

The MDRD Study Data Archive

The Modification of Diet in Renal Disease (MDRD) study consisted of two randomized clinical trials that investigated whether protein restriction and control of blood pressure had an effect on the progression of chronic kidney disease (CKD). The study tested two hypotheses—that (1) a reduction in dietary protein and phosphorous intake and (2) the maintenance of blood pressure at a level below that usually recommended safely and effectively delays the progression of CKD.

Archive files are organized into the following directories:

- Documentation
- Forms
- Data
- Dataset Integrity Check (DSIC)
- Analysis

Documents

The APRON Documents directory contains:

- FINAL_Analysis_Integrity_Dec14_2005.pdf
- MDRD General Description.pdf
- MDRD Inventory.pdf
- MDRD Metadata.pdf
- MDRDPublications.pdf
- Close_Out_Manual.pdf
- MDRD Administrative Manual Chapter 10.pdf
- MDRD Administrative Manual Chapter 11.pdf
- MDRD Administrative Manual Chapter 12.pdf
- MDRD Administrative Manual Chapter 13.pdf
- MDRD Administrative Manual Chapter 1.pdf
- MDRD Administrative Manual Chapter 2.pdf
- MDRD Administrative Manual Chapter 3.pdf
- MDRD Administrative Manual Chapter 4.pdf
- MDRD Administrative Manual Chapter 5.pdf
- MDRD Administrative Manual Chapter 6.pdf
- MDRD Administrative Manual Chapter 7.pdf
- MDRD Administrative Manual Chapter 8.pdf
- MDRD Administrative Manual Chapter 9.pdf

- MDRD Administrative Manual Cover and TOC.pdf
- MDRD Clinical Center Procedures (10) Key Entry.pdf
- MDRD Clinical Center Procedures (1) Dietitian's Chapter.pdf
- MDRD Clinical Center Procedures (2) Study Coordinators' Chapter.pdf
- MDRD Clinical Center Procedures (3) MDRD Technician's Section.pdf
- MDRD Clinical Center Procedures (4) Recruitment Coordinators' Chapter.pdf
- MDRD Clinical Center Procedures (5) Computer Chapter.pdf
- MDRD Clinical Center Procedures (6) The Pharmacy Chapter.pdf
- MDRD Clinical Center Procedures (7) Billing Info and HCFA Reimbursement.pdf
- MDRD Clinical Center Procedures (8) The Behavioral Science Chapter.pdf
- MDRD Clinical Center Procedures (9) CBORD Computerized Diet Design Tool Chapter.pdf
- MDRD Clinical Center Procedures_updates.pdf
- MDRD Protocol.pdf

Forms

The MDRD Forms directory contains:

- 00_MDRD_Clinical_Center_Recruitment.pdf
- 01_MDRD_Chart_Screening.pdf
- 02_MDRD_Eligible_No_Screening_Visit.pdf
- 03_MDRD_Screening.pdf
- 04_MDRD_Demographic&Baseline_Exam.pdf
- 05_MDRD_Monthly_Exam.pdf
- 06_MDRD_Local_Lab_Measurement.pdf
- 07_MDRD_Renal_Diagnosis.pdf
- 08_MDRD_2nd_screen_afterB3_or_dropout.pdf
- 09_MDRD_Randomization.pdf
- 10_MDRD_Unscheduled_medical.pdf
- 11_MDRD_Stop_Point.pdf
- 12_MDRD_Abbreviated_Follow-Up.pdf
- 13_MDRD_Annual_Follow-Up_Info.pdf
- 14_MDRD_Reason_Missed_Follow-Ups.pdf
- 15_MDRD_Death_Notification.pdf
- 16_MDRD_GFR_Determination.pdf
- 17_MDRD_CentralLab_Blood_Urine_Mail.pdf
- 18_MDRD_EKG_Mail.pdf
- 19_MDRD_Amino_Acid_Mail.pdf
- 20_MDRD_Local_Lab_QC.pdf
- 21_MDRD_Clinical_Center_CAP_QC.pdf

