

PHYSICAL ACTIVITY DERIVED VARIABLES (PAC FORM)							
<i>Note that variable definitions, codes, and values are closely derived from the Kaiser Physical Activity Survey (KPAS)(2;5), a modification of the ARIC physical activity instrument (4). D/R: (Derived) / (Reported)</i>							
Name	V	D/R	Description	Definition	ARIC V3 Variable	Exact Match?	Comments
ACL01	1	D	Active Living Index: physical activity during leisure time excluding sports. One of 4 physical activity scores.	$= (I1 + I2 + I3 + [6 - TLV01]) / 4$ <i>where I1, I2, I3, TLV01 represent ordinal integer recoding of responses to items on PAC Form</i> = missing if one of the above I scores is missing	LISR_I31	No	Similar to ARIC but response choices more specific for JHS
I1	1	R	Minutes walking or bicycling to & from work, errands; Ordinal integer recoding of responses to PACA1	A=(less than 5 minutes)=1 B=(at least 5 but less than 15)=2 C=(at least 15 but less than 30)=3 D=(at least 30 but less than 45)=4 E=(at least 45 minutes)=5	RPAA70	No	ARIC uses “shopping” instead of “errands”
I2	1	R	Frequency walking during leisure time; Ordinal integer recoding of responses to PACA3	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	RPAA68	No	ARIC responses Never, seldom, sometimes, often, very often
I3	1	R	Frequency biking during leisure time; Ordinal integer recoding of responses to PAC A4	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	RPAA69	No	ARIC responses Never, seldom, sometimes, often, very often
TLV01	1	R	Frequency of television watching; Ordinal integer recoding of responses to PACA6	A=(less than 1 hour per week)=1 B=(at least 1 hour a week but less than 7 hours a week)=2 C=(at least 1 hour per day but less than 2 hours a day)=3 D=(at least 2 hours a day but less than 4 hours a day)=4 E=(4 or more hours a day)=5	RPAA67	No	ARIC responses Never, seldom, sometimes, often, very often
BLK01	1	R	City blocks walked daily to & from work, errands; Ordinal integer recoding of responses to PAC A2	A=(less than 5 blocks)=1 B=(at least 5 but less than 10)=2 C=(at least 10 but less than 15)=3 D=(at least 15 but less than 20)=4 E=(more than 20 blocks)=5	N/A	N/A	No comparable ARIC item; from Paffenbarger Survey (3)
I4	1	R	How often sweat from exertion during leisure time; ordinal recoding of PACA5	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	RPAA66	No	ARIC does not include “from exertion”

PHYSICAL ACTIVITY DERIVED VARIABLES (PAC FORM)							
<i>Note that variable definitions, codes, and values are closely derived from the Kaiser Physical Activity Survey (KPAS)(2;5), a modification of the ARIC physical activity instrument (4). D/R: (Derived) / (Reported)</i>							
Name	V	D/R	Description	Definition	ARIC V3 Variable	Exact Match?	Comments
WRK01A	1	D	Work Index. This is one of 4 physical activity indices.	=(I5+I6+I8+I9+I10+I11+[(6-I7)+OCI01])/8 =missing if <i>any</i> of above missing =missing if PACA8 response = No	WORK_I32	No	ARIC did not set to missing if no work outside home; JHS will compute scores only for participants with work/volunteer work
I5	1	R	Physical difficulty of work compared to peers; ordinal recoding of responses to PACA9	A=(much lighter)=1 B=(lighter)=2 C=(the same as)=3 D=(heavier)=4 E=(much heavier)=5	RPAA46	Yes	
I6	1	R	Physically tired after work; ordinal recoding of PACA10 responses	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA44	Yes	
I7	1	R	Frequency sitting at work; ordinal recoding of PACA11a responses	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA40	Yes	
I8	1	R	Frequency standing at work; ordinal recoding of PACA11b	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA41	Yes	
I9	1	R	Frequency walking at work; ordinal recoding of Item PACA11c	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA42	Yes	
I10	1	R	Frequency lifting heavy loads at work; recoding of PACA11d	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA43	Yes	

