

図 1 1 性・年齢階級別、クレアチニン値の年次推移

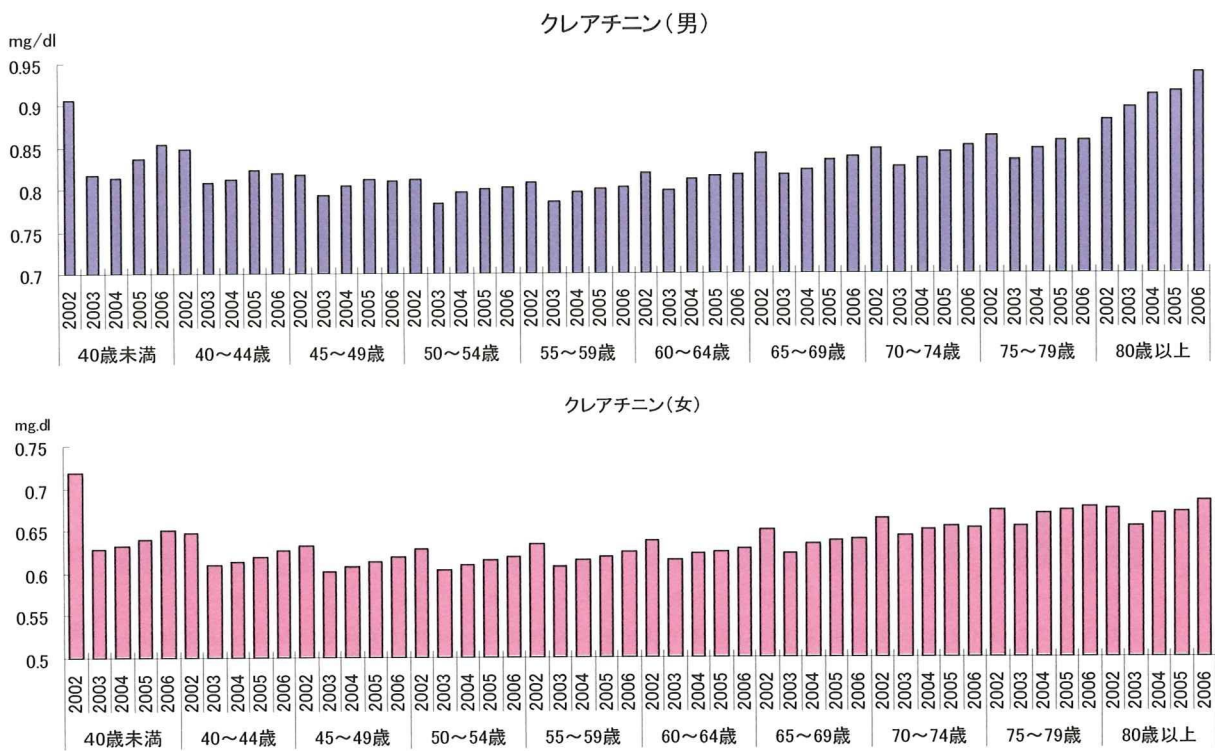


図 1 2 - 1 BMI <25 の年齢階級別リスク集積状況の男女比較

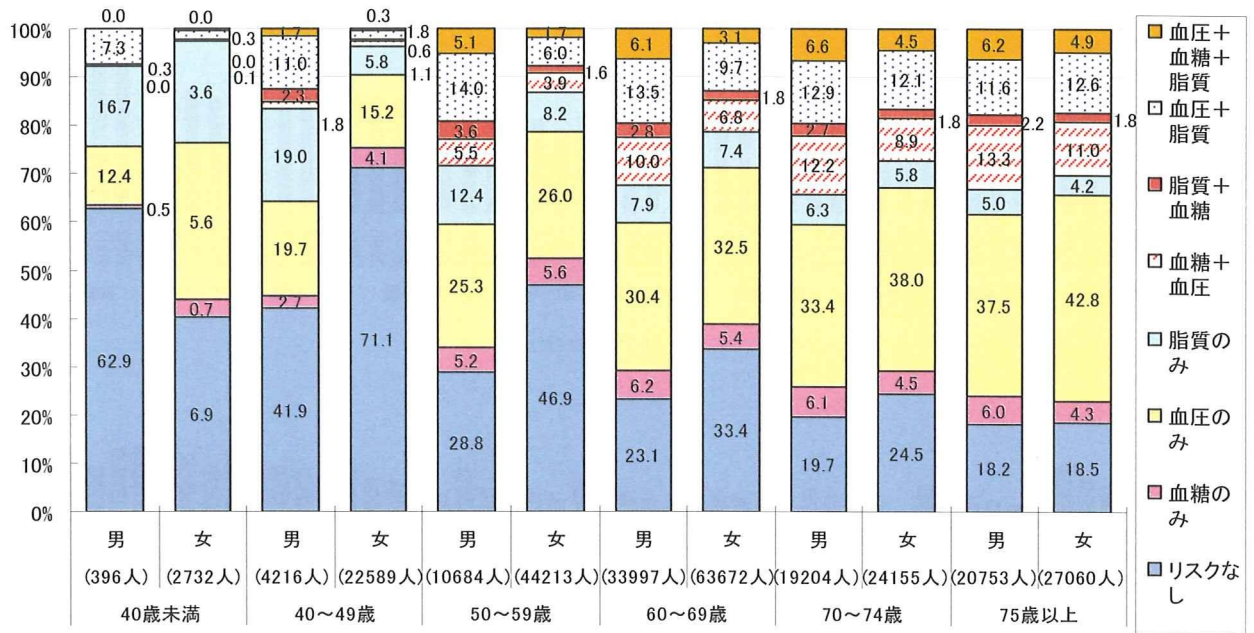


図 1 2 - 2 BMI ≥25 の年齢階級別リスク集積状況の男女比較

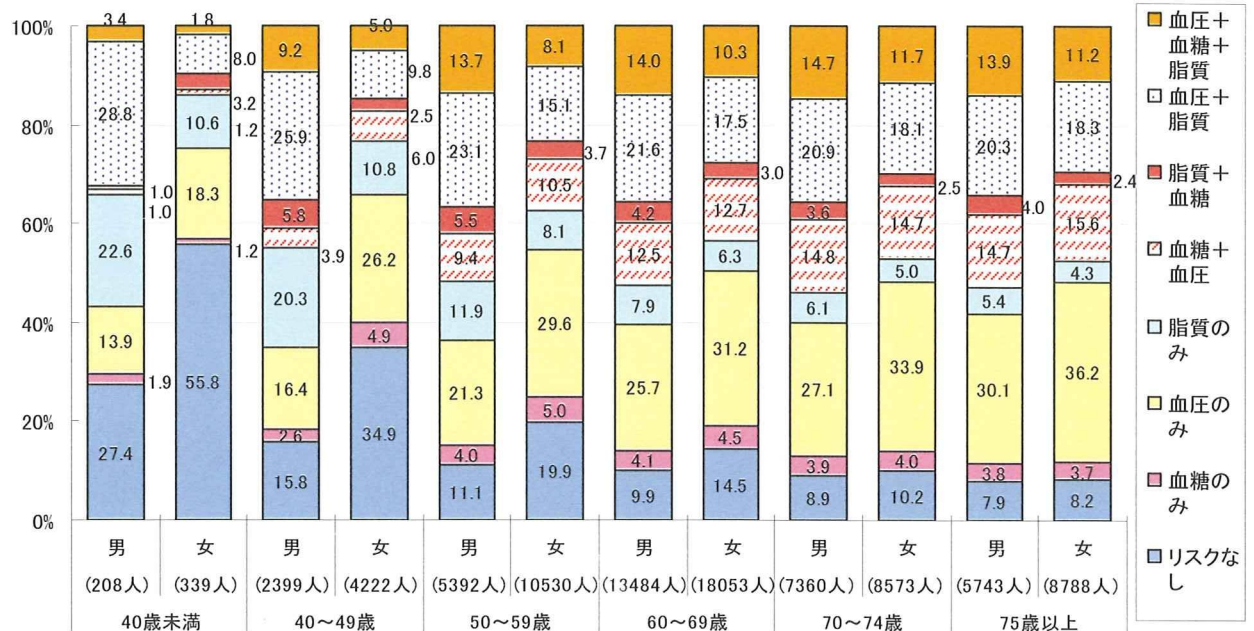


表5-1 性・年齢階級別の5年間のBMIの推移(男性)