- 22_MDRD_Central_Lab_QC_ID_Match.pdf
- 23_MDRD_Action_Item_Response.pdf
- 24_MDRD_Data_Out-of-Range.pdf
- 25_MDRD_Data_Change.pdf
- 26_MDRD_Patient_Symptom_Monthly.pdf
- 29_MDRD_Economic_Information.pdf
- 30_MDRD_Transfer.pdf
- 31_MDRD_Study_C_Assignment.pdf
- 32_MDRD_24h_Urine_Report_Biochem_Lab.pdf
- 33_MDRD_Blood_Analysis_Report_Biochem_Lab.pdf
- 34_MDRD_Central_Lab_CAP_QC.pdf
- 35_MDRD_Central_Lab_EKG.pdf
- 36_MDRD_Amino_Acid_Data.pdf
- 37_MDRD_Study_A_&_B_Randomization.pdf
- 38_MDRD_Safety_Variable_Review.pdf
- 39_MDRD_Peer_Group_Range_Form.pdf
- 40_MDRD_Stop_Point_Review.pdf
- 41_MDRD_Death_Review.pdf
- 42_MDRD_GFR_GlomerularFiltrationRate.pdf
- 43_MDRD_Follow-Up_Nutrition_Survey.pdf
- 44_MDRD_Follow-Up_Randomized_Patient_Survey.pdf
- 45_MDRD_Close_Out_NonRandomized_Patient_Survey.pdf
- 46_MDRD_Local_Blood_Pressure.pdf
- 47_MDRD_Study_F.pdf
- 48_MDRD_Leisure_Time_Physical_Activity.pdf
- 50_MDRD_Recruitment_Baseline_Patients.pdf
- 51_MDRD_Other_Evidence_Renal_Disease.pdf
- 52_MDRD_Blood_Pressure_Treatment.pdf
- 53_MDRD_Study3_Enrollment_Mailing_Form.pdf
- 54_MDRD_Blood_Buffy_Coat_SOP.pdf
- 55_MDRD_Dialysis_Delivery_Draft_Form.pdf
- 56_MDRD_Close_Out_Nutrition_Perscription_Form.pdf
- 60_MDRD_FoodRecord_24h_PackingSlip.pdf
- 61_MDRD_Nutrition_Cover_Sheet.pdf
- 62_MDRD_Food_Record_Form.pdf
- 63_MDRD_Recipe_Form.pdf
- 64_MDRD_Three-Day_Food_Record_Form.pdf
- 65_MDRD_Anthropometry.pdf
- 66_MDRD_NCC_Phantom_Matching.pdf
- 67_MDRD_Anthropometry_Monitoring_Obsolete.pdf
- 70_MDRD_Baseline_Diet_Perscription.pdf
- 71_MDRD_Study_Diet_Perscription.pdf
- 72_MDRD_Special_Dietary_Consideration.pdf
- 73_MDRD_Pill_Count.pdf

- 74_MDRD_Diet_Satisfaction_Questions.pdf
- 76_MDRD_Compliance_Counselling_Summary.pdf
- 77_MDRD_Dietician_PatientCare_Time_Log.pdf
- 78_MDRD_Nutrition_History_Questions.pdf
- 79_MDRD_Special_Food_Products_Order.pdf
- 80_MDRD_Low_Protein_Entree.pdf
- _MDRD_800Line_Daily_Log .pdf
- MDRD_Forms_redacted.pdf

Data

The MDRD data directory contains the following files, and the following datasets in Windows-based *SAS*, v.7-8-9 format. Each dataset corresponds to the form of the same name:

CSV_Datasets:

- mdb_01.csv
- mdb_03.csv
- mdb_04.csv
- mdb_05.csv
- mdb_06.csv
- mdb_07.csv
- mdb_08.csv
- mdb_09.csv
- mdb_10.csv
- mdb_11.csv
- mdb_12.csv
- mdb_13.csv
- mdb_14.csv
- mdb_15.csv
- mdb_16.csv
- mdb_17.csv
- mdb_18.csv
- mdb_19.csv
- mdb_20.csv
- mdb_21.csv
- mdb_22.csv
- mdb_23.csv
- mdb_24.csv
- mdb_25.csv
- mdb_26.csv
- mdb_27.csv
- mdb_28.csv

