

Table IV.1. Tests Administered

	Total No. of Tests	Number of Subjects Tested			
		One or More Times	Two or More Times	Three or More Times	Four or More Times
Medical History, Physical Examination, and Laboratory Tests	7395	1142	1006	883	766
Medical history					
Physical examination					
Urinalysis					
Hemogram					
Hematocrit					
Hemoglobin					
Red-cell count					
White-cell count—differential					
Serological test for syphilis					
Chest x-ray					
Resting electrocardiogram	7339	1141	1004	883	762
Cornell Medical Index	2243	1114	649	361	89
Smoking history	7391	1142	1006	882	765
Genetic Factors					
Family history	1142	1142			
Taste test (PTC)	977	977			
Blood typing	766	766			
Dermatoglyphics	682	682			
Lateral dominance	605	461	144		
Biochemical Tests					
Serum albumin and globulin	163	161	2		
Plasma cholesterol and triglycerides	4655	944	812	715	606
Plasma creatinine (see below, "Renal Function")	2049	761	629	438	155
Plasma testosterone	83	83			
Plasma pituitary hormone (AVP)	66	66			
Body Composition					
Anthropometry	7395	1142	1006	883	766
Standing measurements					
Biacromial and waist diameter					
Chest, waist, and buttock depths					
Elbow and neck circumferences					
Height					
Weight					
Skinfold thickness					
Bilateral back, arm, abdomen, and chest					
Chin					
Recumbent measurements	4188	1083	824	668	549

Table IV.1. Tests Administered—(Cont'd.)

	Number of Subjects Tested				
	Total No. of Tests	One or More Times	Two or More Times	Three or More Times	Four or More Times
Body Composition—(Con't.)					
Anthropometry—(Con't.)					
Recumbent measurements	4188	1083	824	668	549
Circumference at iliac crest					
Circumference at greater trochanter					
Length of humerus—right and left					
Circumference of arm at humerus mid-point—right and left					
Length of ulna—right and left					
Circumference of forearm at ulna mid-point—right and left					
Length of femur—right and left					
Circumference of leg of femur mid-point—right and left					
Length of fibula—right and left					
Circumference of calf at maximum— right and left					
Bone density and diameters					
Bone density					
Hand x-rays	2664	1028	697	464	274
Photon scanning	1026	601	317	94	13
Bone diameters from x-rays					
Midshaft overall diameter (hand)	2664	1028	697	464	274
Midshaft medullary diameter (hand)					
Midshaft CCT (hand)					
Metacarpal length (hand)					
Elbow					
Knee					
Wrist					
Ankle					
Body fat thickness from x-rays	377	374	3		
Lean body mass—Behnke Index	4095	1068	797	664	543
Basal metabolism	5672	1092	911	779	636
Creatinine excretion—24-hour	6595	1133	986	816	705
Body water					
Total body water (antipyrine dilution)	1008	717	236	51	4
Extracellular water (thiocyanate dilution)	1078	761	261	52	4
Body density (helium displacement)	132	132			
Nutrition					
Nutrition history	3794	960	791	638	519
Seven-day diet diaries	2755	845	614	489	362

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Neuromuscular function and exercise					
Tapping test	6228	1072	934	810	690
Reaction time					
Touch	1833	782	544	310	148
Simple and choice auditory	1332	675	396	178	61
Reflex time	1317	658	407	177	60
Nerve conduction velocity, motor	2234	834	626	402	237
Exercise screening tests					
Strength test	3697	970	808	603	456
Hand dynamometry—right and left Bilateral adductors, abductors and rotors					
Low-level crank-turning ergometer	3295	924	747	543	408
Maximum work rate—brief	3294	924	747	543	408
Submaximal exercise	630	466	151	13	
Metabolic response—O ₂ & CO ₂ Ventilation					
Blood pressure and pulse rate					
Blood chemistry	200	178	22		
Lactic acid					
Growth hormone					
Activity history questionnaire	5042	1077	865	727	619
Renal Function					
Creatinine clearance—24-hour	4435	1078	875	661	542
Urinalysis (see above, "Medical History, Physical Examination, and Laboratory Tests")					
Pulmonary Function					
Spirometry	6430	1109	945	813	711
Vital capacity—standing and recumbent					
Inspiratory and expiratory reserve volume					
Forced expiratory volume 0.5 and 1.0 sec					
Expiratory flow rates					
Maximum breathing capacity					
Pulmonary gas distribution indices (nitrogen wash-out)	1438	681	477	189	69
Total lung volume					
Residual volume					
Pulmonary and chest compliance	42	42			
Chest x-ray (see above, "Medical History, Physical Examination, and Laboratory Tests")					