PHYSICAL ACTIVITY DERIVED VARIABLES (PAC FORM)							
<i>Note that variable definitions, codes, and values are closely derived from the Kaiser Physical Activity Survey (KPAS)(2;5), a modification of the ARIC physical activity instrument (4). D/R: (Derived) / (Reported)</i>							
Name	V	D/R	Description	Definition	ARIC V3 Variable	Exact Match?	Comments
I11	1	R	Frequency sweating at work from exertion; recoding of PACA11e	A=(never)=1 B=(seldom)=2 C=(sometimes)=3 D=(often)=4 E=(always)=5	RPAA45	Yes	
OCI01	1	R	Intensity code of most recent occupation with its intensity coded as Low, Medium, or High; derived from PDS Form PDSA6a, PDSA7, PDSA8; see separate section	Low=1 Medium=3 High=5	HOM57	?	Differences will occur if some occupations are not found in ARIC coding
HFY01	1	D	Home/yard Index ; one of 4 physical activity indices	=(I12+I13+I14+I15+I16+I17+I18)/7 =missing if any of above missing	N/A		No comparable items in ARIC; modified from KPAS (2)
I12	1	R	Caregiving time; ordinal recoding of PACA12	A=(less than 1 hr per week)=1 B=(at least 1 but less than 20)=3 C=(more than 20)=5	N/A		Modified KPAS item
I13	1	R	Meal preparation and cleanup time; ordinal recoding of PACA13	A=(less than 30 min per day)=1 B=(more than 30 min but less than 1 hr)=2 C=(at least 1 hr but less than 1.5 hr)=3 D=(more than 1.5 hr but less than 2)=4 E=(more than 2 hours per day)=5	N/A		Modified KPAS item
I14	1	R	Frequency major cleaning activities; ordinal recoding of PACA14	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	N/A		Modified KPAS item
I15	1	R	Frequency routine cleaning; ordinal recoding of PACA15	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5			Modified KPAS item

PHYSICAL ACTIVITY DERIVED VARIABLES (PAC FORM)							
<i>Note that variable definitions, codes, and values are closely derived from the Kaiser Physical Activity Survey (KPAS)(2;5), a modification of the ARIC physical activity instrument (4). D/R: (Derived) / (Reported)</i>							
Name	V	D/R	Description	Definition	ARIC V3 Variable	Exact Match?	Comments
I16	1	R	Frequency gardening/yard work; ordinal recoding PACA16	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	N/A		KPAS item
I17	1	R	Frequency heavy outdoor work; ordinal recoding PACA17	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	N/A		Modified KPAS item
I18	1	R	Frequency major home repair activities; ordinal recoding of PACA18	A=(less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	N/A		KPAS item
SPT01	1	D	Sport Index ; one of 4 physical activity indices	=(I4+I19+SSS01+I20)/4 =1 if PACA19=No =missing if SSS01 or any of above I variables missing	SPRT_I31	No	ARIC allowed 4 sports; JHS has 3; Adapted from KPAS (2)
SSS01	1	D	Simple sport score [component of the Sport score]	= SSS01_A+SSS01_B+SSS01_C <i>See separate section below for computing simple sport score</i>		No	ARIC allowed 4 sports; JHS allows 3
I19	1	R	How often did you play sports or exercise in the past year; ordinal integer recoding of PACA20 responses	A=(never or less than once a month)=1 B=(once a month)=2 C=(2-3 times a month)=3 D=(once a week)=4 E=(more than once a week)=5	N/A	N/A	Adapted from KPAS item
I20	1	R	Recreational activity versus peers; ordinal integer recoding of PACA30	A=(much less)=1 B=(less)=2 C=(same as)=3 D=(more)=4 E=(much more)=5	RPAA65		Slight change in wording; Adapted from KPAS

