

MJ Health Resource Center Biodata Database Variable Summary

This table will serve not only as a data summary, but also as a template for a list of requested variables to be submitted by the applicants along with other necessary documents (excel version). The details are as follows :

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3. Basic Information contains common covariates used in basic statistical analysis, they come with all data requests free-of-charge and will not count towards 100-variable limit.
4. Light blue color denotes variables that may contain variations (i.e. systolic blood pressure collected from left or right arm, etc.). For these variables please select all the variations when submitting data request - they will count as one variable when computing application fee.

| Exam Type | Variable Name | | Format | Unit |
|-----------------------------|---------------|---|--------|----------------------|
| Basic Information | | | | |
| | onid | | str15 | |
| | yr | | int | |
| | sex | | byte | |
| | age | | byte | |
| General Exam | | | | |
| | g_hei | general exam - height | float | cm |
| | g_wei | general exam - weight | float | kg |
| | g_bmi | general exam - bmi | float | |
| | g_fat | general exam - body fat | float | % |
| | g_wc | general exam - waist circumference | float | cm |
| | g_hc | general exam - hip circumference | float | cm |
| | g_whr | general exam - waist-to-hip ratio | float | |
| | g_temp | general exam - body temperature | float | |
| | g_ac | general exam - abdominal circumference | int | cm |
| | g_sll | general exam - systolic blood pressure while lying down (left arm) | int | mmHg |
| | g_dll | general exam - diastolic blood pressure while lying down (left arm) | int | mmHg |
| | g_slr | general exam - systolic blood pressure while lying down (right arm) | int | mmHg |
| | g_dlr | general exam - diastolic blood pressure while lying down (right arm) | int | mmHg |
| | g_ssl | general exam - systolic blood pressure while sitting upright (left arm) | int | mmHg |
| | g_dsl | general exam - diastolic blood pressure while sitting upright (left arm) | int | mmHg |
| | g_ssr | general exam - systolic blood pressure while sitting upright (right arm) | float | mmHg |
| | g_dsr | general exam - diastolic blood pressure while sitting upright (right arm) | float | mmHg |
| | g_pul | general exam - pulse rate | float | beats/min |
| | g_rr | general exam - respiration rate | float | breaths/min |
| | g_cc | general exam - chest circumference | float | cm |
| | g_cci | general exam - chest circumference during inspiration | float | cm |
| | g_ed | general exam - lower limb edema | int | |
| Complete Blood Count | | | | |
| | cbc_leu | complete blood count - white blood cells | float | *10 ³ /μl |
| | cbc_ery | complete blood count - red blood cells | float | *10 ⁶ /μl |

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|---|---------------|--|--------|----------------------|
| | cbc_hemo | complete blood count - hemoglobin | float | g/dl |
| | cbc_hema | complete blood count - hematocrit | float | % |
| | cbc_mcv | complete blood count - mean corpuscular volume | float | fl |
| | cbc_mch | complete blood count - mean corpuscular hemoglobin | float | pg |
| | cbc_mchc | complete blood count - mean corpuscular hemoglobin concentration | float | g/dl |
| | cbc_rdw | complete blood count - RBC Distribution Width | float | % |
| | cbc_pla | complete blood count - platelets | int | *10 ³ /μl |
| White Blood Cells Differential Count | | | | |
| | wbc_n | white blood cells differential count - neutrophils | float | % |
| | wbc_l | white blood cells differential count - lymphocytes | float | % |
| | wbc_m | white blood cells differential count - monocytes | float | % |
| | wbc_e | white blood cells differential count - eosinophils | float | % |
| | wbc_b | white blood cells differential count - basophils | float | % |
| Diabetes | | | | |
| | dm_fg | diabetes - fasting blood glucose | float | mg/dl |
| | dm_fg2 | diabetes - repeat fasting blood glucose | float | mg/dl |
| | dm_g | diabetes - blood glucose 2 hours after meal | float | mg/dl |
| Liver Function | | | | |
| | lf_tb | liver function - total bilirubin | float | mg/dl |
| | lf_db | liver function - direct bilirubin | float | mg/dl |
| | lf_tp | liver function - total protein | float | g/dl |
| | lf_alb | liver function - albumin | float | g/dl |
| | lf_ag | liver function - albumin/globulin ratio | float | |
| | lf_glo | liver function - globulin | float | g/dl |
| | lf_alp | liver function - alkaline phosphatase | float | IU/L |
| | lf_got | liver function - serum glutamic-oxaloacetic transaminase (sGOT) | int | IU/L |
| | lf_gpt | liver function - serum glutamic-pyruvic transaminase (sGPT) | float | IU/L |
| | lf_ggt | liver function - gamma-glutamyl transferase (GGT) | int | IU/L |
| | lf_ldh | liver function - lactate dehydrogenase | float | IU/L |
| Renal Function | | | | |
| | rf_bun | renal function - blood urea nitrogen | float | mg/dl |

