

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

022272Orig1s027

STATISTICAL REVIEW(S)



U.S. Department of Health and Human Services
Food and Drug Administration
Center for Drug Evaluation and Research
Office of Translational Sciences
Office of Biostatistics

STATISTICAL REVIEW AND EVALUATION CLINICAL STUDIES

NDA/BLA #:

NDA 022-272

Drug Name:

OxyContin (oxycodone hydrochloride) tablet

Indication(s):

Management of acute pain severe enough to require opioid treatment and for which alternative treatment options are inadequate

Applicant:

Purdue Pharma L.P.

Date(s):

Letter date: December 10, 2014, PDUFA date: June 8, 2015

Review Priority:

Priority

Biometrics Division:

II

Statistical Reviewer:

Feng Li, Ph.D.

Concurring Reviewers:

Freda Cooner, Ph.D.

Medical Division:

Division of Anesthesia, Analgesia, and Addiction Products

Clinical Team:

Javier Muniz, M.D.

Project Manager:

Diana Walker

Keywords:

NDA review, Pediatric Written Request (PWR), Clinical Studies

Table of Contents

LIST OF TABLES.....	3
LIST OF FIGURES.....	4
1. EXECUTIVE SUMMARY.....	5
2. INTRODUCTION	6
2.1 OVERVIEW.....	6
2.2 DATA SOURCES	7
3. STATISTICAL EVALUATION	7
3.1 DATA AND ANALYSIS QUALITY	7
3.2 EVALUATION OF EFFICACY	7
3.2.1 <i>Study Design and Endpoints</i>	7
3.2.2 <i>Statistical Methodologies</i>	8
3.2.3 <i>Patient Disposition, Demographic and Baseline Characteristics</i>	8
3.2.4 <i>Results and Conclusions</i>	10
3.3 EVALUATION OF SAFETY	13
4. FINDINGS IN SPECIAL/SUBGROUP POPULATIONS	13
4.1 GENDER, AGE AND RACE	13
4.2 OTHER SPECIAL/SUBGROUP POPULATIONS	15
5. SUMMARY AND CONCLUSIONS.....	15
5.1 STATISTICAL ISSUES.....	15
5.2 COLLECTIVE EVIDENCE.....	16
5.3 CONCLUSIONS AND RECOMMENDATIONS	16
5.4 LABELING RECOMMENDATIONS	16
APPENDIX.....	18

LIST OF TABLES

Table 1: Subject Disposition.....	9
Table 2: Summary of Demographics and Baseline Characteristics	9
Table 3: Summary of Efficacy Analysis Results	11

LIST OF FIGURES

Figure 1: Pain Assessments by Dose Interval.....	12
Figure 2: Total Supplemental Opioids by Dose Interval	12
Figure 3: Pain Assessments by Age Group.....	13
Figure 4: Total Supplemental Opioids by Age Group	14
Figure 5: Pain Assessments by Gender.....	14
Figure 6: Total Supplemental Opioids by Gender	15

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.