

15 April 2011 (modified 5/5/11)

WHI AS301: Non-Hodgkin Lymphoma Cases and Controls

Study population: WHI Clinical Trials (CT) and Observational Study (OS)

1. Case selection:

1087 NHL cases (adjudicated NHL or adjudicated CLL with histology code 9823) of Caucasian ancestry were selected from the 30Sep2010 database. A total of 122 NHL cases were excluded

- 78 were not eligible for dbGaP
- 2 had missing histology
- 31 had weak confirmation data
- 1 for incident multiple myeloma prior to NHL
- 10 did not have sufficient DNA volume

leaving a **965 cases**.

2. Controls selection:

Eligible controls (n=105096) were Caucasian, consented to dbGaP, did not have an incident multiple myeloma, had sufficient DNA, and did not self-report prior history of cancer. Controls were frequency matched on enrollment year, age (5-year groups), and consent to the WHI extension study. For each matching bin, controls were eligible if their time from enrollment to cancer, death or last seen (Form 33 date) exceeded the time from enrollment to NHL for the cases. Frequency matching was performed separately for the CT and OS. **A total of 399 controls (202 CT and 197 OS) were matched and randomly selected. 1 control from the back-up bins will be randomly selected so that a total of 400 controls will be pulled.**

To ensure design balance, a backup control for each bin has been identified.

3. Baseline characteristics of Cases and Controls.

Attached.