- mdb_29.csv
- mdb_30.csv
- mdb_31.csv
- mdb_32.csv
- mdb_33.csv
- mdb_34.csv
- mdb_35.csv
- mdb_36.csv
- mdb_37.csv
- mdb_38.csv
- mdb_39.csv
- mdb_40.csv
- mdb_41.csv
- mdb_42.csv
- mdb_43.csv
- mdb_44.csv
- mdb_45.csv
- mdb_46.csv
- mdb_47.csv
- mdb_48.csv
- mdb_49.csv
- mdb_50.csv
- mdb_51.csv
- mdb_52.csv
- mdb_53.csv
- mdb_54.csv
- mdb_55.csv
- mdb_56.csv
- mdb_62.csv
- mdb_64.csv
- mdb_65.csv
- mdb_66.csv
- mdb_70.csv
- mdb_71.csv
- mdb_72.csv
- mdb_73.csv
- mdb_74.csv
- mdb_76.csv
- mdb_77.csv
- mdb_78.csv
- mdb_79.csv
- mdb_80.csv
- mdb_81.csv
- mdb_90.csv

- mdb_91.csv
- mdb_92.csv
- mdb_93.csv
- mdb_94.csv
- mdb_95.csv
- mdb_96.csv
- mdb_97.csv
- mdb_98.csv
- scrn_01.csv
- scrn_02.csv
- scrn_03.csv
- scrn_07.csv
- scrn_15.csv
- scrn_24.csv
- scrn_25.csv
- scrn_29.csv
- scrn_41.csv
- scrn_46.csv
- scrn_50.csv
- scrn_51.csv
- scrn_77.csv
- scrn_78.csv
- scrn_98.csv

PROC_Contents/

- mdb_01.lst
- mdb_02.lst
- mdb_03.lst
- mdb_04.lst
- mdb_05.lst
- mdb_06.lst
- mdb_07.lst
- mdb_08.lst
- mdb_09.lst
- mdb_10.lst
- mdb_11.lst
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- mdb_92.lst
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- mdb_96.lst
- mdb_97.lst
- mdb_98.lst
- MDRD.csv
- scrn_01.lst
- scrn_02.lst
- scrn_03.lst
- scrn_07.lst
- scrn_15.lst
- scrn_24.lst
- scrn_25.lst
- scrn_29.lst
- scrn_41.lst
- scrn_46.lst
- scrn_50.lst
- scrn_51.lst
- scrn_77.lst
- scrn_78.lst
- scrn_98.lst

SAS_Datasets/

- ajkd2015_mdrd.sas7bdat
- annals2009_mdrd.sas7bdat
- mdb_01.sas7bdat
- mdb_02.sas7bdat
- mdb_03.sas7bdat
- mdb_04.sas7bdat
- mdb_05.sas7bdat
- mdb_06.sas7bdat
- mdb_07.sas7bdat

- mdb_08.sas7bdat
- mdb_09.sas7bdat
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- mdb_66.sas7bdat
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- mdb_91.sas7bdat
- mdb_92.sas7bdat
- mdb_93.sas7bdat
- mdb_94.sas7bdat
- mdb_95.sas7bdat
- mdb_96.sas7bdat
- mdb_97.sas7bdat
- mdb_98.sas7bdat
- mdrd_longitudinal.sas7bdat
- nej2012_mdrd.sas7bdat
- scrn_01.sas7bdat
- scrn_02.sas7bdat
- scrn_03.sas7bdat
- scrn_07.sas7bdat
- scrn_15.sas7bdat
- scrn_24.sas7bdat
- scrn_25.sas7bdat
- scrn_29.sas7bdat
- scrn_41.sas7bdat
- scrn_46.sas7bdat
- scrn_50.sas7bdat
- scrn_51.sas7bdat
- scrn_77.sas7bdat

