OVERVIEW

Early Development: Ethno-Bridging Study Capabilities

Ethno-bridging studies are a critical component of many clinical trials to address unique Japanese requirements for drug development. PPD's early development services for Japanese ethno-bridging studies can accelerate the clinical trial timeline and reduce costs.

- **Reduce costs and accelerate timelines**
- **Detect ethnic variations in drug metabolism and/or side effects earlier**
- **Attract prospective co-development and licensing opportunities for your product**

Native Japanese Research Coordinator/Project Manager

- **15** years of clinical research experience (recruiting, enrollment, operations)
- **20+** Japanese ethno-bridging studies supported
- Leads all recruitment activities for ethno-bridging studies
- Located in Los Angeles area

Japanese Healthy Volunteer Access

- Database of **150+** Japanese volunteers and growing
- **75%** in Los Angeles
- **10%** in Las Vegas
- **15%** Japan, Canada or Mexico and willing to travel

PPD Early Development Highlights

Las Vegas Clinical Research Unit (CRU)

- Clinical staff fluent in Japanese and trained on customs and preferences of Japanese culture
- Japanese vendors cater authentic meals to maintain the required ethnic diet
- Study completion bonuses in addition to a competitive subject stipend
- High standards of cleanliness, adequate space, staff accessibility and professionalism

Southern California Outpatient Site

- Los Angeles area
- Accommodates out-patient visit evaluations
- Research coordinator resides here
- Virtual trial capabilities (tele-visits and home visits)

Digitally Enabled Trials

- Flexible trial solutions across the digital spectrum to increase patient access and improve the patient experience
- Telemedicine visit capabilities through our development partner Medable, Inc.
- Partnership with Science 37 enables home health visits and procedures

Site and Patient Access

- Targeted advertisements to recruit volunteers
- Access to volunteers globally that are willing to travel to CRU
- Referral program to enhance recruitment

Case Study:

Background

- Investigational product is complex monoclonal antibody
- Protocol required 24 normal healthy Japanese subjects
- Wide range of subject ages needed: 18-55 years old
- To accomplish study goals in a reasonable amount of time, three cohorts of eight subjects each were built into the protocol

PPD Strategy

- Leverage specialized research coordinator to recruit subjects quickly
  - Extensive clinical experience
  - Japanese background
  - Located in target region
- Target first generation immigrants in order to conduct study outside Japan without introducing confounding ethnic backgrounds
- Utilize native Japanese nurses at the CRU

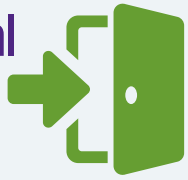
Study Results

- Recruiting was very successful, and team was able to complete enrollment using only two cohorts of 12+ subjects in each
- IRB submission complete within seven days of study award
- IRB approval received within six days of submission
- This reduced the clinical timeline by more than three weeks
- 100% of Japanese subjects enrolled have interest in participating in future studies

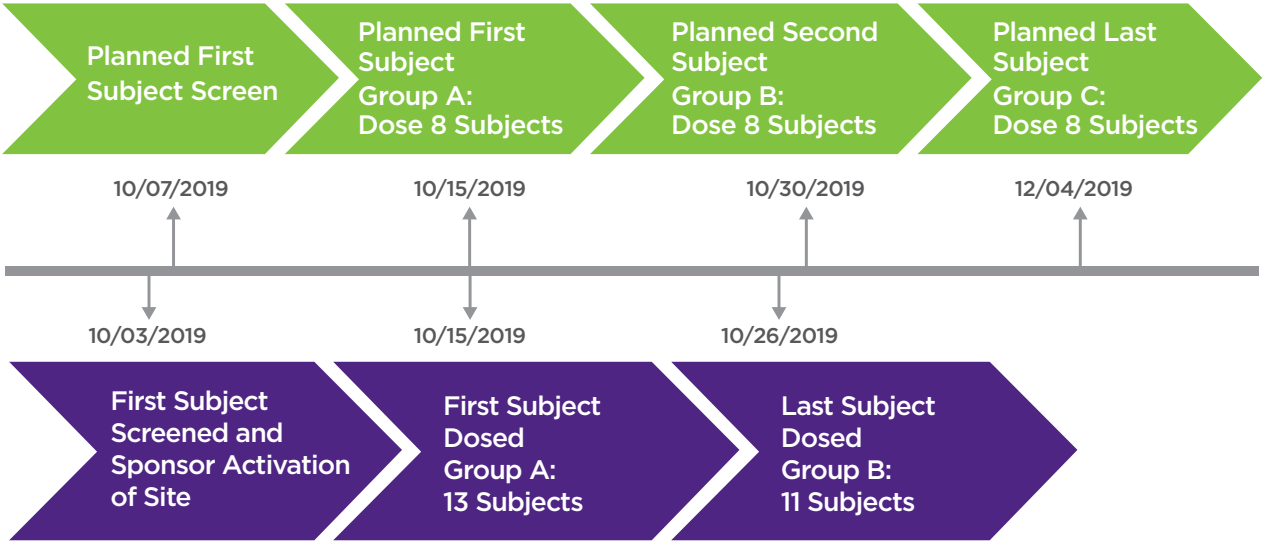
Enrollment Goal
met
39
days early

Screening Failure Rate
11%

Early Withdrawal
0%



Initial Timeframe



Actual Timeframe

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