男	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果		トレンド 有意確率	へアごとの比較
					下限	上限	有意確率	有意確率		
40歳未満	2002	72	24.06	3.65	23.20	24.91	0.956	0.995		
	2003	72	24.12	3.53	23.29	24.95				
	2004	72	24.14	3.50	23.32	24.96				
	2005	72	24.06	3.47	23.25	24.88				
	2006	72	24.08	3.39	23.29	24.88				
40～44歳	2002	285	23.95	3.17	23.58	24.32	0.153	0.695		
	2003	285	24.00	3.20	23.63	24.38				
	2004	285	23.90	3.21	23.52	24.27				
	2005	285	24.04	3.25	23.66	24.42				
	2006	285	23.97	3.30	23.58	24.35				
45～49歳	2002	451	23.71	2.79	23.45	23.97	0.255	0.360		
	2003	451	23.76	2.85	23.50	24.02				
	2004	451	23.72	2.85	23.45	23.98				
	2005	451	23.79	2.82	23.53	24.05				
	2006	451	23.75	2.78	23.49	24.00				
50～54歳	2002	667	23.62	2.67	23.42	23.82	0.006	0.872	***03、*05	
	2003	667	23.72	2.68	23.51	23.92			***02、***04、*05	
	2004	667	23.63	2.72	23.43	23.84			***03、*05	
	2005	667	23.70	2.72	23.49	23.91			*02、*04、**06	
	2006	667	23.62	2.68	23.42	23.82			*03、**05	
55～59歳	2002	602	23.50	2.69	23.29	23.72	0.016	0.470	**03	
	2003	602	23.59	2.70	23.38	23.81			**02、***04、*06	
	2004	602	23.48	2.72	23.26	23.70			***03	
	2005	602	23.53	2.74	23.31	23.75				
	2006	602	23.50	2.73	23.28	23.71			*03	
60～64歳	2002	950	23.31	2.70	23.14	23.48	0.000	0.003	**02,*06	
	2003	950	23.39	2.69	23.22	23.56			**02,***04,***05,***06	
	2004	950	23.29	2.69	23.12	23.46			***03,*06	
	2005	950	23.27	2.69	23.10	23.44			***03	
	2006	950	23.23	2.70	23.06	23.40			*02,***03,*04	
65～69歳	2002	1,034	23.18	2.85	23.00	23.35	0.000	0.027	*03	
	2003	1,034	23.28	2.81	23.11	23.45			***02,***04,**05,***06	
	2004	1,034	23.19	2.88	23.02	23.37			***03,*06	
	2005	1,034	23.20	2.85	23.02	23.37			***03,**06	
	2006	1,034	23.12	2.82	22.95	23.29			***03,*04,**05	
70～74歳	2002	730	22.62	2.91	22.41	22.83	0.000	0.001	*03,**06	
	2003	730	22.68	2.92	22.47	22.90			*02,***04,*05,**06	
	2004	730	22.58	2.96	22.37	22.80			***03,**06	
	2005	730	22.61	2.95	22.40	22.82			*03,***06	
	2006	730	22.48	2.97	22.26	22.70			**02,***03,**04,***05	
75～79歳	2002	336	22.31	2.75	22.01	22.60	0.000	0.000	*04,***05,***06	
	2003	336	22.53	3.70	22.13	22.92			*03,**05,***06	
	2004	336	22.19	2.73	21.90	22.48			*02,*03,*05,**06	
	2005	336	22.09	2.74	21.80	22.39			***02,**03,*04	
	2006	336	22.01	2.71	21.72	22.30			***02,***03,**04	
80歳以上	2002	115	21.76	2.51	21.29	22.22	0.000	0.000	*03,*04,*05,**06	
	2003	115	21.75	2.46	21.29	22.20			**04,*05,**06	
	2004	115	21.55	2.37	21.12	21.99			*02,**03,**06	
	2005	115	21.49	2.58	21.02	21.97			*02,*03,*06	
	2006	115	21.29	2.57	20.82	21.77			**02,***03,**04,*05	

表5-2 性・年齢階級別の5年間のBMIの推移(女性)

女	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果	トレンド	ペアごとの比較
					下限	上限	有意確率	有意確率	
40歳未満	2002	414	20.75	2.93	20.47	21.03	0.002	0.053	***04, **05