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|------------------------------------|---------------|--|--------|---------------------------|
| | rf_cre | renal function - creatinine | float | mg/dl |
| | rf_egfr | renal function - estimated glomerular filtration rate | int | ml/min/1.73m ² |
| Uric Acid | | | | |
| | ua_ua | uric acid - uric acid | float | mg/dl |
| Blood Lipid | | | | |
| | l_tg | blood lipid - triglyceride | float | mg/dl |
| | l_chol | blood lipid - cholesterol | float | mg/dl |
| | l_hdlc | blood lipid - HDL cholesterol | float | mg/dl |
| | l_ldlc | blood lipid - LDL cholesterol | float | mg/dl |
| | l_ch | blood lipid - CHOL/HDLC | float | |
| Calcium Phosphorus and Iron | | | | |
| | cpi_ca | calcium phosphorus iron - calcium | float | mg/dl |
| | cpi_p | calcium phosphorus iron - phosphorus | float | mg/dl |
| | cpi_fe | calcium phosphorus iron - iron | float | µg/dl |
| | cpi_tibc | calcium phosphorus iron - total iron binding capacity | float | µg/dl |
| | cpi_ts | calcium phosphorus iron - transferrin saturation | float | % |
| Electrolyte/Enzyme | | | | |
| | ee_amy | electrolyte/enzyme - amylase | int | |
| | ee_cpk | electrolyte/enzyme - creatine phosphokinase | float | |
| | ee_na | electrolyte/enzyme - sodium | int | |
| | ee_k | electrolyte/enzyme - potassium | float | |
| | ee_cl | electrolyte/enzyme - chlorine | int | |
| Hepatitis B | | | | |
| | isd_hbagsv | infectious diseases - hepatitis B surface antigen value | float | |
| | isd_hbabsv | infectious diseases - hepatitis B surface antibody value | float | |
| | isd_hbabcv | infectious diseases - hepatitis B core antibody value | float | |
| Tumor Marker | | | | |
| | tu_afp | tumor marker - alpha-fetoprotein | float | ng/ml |
| | tu_cea | tumor marker - carcinoembryonic antigen | float | ng/ml |
| Thyroid Function | | | | |
| | tf_t3 | thyroid function - triiodothyronine | float | |

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|--------------------------------------|---------------|---|--------|--------|
| | tf_t4 | thyroid function - thyroxine | float | µg/dl |
| | tf_ft4 | thyroid function - free thyroxine | float | ng/dl |
| | tf_tsh | thyroid function - thyroid stimulating hormone | float | µIU/ml |
| Tissue Inflammation Screening | | | | |
| | i_crp | tissue inflammation screening - c-reactive protein | float | mg/dl |
| | i_rafo | tissue inflammation screening - rheumatoid arthritis factor (old) | int | |
| | i_raf | tissue inflammation screening - rheumatoid arthritis factor | float | |
| Syphilis Test | | | | |
| | isd_syrpr | syphilis test - rapid plasma reagin test | int | |
| | isd_sytpa | syphilis test - treponema pallidum hemagglutination assay | int | |
| Blood Group | | | | |
| | bg_type | blood group - blood type | int | |
| | bg_rh | blood group - rh factor | int | |
| Urinalysis | | | | |
| | ur_leu | urinalysis - white blood cells | int | |
| | ur_app | urinalysis - appearance | int | |
| | ur_pro | urinalysis - protein | int | |
| | ur_glu | urinalysis - glucose | int | |
| | ur_bil | urinalysis - bilirubin | int | |
| | ur_urob | urinalysis - urobilinogen | int | |
| | ur_ob | urinalysis - occult blood | int | |
| | ur_ket | urinalysis - ketones | int | |
| | ur_nit | urinalysis - nitrite | int | |
| | ur_sg | urinalysis - specific gravity | float | |
| | ur_ph | urinalysis - pH value | float | |
| | ur_sdrlo | urinalysis - sediment red blood cells low | int | /HPF |
| | ur_sdrhi | urinalysis - sediment red blood cells high | int | /HPF |
| | ur_sdwlo | urinalysis - sediment white blood cells low | int | /HPF |
| | ur_sdwhi | urinalysis - sediment white blood cells high | int | /HPF |
| | ur_sdeplo | urinalysis - sediment epithelial cells low | int | /HPF |
| | ur_sdephi | urinalysis - sediment epithelial cells high | int | /HPF |