PHYSICAL ACTIVITY DERIVED VARIABLES (PAC FORM)							
<i>Note that variable definitions, codes, and values are closely derived from the Kaiser Physical Activity Survey (KPAS)(2;5), a modification of the ARIC physical activity instrument (4). D/R: (Derived) / (Reported)</i>							
Name	V	D/R	Description	Definition	ARIC V3 Variable	Exact Match?	Comments
PAT01		D	Total Physical Activity Score (4-index)	=ACL01+ WRK01A+ HFY01+SPT01 =missing if <i>any of the above</i> are missing			
PAT02		D	Total Physical Activity Score (3-index)	=ACL01+ HFY01+SPT01 =missing if <i>any of the above</i> are missing			

CALCULATION OF SSS01 (SIMPLE SPORT SCORE)

The simple sport code is calculated by taking the sum of the products of intensity, time, and proportion of year for any sports/exercises named in PACA21a-PACA29c then coding for a value of 1 to 5 as indicated below:

1) **Recoding of Sport and Exercise Variables PACA21-PACA29**

*a) **Recode Intensity Values (same as ARIC with addition of new activities not found in ARIC)***

PACA21B, PACA24B, and PACA27B are recoded using the list of sports and values of low, medium, or high for each derived from the ARIC sport intensity list and the Compendium of Physical Activities (1) for any activities not coded by ARIC. *See separate section (page 8-9) for intensity values of sports and exercises.*

Intensity codes are recoded to numeric values as follows:

Low = 0.76

Medium= 1.26

High= 1.76

*b) **Recode proportion of year values***

PACA22, PACA25, and PACA28 are recoded as follows:

A=(less than 1 month) =0.5

B= (1 to 3 months) =1.3

C= (4 to 6 months) = 2.5

D= (7 to 9 months) =3.5

E= (more than 9 months) =4.5

Coding is from KPAS (2) and is different from ARIC.

*c) **Recode time per week values***

PACA23, PACA26, and PACA29 are recoded as follows (same as ARIC):

A=(less than 1 hour) =0.04

B= (at least 1 but less than 2 hours) =0.17

C= (at least 2 but less than 3 hours) =0.42

D= (at least 3 but less than 4 hours) =0.67

E= (4 hours or more) =0.92

2) **Calculate the Simple Sport Score (SSS01)**

a) *Multiply recoded intensity, time, and proportion of year activity performed*

	<u>Intensity*Time*Proportion of Year</u>	<u>Comments</u>
SSS01_A	Recoded PACA21B * recoded PACA22 * recoded PACA23	=0 if PACA21a missing =0 if PACA19 = No
SSS01_B	Recoded PACA24B * recoded PACA25 * recoded PACA26	=0 if PACA24a missing =0 if PACA19 = No
SSS01_C	Recoded PACA27B * recoded PACA28 * recoded PACA29	=0 if PACA27a missing =0 if PACA19 = No

b) *Sum products and assign simple sport score (SSS01)*

$$SSS01_S = (SSS01_A + SSS01_B + SSS01_C)$$

	<u>Simple Sport Score</u>
SSS01_S = 0	SSS01=1
SSS01_S > 0.01 but < 4	SSS01=2
SSS01_S ≥ 4 but < 8	SSS01=3
SSS01_S ≥ 8 but < 12	SSS01=4
SSS01_S > 12	SSS01=5

Intensity Codes for Sports and Exercise Codes

Activities that may be coded from PACA but not considered sport/exercise are listed as “N/A”.