	2003	414	20.80	2.99	20.51	21.09			***04, *05
	2004	414	20.95	3.01	20.66	21.24			***02, ***03
	2005	414	20.94	3.06	20.64	21.23			**02, *03, *06
	2006	414	20.85	3.07	20.56	21.15			*05
40～44歳	2002	1,446	21.85	3.14	21.68	22.01	0.000	0.000	***03, ***04, ***05, ***06
	2003	1,446	22.02	3.18	21.86	22.19			***02, *04, ***05
	2004	1,446	22.06	3.19	21.90	22.23			***02, *03, **05
	2005	1,446	22.13	3.15	21.97	22.29			***02, ***03, **04, **06
	2006	1,446	22.07	3.20	21.91	22.24			***02, **06
45～49歳	2002	1,734	22.08	2.98	21.94	22.22	0.000	0.041	***03, ***04, ***05, *06
	2003	1,734	22.21	2.96	22.07	22.35			***02, *06
	2004	1,734	22.23	2.96	22.09	22.37			***02, **06
	2005	1,734	22.24	2.99	22.10	22.38			***02, ***06
	2006	1,734	22.15	3.01	22.01	22.29			*02, *03, **04, ***05
50～54歳	2002	2,442	22.34	2.88	22.23	22.46	0.000	0.000	*03, ***05
	2003	2,442	22.43	2.90	22.31	22.54			***02, ***04, ***05, ***06
	2004	2,442	22.35	2.94	22.23	22.47			***03, ***06
	2005	2,442	22.33	2.97	22.21	22.44			***03, ***06
	2006	2,442	22.24	3.00	22.12	22.36			***02, ***03, ***04, ***05
55～59歳	2002	2,174	22.43	2.92	22.30	22.55	0.000	0.002	***03, *06
	2003	2,174	22.51	2.90	22.39	22.63			***02, ***04, ***05, ***06
	2004	2,174	22.45	2.93	22.33	22.57			***03, ***06
	2005	2,174	22.44	2.93	22.32	22.56			***03, ***06
	2006	2,174	22.37	2.95	22.24	22.49			*02, ***03, ***04, ***05
60～64歳	2002	1,950	22.68	2.86	22.55	22.80	0.000	0.001	***03, *06
	2003	1,950	22.78	2.90	22.65	22.91			***02, ***04, ***05, ***06
	2004	1,950	22.70	2.90	22.57	22.83			***03, ***06
	2005	1,950	22.70	2.97	22.57	22.83			***03, ***06
	2006	1,950	22.61	2.99	22.48	22.74			*02, ***03, ***04, ***05
65～69歳	2002	1,566	22.60	3.02	22.45	22.75	0.000	0.150	***03, *05
	2003	1,566	22.72	3.00	22.57	22.87			***02, ***04, *05, ***06
	2004	1,566	22.64	3.00	22.49	22.79			***03, *06
	2005	1,566	22.67	3.07	22.52	22.82			*02, *03, ***06
	2006	1,566	22.58	3.06	22.42	22.73			***03, *04, ***05
70～74歳	2002	903	22.60	3.01	22.40	22.79	0.000	0.000	*03, *04, ***05, ***06
	2003	903	22.66	3.00	22.47	22.86			*02, ***04, ***05, ***06
	2004	903	22.52	2.99	22.33	22.72			*02, ***03, **05, **06
	2005	903	22.46	3.04	22.26	22.66			***02, ***03, **04
	2006	903	22.42	3.06	22.22	22.62			***02, ***03, **04
75～79歳	2002	391	22.39	3.21	22.07	22.71	0.000	0.000	*04, **05, ***06
	2003	391	22.39	3.27	22.06	22.72			**04, ***05, ***06
	2004	391	22.25	3.24	21.93	22.58			*02, *03, ***06
	2005	391	22.18	3.22	21.86	22.50			**02, ***03, *06
	2006	391	22.06	3.28	21.73	22.39			***02, ***03, ***04, *05
80歳以上	2002	109	21.84	3.06	21.25	22.42	0.007	0.009	*04, **06
	2003	109	21.72	3.03	21.15	22.30			**06
	2004	109	21.53	2.92	20.98	22.09			*02
	2005	109	21.65	2.84	21.12	22.19			**06
	2006	109	21.37	2.86	20.83	21.92			**02, **03, **05