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|------------------------------------|---------------|--|----------|
| | ur_sdcalo | urinalysis - sediment casts lower limit | int /LPF |
| | ur_sdcaup | urinalysis - sediment casts upper limit | int /LPF |
| | ur_sdbac | urinalysis - sediment bacteria | float |
| | ur_ot | urinalysis - others | int |
| Colorectal Cancer Screening | | | |
| | cr_stool | colorectal cancer screening - stool | int |
| Abdominal Sonography | | | |
| | as_liverus | abdominal sonography - liver ultrasound | int |
| | as_idu | abdominal sonography - intrahepatic duct ultrasound | int |
| | as_cbdu | abdominal sonography - common bile duct ultrasound | int |
| | as_gall | abdominal sonography - gallbladder ultrasound | int |
| | as_kid | abdominal sonography - kidney ultrasound | int |
| | as_hpv | abdominal sonography - hepatic portal vein ultrasound | int |
| | as_pan | abdominal sonography - pancreas ultrasound | int |
| | as_spl | abdominal sonography - spleen ultrasound | int |
| X-ray | | | |
| | x_che | x-ray - chest x ray | int |
| | x_kub | x-ray - abdominal x ray (KUB) | int |
| | x_ugi | x-ray - upper GI series | int |
| Electrocardiogram | | | |
| | ekg_ekg | EKG | int |
| Ear Nose and Throat | | | |
| | ent_ear | ear nose and throat - ears | int |
| | ent_nose | ear nose and throat - nose | int |
| | ent_thr | ear nose and throat - throat | int |
| | ent_np | ear nose and throat - nasopharynx | int |
| | ent_op | ear nose and throat - oropharynx | int |
| | ent_neck | ear nose and throat - neck | int |
| Pulmonary Function | | | |
| | pf_fvc | pulmonary function - forced vital capacity | float 1 |
| | pf_fev1 | pulmonary function - forced expiratory volume in 1second | float 1 |

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|-----------------------------|---------------|---|--------|--|
| | pf_mmf | pulmonary function - maximum midexpiratory flow | float | l/s |
| Audiometry | | | | |
| | au_l | audiometry - left ear | float | dB |
| | au_r | audiometry - right ear | float | dB |
| Vision | | | | |
| | vi_sle | vision - slit-lamp exam | int | |
| | vi_vanr | vision - visual acuity (naked right eye) | float | |
| | vi_vacr | vision - visual acuity (corrected right eye) | float | |
| | vi_vanl | vision - visual acuity (naked left eye) | float | |
| | vi_vacl | vision - visual acuity (corrected left eye) | float | |
| | vi_color | vision - colorblindness test (color discrimination) | int | |
| | vi_stra | vision - strabismus | int | |
| | vi_ast | vision - astigmatism | int | |
| | vi_tonl | vision - tonometry - intraocular pressure (left eye) | float | mmHg |
| | vi_tonr | vision - tonometry - intraocular pressure (right eye) | int | mmHg |
| Gynecology | | | | |
| | gy_pap | gynecology - pap smear | int | None |
| Bone Mineral Density | | | | |
| | bmd_bmd | bone mineral density screening - bone mineral density | float | |
| | bmd_loc | bone mineral density screening - location | int | |
| | bmd_bmds | bone mineral density screening - bone mineral density screening | float | 1996-2000 mg/cm ² ;2001-2005 g/cm ² ;variable no longer used after |
| | bmd_bmda | bone mineral density screening - bone mineral density analysis | int | |