Activity code	JHS activity	JHS intensity used for algorithm
Aerobic Activities		
1	aerobic dance	high
2	bicycling	medium
3	crew/rowing machine	high
4	cross country skiing, ski machine	high
5	hiking/back packing	medium
6	running/jogging	high
7	stairclimber	high
8	stationary bike	medium
9	swimming	medium
10	treadmill	high
11	vigorous walking	medium
Conditioning Exercises		
12	calisthenics	low
13	circuit training	high
14	nautilus	low
15	stretching/yoga	low
16	weight lifting	low
Racquet Sports		
17	badminton	medium
18	racquetball	high
19	tennis	high
Water Sports		
20	canoeing/kayaking	low
21	diving	low
22	sailing	low
23	waterskiing	medium
24	windsurfing/bodysurfing	low
Dance		
25	African, Haitian dance	medium
26	ballet, modern, jazz	medium
27	folk or social dance	medium
28	other dance	medium
Team Sports		
29	basketball	medium
30	field hockey/lacrosse	high
31	soccer	high
32	softball	medium
33	volleyball	low
Other Sports		
34	bowling	low
35	golf	medium
36	gymnastics	medium

37	horseback riding	medium
38	martial arts	high
39	skating, ice	high
40	skiing, downhill	high
Uncoded activities		
41	walking (non-vigorous)	low
42	water aerobics	medium
43	officiating sports	medium
44	sit to be fit & chair class	low
45	home aerobic machine	low
46	hunting	medium
47	stretching around house	low
48	baseball	medium
49	ping pong (table tennis)	medium
50	sit ups	high
51	fishing	low
52	taebo	high
53	physical therapy	N/A
54	coaching sports	medium
55	climb bleachers	high
56	push ups	high
57	hot air ballooning	N/A
58	ab machine (slider)	medium
59	Gazell elliptical machine	high
60	total gym	medium
61	kick boxing	high
62	football	high
63	cardio training	medium
64	leg pressor	medium
65	spinning	high
66	glider	high
67	step aerobics	high
68	low impact aerobics	medium
69	arm &/or leg exercise	low
70	flag football	high
71	drumming	N/A

Reference List

1. Ainsworth BE, Haskell WL, Whitt MC, Irwin ML, Swartz AM, Strath SJ, O'Brien WL, Bassett DRJr, Schimtz KH, Emplaincourt PO, et al. Compendium of physical activities: an update of activity codes and MET intensities. *Medicine & Science in Sports & Exercise* 2000;32(9, Suppl):S498-S516.
2. Ainsworth BE, Sternfeld B, Richardson MT, Jackson K. Evaluation of the Kaiser Physical Activity Survey in Women. *Medicine & Science in Sports & Exercise* 2000;32(7):1327-38.
3. Paffenbarger RSJr, Blair SN, Lee I, Hyde RT. Measurement of physical activity to assess health effects in free-living populations. *Medicine and Science in Sports and Exercise* 1993;25(1):60-70.
4. Richardson MT, Ainsworth BE, Wu H, Jacobs DRJr, Leon AS. Ability of the Atherosclerosis Risk in Communities (ARIC)/Baecke Questionnaire to assess leisure-time physical activity. *International Journal of Epidemiology* 1995;24(4):685-93.
5. Sternfeld B, Ainsworth BE, Quesenberry CP. Physical activity patterns in a diverse population of women. *Preventive Medicine* 1999;28:313-23.

Occupational Codes and Intensity Codes					
Participant's Occupation Code	Occupational Abbreviated Status	Intensity code of most recent occupation [as of visit 1] with its intensity coded as Low=1, Medium=3, or High=5;	Participant's Occupation Code	Occupational Abbreviated Status	Intensity code of most recent occupation with its intensity coded as Low=1, Medium=3, or High=5;
10-1011	.	1	13-1031	Management	1
45-5081	.	1	13-1041	Management	1
53-9099	.	1	13-1049	Management	1
91-9199	.	1	13-1061	Management	1
11-1011	Management	1	13-1071	Management	1
11-1021	Management	1	13-1072	Management	1
11-1031	Management	1	13-1073	Management	1
11-2011	Management	1	13-1079	Management	1
11-2021	Management	1	13-1111	Management	1
11-2022	Management	1	13-1121	Management	1
11-2031	Management	1	13-1199	Management	1
11-3011	Management	1	13-2011	Management	1
11-3021	Management	1	13-2021	Management	1
11-3031	Management	1	13-2031	Management	1
11-3041	Management	1	13-2041	Management	1
11-3049	Management	1	13-2051	Management	1
11-3051	Management	1	13-2052	Management	1
11-3061	Management	1	13-2053	Management	1
11-3071	Management	1	13-2071	Management	1
11-3149	Management	1	13-2072	Management	1
11-9012	Management	1	13-2081	Management	1
11-9031	Management	1	13-2082	Management	1
11-9032	Management	1	13-2099	Management	1
11-9033	Management	1	13-4011	Management	1