表6-1 性・年齢階級別の5年間の収縮期血圧の推移(男性)

男	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果		トレンド	へアごとの比較
					下限	上限	有意確率	有意確率		
40歳未満	2002	72	124.5	12.3	121.6	127.4	0.000	0.005	*04, **06	
	2003	72	123.0	12.6	120.1	126.0			**06	
	2004	72	122.0	14.0	118.7	125.3			*02, ***06	
	2005	72	124.2	13.8	120.9	127.4			*06	
	2006	72	128.0	14.7	124.6	131.5			**02, **03, ***04, *05	
40~44歳	2002	285	123.4	13.9	121.7	125.0	0.006	0.006	**05, *06	
	2003	285	124.4	13.2	122.9	126.0			*05	
	2004	285	124.1	13.2	122.6	125.6			**05	
	2005	285	125.9	14.0	124.3	127.6			**02, *03, **04	
	2006	285	125.1	15.0	123.4	126.9			*02	
45~49歳	2002	452	123.7	14.2	122.3	125.0	0.000	0.000	**03, ***05, ***06	
	2003	452	125.3	14.3	123.9	126.6			**02	
	2004	452	124.4	14.6	123.1	125.8			**05, **06	
	2005	452	126.1	16.1	124.6	127.6			***02, **04	
	2006	452	126.2	15.9	124.8	127.7			***02, **04	
50~54歳	2002	667	126.1	14.3	125.0	127.2	0.000	0.000	*03, ***05, ***06	
	2003	667	127.3	15.3	126.1	128.5			*02, *05	
	2004	667	126.7	14.8	125.6	127.8			***05, **06	
	2005	667	128.3	15.2	127.1	129.5			***02, *03, ***04	
	2006	667	128.3	15.1	127.1	129.4			***02, **04	
55~59歳	2002	602	127.7	14.6	126.6	128.9	0.000	0.000	***05, ***06	
	2003	602	127.7	15.2	126.5	128.9			***05, ***06	
	2004	602	127.8	16.3	126.5	129.1			***05, ***06	
	2005	602	129.6	16.2	128.3	130.9			***02, ***03, ***04	
	2006	602	130.3	16.2	129.0	131.6			***02, ***03, ***04	
60~64歳	2002	951	128.9	15.3	127.9	129.8	0.000	0.000	***03, ***05, ***06	
	2003	951	130.4	15.4	129.4	131.4			***02, **04, ***06	
	2004	951	129.2	15.9	128.2	130.2			**03, ***05, ***06	
	2005	951	131.3	16.2	130.2	132.3			***02, ***04	
	2006	951	132.1	16.6	131.0	133.1			***02, ***03, ***04	
65~69歳	2002	1,035	130.5	15.0	129.5	131.4	0.000	0.000	***03, ***05, ***06	
	2003	1,035	132.2	15.6	131.3	133.2			***02, **04	
	2004	1,035	131.1	15.3	130.1	132.0			***03, ***05, ***06	
	2005	1,035	132.9	15.5	131.9	133.8			***02, ***04	
	2006	1,035	133.0	16.0	132.0	134.0			***02, ***04	
70~74歳	2002	731	131.6	15.7	130.5	132.8	0.000	0.010	**03, ***05, *06	
	2003	731	133.2	16.3	132.1	134.4			**02, **04	
	2004	731	131.8	16.5	130.6	133.0			**03, ***05, *06	
	2005	731	133.9	16.1	132.7	135.1			***02, ***04	
	2006	731	133.0	17.1	131.8	134.3			*02, *04	
75~79歳	2002	342	133.4	16.9	131.6	135.2	0.039	0.118	**03, *05, *06	
	2003	342	135.8	18.0	133.8	137.7			**02	
	2004	342	134.3	16.4	132.5	136.0				
	2005	342	135.2	16.4	133.4	136.9			**02	
	2006	342	135.3	18.0	133.4	137.2			**02	
80歳以上	2002	118	138.7	15.5	135.9	141.5	0.309	0.191		
	2003	118	139.9	15.0	137.2	142.6				
	2004	118	137.3	15.4	134.5	140.0				
	2005	118	138.3	14.5	135.6	140.9				
	2006	118	137.2	14.9	134.5	140.0				

