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| **Diabetic Retinopathy** |
| **Protocol Id** | 140701 |
| **Version #** | 1 |
| **Description of Protocol** | The protocol includes three interviewer-administered questions from the Los Angeles Latino Eye Study (LALES) that capture whether a respondent has eye disease due to diabetes and whether the respondent has had laser treatment for retinopathy. |
| **Specific Instructions** | These questions about diabetic retinopathy from the Los Angeles Latino Eye Study are also included in the Personal and Family History of Eye Disease and Treatments. Therefore, selecting these two protocols together will result in selecting the same questions multiple times. |
| **Protocol Text** | 1. Has a medical doctor ever told you that diabetes has affected blood vessels in your eyes or that you had diabetic retinopathy or diabetic eye disease?**1**[ ]yes**2**[ ]no (skip to end)**8**[ ]refused (skip to end)**9**[ ]DK (skip to end)2. Did you ever have laser treatment or surgery for your diabetic eye disease?**1**[ ]yes, laser treatment**2**[ ]yes, surgery**3**[ ]yes, both**4**[ ]no (skip to end)**8**[ ]refused (skip to end)**9**[ ]DK (skip to end)2a. How many different times have you had laser treatment or surgery for diabetic eye disease?         \_\_\_# times**98**[ ]refused**99**[ ]DK |
| **Selection Rationale** | The Los Angeles Latino Eye Study (LALES) was vetted against several other similar protocols and was chosen because it specifically asks the respondent whether diabetes has caused eye disease and the history of laser surgery in both eyes. |
| **Source** | University of Southern California, Los Angeles Latino Eye Study (LALES). 2000-2003 Section D: Ocular Disease History (Questions 21, 22, and 22a). |
| **Language** | English, Spanish |
| **Participant** | Although the original study by was performed on adults aged 40 years old and older, the Diabetes Working Group recommends that these questions can be used for all adults. |
| **Personnel and Training Required** | The interviewer must be trained to conduct personal interviews with individuals from the general population. The interviewer must be trained and found to be competent (i.e., tested by an expert) at the completion of personal interviews. The interviewer should be trained to prompt respondents further if a "don’t know" response is provided. |
| **Equipment Needs** | These questions can be administered in a computerized or non-computerized format (i.e. pencil and paper instrument). Computer software is necessary to develop computer-assisted instruments. The interviewer will require a laptop computer/handheld computer to administer a computer-assisted questionnaire. |
| **Standards** |

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| **Standard** | **Name** | **ID** | **Source** |
| Common Data Elements (CDE) | Person Diabetic Retinopathy Assessment Description Text | 3070684 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=3070684&version=1.0) |
| Logical Observation Identifiers Names and Codes (LOINC) | Diabetic retinopathy proto | 62801-6 | [LOINC](http://s.details.loinc.org/LOINC/62801-6.html?sections=Web) |

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| **General References** | American Diabetes Association. (2009). Diagnosis and classification of diabetes mellitus*. Diabetes Care*, 32(Supplement 1), S62 - S67. |
| **Protocol Type** | Interviewer-administered questionnaire |
| **Derived Variables** | None |
| **Requirements** |

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| **Requirement Category** | **Required** |
| Average time of greater than 15 minutes in an unaffected individualAverage time of greater than 15 minutes in an unaffected individual | No |
| Major equipmentThis measure requires a specialized measurement device that may not be readily available in every setting where genome wide association studies are being conducted. Examples of specialized equipment are DEXA, Echocardiography, and Spirometry | No |
| Specialized requirements for biospecimen collectionThis protocol requires that blood, urine, etc. be collected from the study participants. | No |
| Specialized trainingThis measure requires staff training in the protocol methodology and/or in the conduct of the data analysis. | No |

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