- scrn_78.sas7bdat
- scrn_98.sas7bdat

SAS_Formats/

- mdrd_mdb_01_fmt.sas
- mdrd_mdb_02_fmt.sas
- mdrd_mdb_03_fmt.sas
- mdrd_mdb_04_fmt.sas
- mdrd_mdb_05_fmt.sas
- mdrd_mdb_06_fmt.sas
- mdrd_mdb_07_fmt.sas
- mdrd_mdb_08_fmt.sas
- mdrd_mdb_09_fmt.sas
- mdrd_mdb_10_fmt.sas
- mdrd_mdb_11_fmt.sas
- mdrd_mdb_12_fmt.sas
- mdrd_mdb_13_fmt.sas
- mdrd_mdb_14_fmt.sas
- mdrd_mdb_15_fmt.sas
- mdrd_mdb_16_fmt.sas
- mdrd_mdb_17_fmt.sas
- mdrd_mdb_18_fmt.sas
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- mdrd_mdb_40_fmt.sas

- mdrd_mdb_41_fmt.sas
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- mdrd_mdb_45_fmt.sas
- mdrd_mdb_46_fmt.sas
- mdrd_mdb_47_fmt.sas
- mdrd_mdb_48_fmt.sas
- mdrd_mdb_49_fmt.sas
- mdrd_mdb_50_fmt.sas
- mdrd_mdb_51_fmt.sas
- mdrd_mdb_52_fmt.sas
- mdrd_mdb_53_fmt.sas
- mdrd_mdb_54_fmt.sas
- mdrd_mdb_55_fmt.sas
- mdrd_mdb_56_fmt.sas
- mdrd_mdb_62_fmt.sas
- mdrd_mdb_64_fmt.sas
- mdrd_mdb_65_fmt.sas
- mdrd_mdb_66_fmt.sas
- mdrd_mdb_70_fmt.sas
- mdrd_mdb_71_fmt.sas
- mdrd_mdb_72_fmt.sas
- mdrd_mdb_73_fmt.sas
- mdrd_mdb_74_fmt.sas
- mdrd_mdb_76_fmt.sas
- mdrd_mdb_77_fmt.sas
- mdrd_mdb_78_fmt.sas
- mdrd_mdb_79_fmt.sas
- mdrd_mdb_80_fmt.sas
- mdrd_mdb_81_fmt.sas
- mdrd_mdb_90_fmt.sas
- mdrd_mdb_91_fmt.sas
- mdrd_mdb_92_fmt.sas
- mdrd_mdb_93_fmt.sas
- mdrd_mdb_94_fmt.sas
- mdrd_mdb_95_fmt.sas
- mdrd_mdb_96_fmt.sas
- mdrd_mdb_97_fmt.sas
- mdrd_mdb_98_fmt.sas
- mdrd_scrn_01_fmt.sas
- mdrd_scrn_02_fmt.sas
- mdrd_scrn_03_fmt.sas
- mdrd_scrn_07_fmt.sas

- mdrd_scrn_15_fmt.sas
- mdrd_scrn_24_fmt.sas
- mdrd_scrn_25_fmt.sas
- mdrd_scrn_29_fmt.sas
- mdrd_scrn_41_fmt.sas
- mdrd_scrn_46_fmt.sas
- mdrd_scrn_50_fmt.sas
- mdrd_scrn_51_fmt.sas
- mdrd_scrn_77_fmt.sas
- mdrd_scrn_78_fmt.sas
- mdrd_scrn_98_fmt.sas

XSL_Datasets/

- mdrd_longitudinal.xls

Analysis

- MDRD_Analysis_contents.rtf
- analysis.sas7bdat
- base.sas7bdat
- events.sas7bdat
- mdrd_crp.sas7bdat
- format.txt

DSIC

The MDRD Data Integrity Check (DSIC) directory contains:

- AASK_Trial_MDRD_Lab_Data_DSICmod.pdf - A report of an examination of the analysis and form datasets (Inker and Levey papers) for completeness by statisticians and quality control specialists at the Repository. Published results from the MDRD data were compared to values recalculated from MDRD archived analysis datasets in the NIDDK repository.