表6-2 性・年齢階級別の5年間の収縮期血圧の推移(女性)

女	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果		トレンド	ペアごとの比較
					下限	上限	有意確率	有意確率		
40歳未満	2002	414	108.8	11.2	107.7	109.9	0.000	0.000	***05, *06	
	2003	414	109.4	11.1	108.4	110.5			***05	
	2004	414	109.0	12.3	107.8	110.2			***05, *06	
	2005	414	112.4	13.1	111.1	113.7			***02, ***03, ***04, ***06	
	2006	414	110.3	14.1	108.9	111.7			*02, *04, ***05	
40～44歳	2002	1,447	114.8	13.7	114.1	115.5	0.000	0.000	***03, **04, ***05, ***06	
	2003	1,447	115.6	14.0	114.9	116.4			**02, ***05, ***06	
	2004	1,447	115.6	14.6	114.8	116.3			**02, ***05, ***06	
	2005	1,447	117.5	14.8	116.8	118.3			***02, ***03, ***04	
	2006	1,447	117.5	15.8	116.7	118.3			***02, ***03, ***04	
45～49歳	2002	1,734	118.3	14.3	117.7	119.0	0.000	0.000	***03, *04, ***05, ***06	
	2003	1,734	119.3	14.7	118.6	120.0			**02, ***05, ***06	
	2004	1,734	119.0	15.2	118.3	119.7			*02, ***05, ***06	
	2005	1,734	121.7	14.9	121.0	122.4			***02, ***03, ***04	
	2006	1,734	121.5	16.4	120.7	122.2			***02, ***03, ***04	
50～54歳	2002	2,442	120.4	14.7	119.8	121.0	0.000	0.000	***03, *04, ***05, ***06	
	2003	2,442	121.5	15.0	120.9	122.1			***02, ***05, ***06	
	2004	2,442	121.0	15.1	120.4	121.6			*02, ***05, ***06	
	2005	2,442	122.9	15.6	122.3	123.5			***02, ***03, ***04	
	2006	2,442	122.6	16.6	121.9	123.2			***02, ***03, ***04	
55～59歳	2002	2,176	123.1	15.7	122.4	123.8	0.000	0.000	***03, ***05, ***06	
	2003	2,176	124.1	15.7	123.4	124.8			***02, *04, ***05, ***06	
	2004	2,176	123.5	15.8	122.8	124.1			*03, ***05, ***06	
	2005	2,176	125.8	16.3	125.1	126.5			***02, ***03, ***04	
	2006	2,176	126.0	16.7	125.3	126.7			***02, ***03, ***04	
60～64歳	2002	1,953	124.9	15.6	124.2	125.5	0.000	0.000	***03, **04, ***05, ***06	
	2003	1,953	126.6	15.8	125.9	127.3			***02, **04, **05, ***06	
	2004	1,953	125.7	16.1	125.0	126.4			**02, **03, ***05, ***06	
	2005	1,953	127.7	16.4	127.0	128.4			***02, **03, ***04	
	2006	1,953	127.8	17.0	127.1	128.6			***02, ***03, ***04	
65～69歳	2002	1,578	127.5	15.6	126.7	128.3	0.000	0.000	***03, ***04, ***05, ***06	
	2003	1,578	129.2	16.1	128.4	130.0			***02, ***05, ***06	
	2004	1,578	128.9	16.3	128.1	129.7			***02, ***05, ***06	
	2005	1,578	130.6	16.5	129.8	131.4			***02, ***03, ***04	
	2006	1,578	131.2	16.7	130.4	132.0			***02, ***03, ***04	
70～74歳	2002	920	130.7	15.4	129.7	131.7	0.000	0.000	***03, *04, ***05, ***06	
	2003	920	132.1	15.7	131.1	133.1			**02, **05, **06	
	2004	920	131.8	16.4	130.8	132.9			*02, ***05, ***06	
	2005	920	133.7	16.2	132.6	134.7			***02, **03, ***04	
	2006	920	133.8	17.1	132.7	134.9			***02, **03, ***04	
75～79歳	2002	410	133.3	15.7	131.8	134.8	0.000	0.000	*03, *04, ***05, ***06	
	2003	410	134.8	15.9	133.3	136.4			*02, ***05, ***06	
	2004	410	134.8	16.1	133.3	136.4			*02, ***05, ***06	
	2005	410	137.7	16.1	136.1	139.2			***02, ***03, ***04	
	2006	410	138.1	18.6	136.3	139.9			***02, ***03, ***04	
80歳以上	2002	124	134.3	15.6	131.5	137.1	0.018	0.085	*05, *06	
	2003	124	135.6	15.0	133.0	138.3				
	2004	124	136.8	16.3	133.9	139.7				
	2005	124	138.0	15.7	135.2	140.8			*02	
	2006	124	137.7	19.4	134.3	141.2			*02	