11-9039	Management	1	15-1021	Management	1
11-9051	Management	1	15-1031	Management	1
11-9061	Management	1	15-1041	Management	1
11-9081	Management	1	15-1051	Management	1
11-9111	Management	1	15-1071	Management	1
11-9131	Management	1	15-1081	Management	1
11-9141	Management	1	15-2031	Management	1
11-9151	Management	1	15-2041	Management	1
11-9199	Management	1	17-2051	Management	1
13-1011	Management	1	17-2061	Management	1
13-1021	Management	1	17-2071	Management	1
13-1022	Management	1	17-2072	Management	1
13-1023	Management	1	17-2081	Management	1
17-3023	Management	1	25-1052	Management	1
17-3026	Management	1	25-1069	Management	1
17-3027	Management	1	25-1071	Management	1
17-3029	Management	1	25-1072	Management	1
19-1021	Management	1	25-1111	Management	1
19-1029	Management	1	25-1121	Management	1
19-2031	Management	1	25-1123	Management	1
19-2041	Management	1	25-1124	Management	1
19-3021	Management	1	25-1191	Management	1
19-3031	Management	1	25-1194	Management	1
19-3039	Management	1	25-1199	Management	1
19-3051	Management	1	25-2021	Management	1
19-3099	Management	1	25-3011	Management	1
19-4021	Management	1	25-3021	Management	1
19-4031	Management	1	25-3099	Management	1
19-4041	Management	1	25-4011	Management	1
19-4099	Management	1	25-4021	Management	1
20-2021	Management	1	25-4031	Management	1
21-1011	Management	1	25-9021	Management	1
21-1012	Management	1	25-9031	Management	1

21-1013	Management	1	25-9099	Management	1
21-1015	Management	1	27-1023	Management	1
21-1019	Management	1	27-1024	Management	1
21-1021	Management	1	27-1029	Management	1
21-1023	Management	1	27-2012	Management	1
21-1029	Management	1	27-2041	Management	1
21-1079	Management	1	27-2042	Management	1
21-1091	Management	1	27-3011	Management	1
21-1092	Management	1	27-3022	Management	1
21-1093	Management	1	27-3031	Management	1
21-1099	Management	1	27-3041	Management	1
21-1102	Management	1	27-3042	Management	1
21-2011	Management	1	27-3043	Management	1
21-2021	Management	1	27-4012	Management	1
21-2099	Management	1	27-4021	Management	1
23-1011	Management	1	29-1021	Management	1
23-1021	Management	1	29-1031	Management	1
23-1022	Management	1	29-1051	Management	1
23-1023	Management	1	29-1064	Management	1
23-2011	Management	1	29-1065	Management	1
23-2093	Management	1	29-1066	Management	1
25-1021	Management	1	29-1069	Management	1
25-1022	Management	1	29-1071	Management	1
25-1042	Management	1	29-1125	Management	1
29-1126	Management	1	31-9099	Service	1
29-1127	Management	1	33-1011	Service	1
29-1129	Management	1	33-1012	Service	1
29-1131	Management	1	33-1021	Service	1
29-2011	Management	1	33-1099	Service	1
29-2012	Management	1	33-3012	Service	1
29-2021	Management	1	33-9021	Service	1
29-2031	Management	1	33-9099	Service	1
29-2032	Management	1	34-2012	Service	1