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Cardiovascular Function					
Resting electrocardiogram	7339	1141	1004	883	762
Exercise stress electrocardiogram					
Master two-step test	3408	868	687	536	414
Graded treadmill test	2283	771	588	411	262
Systolic time intervals	326	326			
Echocardiography					
One-dimensional	270	258	12		
Two-dimensional	473	473			
Thallium scan of heart (exercise)	356	356			
Gated blood-pool scan	61	61			
Responses to cardiovascular drugs	89	89			
Volume plethysmography	140	140			
His-bundle recording (non-invasive)	80	80			
24-hour ambulatory ECG	150	150			
24-hour ambulatory blood pressure	50	50			
Plasma catecholamines (exercise)	30	30			
Carbohydrate Metabolism					
Oral glucose tolerance test					
1.75 g/kg body wt	1248	871	309	58	9
40.0 g/m ² surface area	842	562	280		
Intravenous glucose tolerance test	1223	767	366	78	11
Cortisone-glucose tolerance test	774	581	160	30	2
Tolbutamide response test	1088	718	305	59	6
Glucose clamp	484	334	108	34	11
Exercise—I-V glucose tolerance	88	88			
Immune System					
Skin Fibroblast Culture	434	344	90		
Perception					
Tonography	3489	935	729	588	456
Visual screening test	5721	1038	901	784	664
Acuity					
Color vision					
Visual fields					
Audiometry—pure and pulse tone	4264	1012	845	683	557

Table IV.1. Tests Administered—(Cont'd.)

	Total No. of Tests	Number of Subjects Tested			
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Cognitive Performance					
Learning					
Serial	1785	905	606	274	
Paired associate	1739	891	589	259	
Southern California tests of intellectual abilities	1378	824	554		
Word fluency					
Associational fluency					
Ideational fluency					
Consequences					
Intelligence tests					
Army Alpha	2939	1055	674	395	212
Wechsler Adult Intelligence Scale (Vocabulary only)	2045	1039	645	285	76
Benton Visual Retention Test	2043	1038	644	286	75
Logical problem solving					
I	529	304	225		
II	476	305	171		
Concept problem solving	1300	841	459		
Memory and response time	334	334			
Immediate free recall					
Delayed memory (recall and recognition)					
Digit memory					
Dichotic listening					
Simple and complex decision time and accuracy					
Personality, Behaviors, and Traits					
Guilford-Zimmerman Temperament Survey	2171	1075	681	327	83
Burgess-Caven-Havighurst attitude questionnaire	2122	1100	608	313	80
Questionnaire on attitudes toward old people	1243	811	360	67	5
Personal interview—family and sex history	777	777			
Imaginal Processes Inventory	613	613			
Thematic Apperception Test	66	66			
Stress-and-coping interview	116	116			
Schedule of life events	394	394			
Eysenck Personality Inventory	394	394			
Daily events check list	401	401			
Well-being assessment sheet	407	407			
Profile of mood states	394	394			
Parent-child relations questionnaire	337	337			
NEO Inventory	348	348			
Defense-mechanism inventory	140	140			
Social desirability scale	275	275			
Coping					
Self-Interview	76	76			
Questionnaire	149	149			
NEO Rating Inventory	146	146			