表 7-1 性・年齢階級別の 5 年間の拡張期血圧の推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果	トレンド	ペアごとの比較
					下限	上限	有意確率		
40 歳未満	2002	72	75.1	10.6	72.7	77.6	0.088	0.033	
	2003	72	74.7	9.8	72.4	77.0			
	2004	72	73.4	9.9	71.1	75.8			
	2005	72	76.3	10.0	73.9	78.6			
	2006	72	76.4	10.7	73.9	78.9			
40～44 歳	2002	285	76.9	9.5	75.8	78.0	0.007	0.013	***05
	2003	285	77.4	9.6	76.3	78.5			***05
	2004	285	77.8	9.7	76.7	78.9			*05
	2005	285	78.9	10.5	77.7	80.1			***02, **03, *04
	2006	285	77.9	10.9	76.6	79.2			
45～49 歳	2002	452	76.8	9.7	75.9	77.7	0.000	0.000	***05, ***06
	2003	452	77.5	10.2	76.6	78.4			**05, **06
	2004	452	77.4	10.0	76.5	78.4			**05, ***06
	2005	452	78.9	11.3	77.8	79.9			***02, **03, **04
	2006	452	79.0	11.0	78.0	80.1			***02, **03, **04
50～54 歳	2002	667	78.1	10.1	77.3	78.9	0.000	0.000	*03, **05, ***06
	2003	667	78.9	10.8	78.1	79.7			*02, *06
	2004	667	78.7	10.7	77.8	79.5			**06
	2005	667	79.3	10.3	78.5	80.1			**02
	2006	667	79.7	10.4	78.9	80.5			***02, *03, **04
55～59 歳	2002	602	78.6	10.0	77.8	79.4	0.008	0.028	*06
	2003	602	79.0	10.0	78.2	79.8			
	2004	602	78.3	10.1	77.5	79.1			*05, ***06
	2005	602	79.0	9.4	78.2	79.7			*04
	2006	602	79.6	10.0	78.8	80.4			*02, ***04
60～64 歳	2002	951	78.2	9.9	77.5	78.8	0.000	0.000	*04, *05, **06
	2003	951	78.2	10.0	77.6	78.9			*04, **06
	2004	951	77.5	10.0	76.8	78.1			*02, *03, ***05, ***06
	2005	951	78.8	9.8	78.2	79.4			*02, ***04
	2006	951	79.3	10.5	78.6	80.0			**02, **03, ***04
65～69 歳	2002	1,034	78.1	9.3	77.5	78.6	0.004	0.944	*04
	2003	1,034	78.4	9.7	77.8	79.0			**04, *05
	2004	1,034	77.5	9.3	76.9	78.0			*02, **03, **06
	2005	1,034	77.8	9.6	77.2	78.4			*06
	2006	1,034	78.4	9.6	77.8	79.0			**04, *05
70～74 歳	2002	731	76.5	9.5	75.9	77.2	0.000	0.513	*03, *04
	2003	731	77.4	10.2	76.7	78.1			*02, ***04
	2004	731	75.7	9.7	75.0	76.4			*02, ***03, ***05, ***06
	2005	731	77.1	9.7	76.4	77.8			***04
	2006	731	77.0	9.6	76.3	77.7			***04
75～79 歳	2002	342	76.3	10.1	75.2	77.4	0.422	0.139	
	2003	342	76.6	10.0	75.5	77.6			
	2004	342	75.8	9.8	74.7	76.8			
	2005	342	75.8	9.7	74.7	76.8			
	2006	342	75.8	10.8	74.6	76.9			
80 歳以上	2002	118	75.2	8.7	73.6	76.8	0.018	0.221	**03
	2003	118	77.3	8.6	75.7	78.8			**02, ***04, *05, **06
	2004	118	74.3	8.9	72.7	76.0			***03
	2005	118	75.0	9.8	73.2	76.8			**03
	2006	118	74.9	10.1	73.1	76.8			*03