29-2033	Management	1	35-1012	Service	1
29-2034	Management	1	35-2012	Service	1
29-2052	Management	1	35-2013	Service	1
29-2053	Management	1	35-3022	Service	1
29-2054	Management	1	35-9031	Service	1
29-2055	Management	1	37-1011	Service	1
29-2056	Management	1	37-1012	Service	1
29-2071	Management	1	37-3019	Service	1
29-2081	Management	1	39-1011	Service	1
29-2099	Management	1	39-1021	Service	1
29-9011	Management	1	39-3011	Service	1
29-9012	Management	1	39-3021	Service	1
29-9099	Management	1	39-3091	Service	1
11-9021	Management	3	39-3093	Service	1
25-1193	Management	3	39-4021	Service	1
25-2011	Management	3	39-5092	Service	1
25-2012	Management	3	39-6031	Service	1
25-2021	Management	3	39-9041	Service	1
25-2022	Management	3	39-9091	Service	1
25-2031	Management	3	39-9099	Service	1
25-2032	Management	3	31-1011	Service	3
25-2041	Management	3	31-1012	Service	3
25-2042	Management	3	31-2021	Service	3
25-9041	Management	3	31-2022	Service	3
27-1026	Management	3	33-2011	Service	3
27-2022	Management	3	33-3021	Service	3
29-1111	Management	3	33-3051	Service	3
29-2061	Management	3	33-3052	Service	3
31-1013	Service	1	33-9032	Service	3
31-2012	Service	1	33-9091	Service	3
31-3092	Service	1	35-1011	Service	3
31-9091	Service	1	35-2011	Service	3
31-9092	Service	1	35-2014	Service	3

31-9093	Service	1	35-2015	Service	3
31-9096	Service	1	35-2021	Service	3
35-3011	Service	3	43-3061	Sales	1
35-3021	Service	3	43-3071	Sales	1
35-3031	Service	3	43-4031	Sales	1
35-3041	Service	3	43-4051	Sales	1
35-9011	Service	3	43-4061	Sales	1
35-9021	Service	3	43-4071	Sales	1
37-3011	Service	3	43-4081	Sales	1
39-2021	Service	3	43-4121	Sales	1
39-5011	Service	3	43-4131	Sales	1
39-5012	Service	3	43-4161	Sales	1
39-5093	Service	3	43-4171	Sales	1
39-6011	Service	3	43-4181	Sales	1
39-9011	Service	3	43-4199	Sales	1
39-9021	Service	3	43-5031	Sales	1
39-9032	Service	3	43-5032	Sales	1
37-2011	Service	5	43-5053	Sales	1
37-2012	Service	5	43-5061	Sales	1
39-9031	Service	5	43-5071	Sales	1
41-1011	Sales	1	43-5081	Sales	1
41-1012	Sales	1	43-5111	Sales	1
41-2011	Sales	1	43-6011	Sales	1
41-2021	Sales	1	43-6019	Sales	1
41-2022	Sales	1	43-9011	Sales	1
41-2031	Sales	1	43-9021	Sales	1
41-3011	Sales	1	43-9022	Sales	1
41-3021	Sales	1	43-9041	Sales	1
41-3031	Sales	1	43-9061	Sales	1
41-3041	Sales	1	43-9099	Sales	1
41-3099	Sales	1	43-9111	Sales	1
41-4011	Sales	1	43-9199	Sales	1
41-4012	Sales	1	41-9091	Sales	3

