significant reduction in count of definitive vertigo days (DVD) by Poisson Regression analysis in Month 3 shown for OTIVIDEX vs. placebo (p value = 0.029)**
- Statistical analysis based on 174 patients enrolled in trial; 105 patients completed daily diaries through Month 3 prior to study termination on August 31, 2017
- Mean monthly DVD and % reduction from baseline consistent with expectations from Phase 2b trial
- OTIVIDEX was generally well-tolerated with no drug-related serious adverse events

# AVERTS-2 Results: Mean Monthly DVD

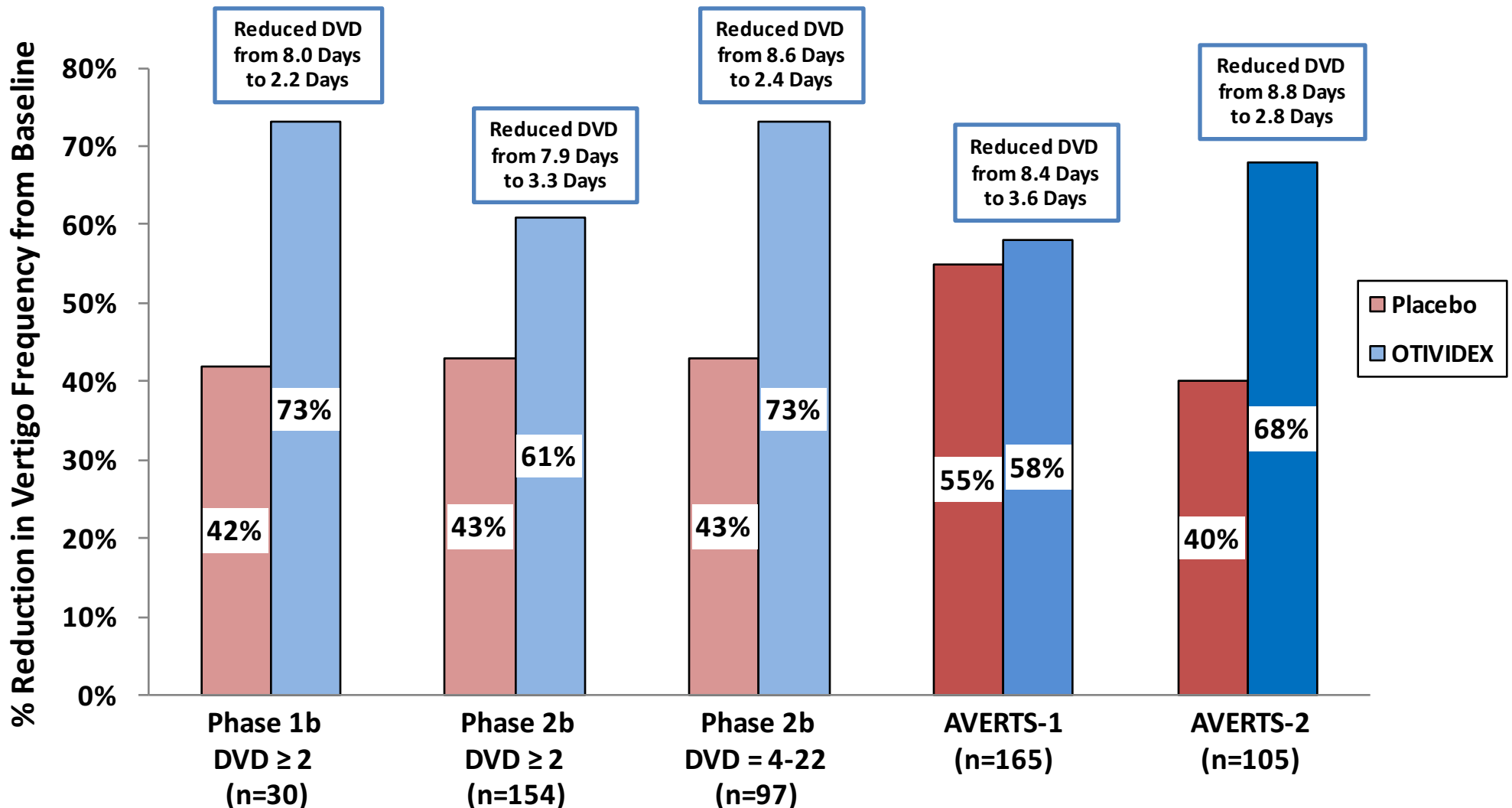


# Results are Consistent with Expectations from Phase 2b

## Mean Monthly DVD from Phase 2b with Phase 3 Patient Entry Criteria



# % Reduction in Vertigo Frequency Across Trials



Phase 1b Baseline Values: OTIVIDEX (12 mg) = 8.0 Days; Placebo = 8.4 Days

Phase 2b with DVD ≥ 2 Baseline Values: OTIVIDEX = 7.9 Days; Placebo = 7.0 Days

Phase 2b with DVD = 4-22 Baseline Values: OTIVIDEX = 8.6 Days; Placebo = 8.8 Days

AVERTS-1 Baseline Values: OTIVIDEX = 8.4 Days; Placebo = 8.9 Days

AVERTS-2 Baseline Values: OTIVIDEX = 8.8 Days; Placebo = 8.9 Days (for 105 patients completing daily diaries through Month 3 prior to study termination)

# Conclusions

- AVERTS-2 results demonstrate treatment benefit of OTIVIDEX in patients with Ménière's disease
- Results support continued development of OTIVIDEX for Ménière's disease

# Next Steps

- Complete analysis of AVERTS-2
- Further assess AVERTS-1 trial and identify factors that might explain different outcomes
- Meet with FDA to discuss results and clinical requirements for registration
- Expect to provide program update in 1Q18 including plan to complete development required to file NDA