表 7-2 性・年齢階級別の 5 年間の拡張期血圧の推移(女性)

女	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド 有意確率	へアごとの比較
					下限	上限	有意確率	有意確率		
40 歳未満	2002	414	66.7	8.7	65.9	67.6	0.000	0.007	***04, **05, ***06	
	2003	414	67.0	8.7	66.1	67.8			***04, **05, ***06	
	2004	414	65.1	9.0	64.2	66.0			***02, ***03, ***05	
	2005	414	68.2	9.4	67.3	69.1			**02, **03	
	2006	414	64.7	9.2	63.8	65.6			**02, **03, ***04, ***06	
40~44 歳	2002	1,447	70.4	9.8	69.9	70.9	0.000	0.075	*04, *05	
	2003	1,447	70.7	9.7	70.2	71.2			***04	
	2004	1,447	69.8	10.1	69.2	70.3			*02, ***03, ***05, ***06	
	2005	1,447	71.0	10.1	70.5	71.5			*02, ***04	
	2006	1,447	70.8	10.8	70.2	71.3			***04	
45~49 歳	2002	1,734	71.9	9.5	71.5	72.4	0.000	0.000	*03, ***05, ***06	
	2003	1,734	72.4	9.6	71.9	72.8			*02, **04, ***05, ***06	
	2004	1,734	71.6	10.2	71.2	72.1			*03, ***05, ***06	
	2005	1,734	73.7	9.7	73.3	74.2			***02, ***03, ***04, *06	
	2006	1,734	73.2	10.4	72.7	73.7			***02, ***03, ***04, *05	
50~54 歳	2002	2,442	73.4	9.7	73.0	73.8	0.000	0.000	***04, ***05, *06	
	2003	2,442	73.4	9.7	73.0	73.7			**04, ***05, *06	
	2004	2,442	72.8	9.6	72.4	73.1			***02, **03, ***05, ***06	
	2005	2,442	74.3	9.9	73.9	74.7			***02, ***03, ***04, **06	
	2006	2,442	73.8	10.2	73.4	74.2			*02, *03, ***04, **05	
55~59 歳	2002	2,176	74.2	9.7	73.8	74.7	0.000	0.008	**04, *05, *06	
	2003	2,176	74.5	9.8	74.1	74.9			***04	
	2004	2,176	73.7	9.7	73.2	74.1			**02, ***03, ***05, ***06	
	2005	2,176	74.7	9.9	74.2	75.1			*02, ***04	
	2006	2,176	74.8	9.8	74.3	75.2			*02, ***04	
60~64 歳	2002	1,953	74.4	9.6	74.0	74.9	0.000	0.093	*03, **04, *06	
	2003	1,953	74.9	9.6	74.4	75.3			*02, ***04	
	2004	1,953	73.8	9.7	73.4	74.3			**02, ***03, ***05, ***06	
	2005	1,953	74.7	9.7	74.3	75.2			***04	
	2006	1,953	74.9	9.8	74.5	75.3			*02, ***04	
65~69 歳	2002	1,578	74.5	9.4	74.0	74.9	0.000	0.002	**03, ***06	
	2003	1,578	75.3	9.4	74.8	75.7			**02, ***04	
	2004	1,578	74.3	9.6	73.8	74.7			***03, **05, ***06	
	2005	1,578	74.9	9.7	74.5	75.4			**04, *05, ***06	
	2006	1,578	75.5	9.6	75.0	75.9			***02, ***05, *06	
70~74 歳	2002	919	75.0	9.0	74.5	75.6	0.001	0.142	*04	
	2003	919	75.0	9.3	74.4	75.6			**04	
	2004	919	74.2	9.6	73.6	74.9			*02, **03, **05, ***06	
	2005	919	75.1	9.7	74.4	75.7			**04	
	2006	919	75.6	9.7	74.9	76.2			***04	
75~79 歳	2002	410	74.2	9.5	73.3	75.1	0.150	0.031		
	2003	410	74.8	10.0	73.9	75.8				
	2004	410	74.7	9.6	73.7	75.6				
	2005	410	75.2	9.8	74.3	76.2				
	2006	410	75.3	10.2	74.4	76.3				
80 歳以上	2002	123	73.3	8.9	71.8	74.9	0.275	0.804	*03	
	2003	123	75.0	9.2	73.4	76.6			*02	
	2004	123	74.1	9.8	72.4	75.9				
	2005	123	73.4	9.0	71.8	75.0				
	2006	123	74.4	10.6	72.5	76.3				