41-9012	Sales	1	43-5021	Sales	3
41-9021	Sales	1	43-5041	Sales	3
41-9022	Sales	1	43-5051	Sales	3
41-9041	Sales	1	43-5052	Sales	3
41-9099	Sales	1	43-9051	Sales	3
43-1011	Sales	1	45-1011	Farming	1
43-2011	Sales	1	45-4021	Farming	1
43-2021	Sales	1	45-2011	Farming	3
43-3011	Sales	1	45-2093	Farming	3
43-3021	Sales	1	47-2073	Construction	1
43-3031	Sales	1	47-2131	Construction	1
43-3051	Sales	1	47-2181	Construction	1
43-3052	Sales	1	47-3019	Construction	1
47-4099	Construction	1	47-2152	Construction	5
49-1011	Construction	1	47-2161	Construction	5
49-2011	Construction	1	47-2221	Construction	5
49-2023	Construction	1	47-3015	Construction	5
49-2027	Construction	1	49-3021	Construction	5
49-2096	Construction	1	49-9041	Construction	5
49-2097	Construction	1	51-1011	Production	1
49-9031	Construction	1	51-1012	Production	1
49-9043	Construction	1	51-2099	Production	1
49-9062	Construction	1	51-4033	Production	1
49-9069	Construction	1	51-4199	Production	1
49-9094	Construction	1	51-5011	Production	1
49-9099	Construction	1	51-5021	Production	1
47-1011	Construction	3	51-5023	Production	1
47-2082	Construction	3	51-6051	Production	1
47-2111	Construction	3	51-6052	Production	1
47-2141	Construction	3	51-6099	Production	1
47-4011	Construction	3	51-8013	Production	1
47-4021	Construction	3	51-9061	Production	1
47-4041	Construction	3	51-9081	Production	1

47-4051	Construction	3	51-9082	Production	1
47-4071	Construction	3	51-9083	Production	1
47-4091	Construction	3	51-9123	Production	1
49-2022	Construction	3	51-9132	Production	1
49-3011	Construction	3	51-9198	Production	1
49-3022	Construction	3	51-9199	Production	1
49-3023	Construction	3	52-7062	Production	1
49-3031	Construction	3	53-1031	Production	1
49-3093	Construction	3	53-1062	Production	1
49-9012	Construction	3	53-2022	Production	1
49-9021	Construction	3	53-3011	Production	1
49-9042	Construction	3	53-3021	Production	1
49-9051	Construction	3	53-3022	Production	1
49-9052	Construction	3	53-3031	Production	1
47-2021	Construction	5	53-3032	Production	1
47-2031	Construction	5	53-3033	Production	1
47-2041	Construction	5	53-3041	Production	1
47-2042	Construction	5	53-3099	Production	1
47-2044	Construction	5	53-4011	Production	1
47-2051	Construction	5	53-4021	Production	1
47-2061	Construction	5	53-4033	Production	1
47-2071	Construction	5	51-9031	Production	5
47-2081	Construction	5	53-7063	Production	5
47-2151	Construction	5	53-7081	Production	5
53-6031	Production	1	53-4099	Production	1
53-6041	Production	1	53-5081	Production	1
53-6051	Production	1	53-6021	Production	1
53-7021	Production	1	53-7121	Production	5
53-7051	Production	1	55-1000	Military	1
53-7062	Production	1	55-2000	Military	1
53-7064	Production	1	55-4000	Military	1
53-7199	Production	1	57-1000	Sick	1
51-2011	Production	3	58-1000	Unemployed	1

51-2022	Production	3	58-2000	Unemployed	1
51-2031	Production	3	39-9021	Homemaker	1
51-3011	Production	3	60-1000	Retired	1
51-3021	Production	3	60-2000	Retired	1
51-3022	Production	3	61-1000	Student	1
51-3023	Production	3			
51-3092	Production	3			
51-4022	Production	3			
51-4031	Production	3			
51-4041	Production	3			
51-4072	Production	3			
51-4111	Production	3			
51-4121	Production	3			
51-4122	Production	3			
51-4193	Production	3			
51-6011	Production	3			
51-6021	Production	3			
51-6031	Production	3			
51-6042	Production	3			
51-6093	Production	3			
51-7021	Production	3			
51-7041	Production	3			
51-9012	Production	3			
51-9023	Production	3			
51-9032	Production	3			
51-9041	Production	3			
51-9111	Production	3			
51-9121	Production	3			
51-9122	Production	3			
53-7061	Production	3			
51-7011	Production	5			
51-9022	Production	5			