表 8 - 1 性・年齢階級別の 5 年間の総コレステロールの推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド	べアごとの比較
					下限	上限	有意確率	有意確率		
40 歳未満	2002	72	192.5	29.8	185.5	199.5	0.123	0.041	*06	
	2003	72	196.1	29.7	189.1	203.0				
	2004	72	195.2	31.1	187.9	202.5				
	2005	72	198.3	33.9	190.3	206.2				
	2006	72	199.1	34.6	191.0	207.3				*02
40～44 歳	2002	284	202.7	36.7	198.4	207.0	0.306	0.079		
	2003	284	203.5	34.6	199.4	207.5				
	2004	284	203.5	35.3	199.4	207.6				
	2005	284	205.3	35.5	201.1	209.4				
	2006	284	204.6	35.0	200.5	208.7				
45～49 歳	2002	451	199.4	33.6	196.3	202.5	0.000	0.000	*03, **04, ***05, ***06	
	2003	451	201.8	32.7	198.8	204.8			*02, *05, **06	
	2004	451	202.9	33.4	199.8	206.0			**02	
	2005	451	204.2	33.7	201.1	207.3			***02, *03	
	2006	451	204.8	33.2	201.7	207.8			***02, **03	
50～54 歳	2002	666	200.9	34.4	198.3	203.5	0.000	0.000	*04, ***05, ***06	
	2003	666	202.3	34.4	199.7	204.9			***05, ***06	
	2004	666	202.9	34.3	200.3	205.6			*02, **05, *06	
	2005	666	205.4	34.4	202.8	208.0			***02, ***03, **04	
	2006	666	205.5	34.2	202.9	208.1			***02, ***03, **04	
55～59 歳	2002	602	200.2	32.9	197.5	202.8	0.014	0.085		
	2003	602	201.9	31.7	199.4	204.4				
	2004	602	199.8	32.0	197.2	202.3				
	2005	602	201.5	31.9	199.0	204.1				
	2006	602	202.4	31.4	199.9	204.9				
60～64 歳	2002	950	197.3	31.9	195.3	199.4	0.002	0.002	*03, *05, ***06	
	2003	950	199.1	32.3	197.0	201.1			*02	
	2004	950	198.6	31.7	196.6	200.6			*06	
	2005	950	198.9	32.1	196.9	201.0			*02	
	2006	950	200.2	32.8	198.1	202.3			***02, *04	
65～69 歳	2002	1,032	193.6	32.5	191.6	195.6	0.005	0.003	*03, *05, **06	
	2003	1,032	195.2	32.3	193.2	197.2			*02	
	2004	1,032	194.7	32.8	192.7	196.7			*06	
	2005	1,032	195.3	32.2	193.3	197.2			*02	
	2006	1,032	196.0	32.6	194.0	198.0			**02, *04	
70～74 歳	2002	723	190.1	32.4	187.7	192.4	0.002	0.001	***06	
	2003	723	191.1	31.6	188.8	193.4			*06	
	2004	723	191.0	32.4	188.6	193.3			**06	
	2005	723	191.5	32.4	189.1	193.9			*06	
	2006	723	193.3	33.9	190.8	195.7			***02, *03, **04, *05	
75～79 歳	2002	340	186.4	29.1	183.3	189.5	0.216	0.523	*05	
	2003	340	188.0	29.9	184.8	191.2				
	2004	340	187.5	30.4	184.2	190.7				
	2005	340	185.7	30.4	182.4	188.9				
	2006	340	186.8	32.1	183.3	190.2				*03
80 歳以上	2002	114	189.3	31.4	183.4	195.1	0.827	0.704		
	2003	114	189.2	30.7	183.5	194.9				
	2004	114	189.6	29.9	184.1	195.2				
	2005	114	188.6	30.8	182.9	194.4				
	2006	114	190.7	31.1	184.9	196.5				

表 8 - 2 性・年齢階級別の 5 年間の総コレステロールの推移(女性)

女	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果	トレンド	ペアごとの比較
					下限	上限	有意確率	有意確率	
40 歳未満	2002	414	184.4	31.0	181.4	187.4	0.000	0.000	***03, ***04, ***05, ***06
	2003	414	188.0	31.9	185.0	191.1			***02, **06
	2004	414	189.0	29.8	186.1	191.9			***02, *06
	2005	414	188.3	29.9	185.4	191.2			***02, **06
	2006	414	191.3	32.1	188.2	194.4			***02, **03, *04, **05
40～44 歳	2002	1,445	189.5	30.0	187.9	191.0	0.000	0.000	***03, ***04, ***05, ***06
	2003	1,445	192.1	29.7	190.5	193.6			***02, **04, ***05, ***06
	2004	1,445	193.7	30.2	192.1	195.3			***02, **03, ***05, ***06
	2005	1,445	195.5	30.8	193.9	197.1			***02, ***03, ***04, ***06
	2006	1,445	198.9	30.8	197.3	200.5			***02, ***03, ***04, ***05
45～49 歳	2002	1,731	197.9	30.8	196.5	199.4	0.000	0.000	***03, ***04, ***05, ***06
	2003	1,731	200.6	31.0	199.1	202.1			***02, ***04, ***05, ***06
	2004	1,731	204.8	31.6	203.3	206.3			***02, ***03, ***05, ***06
	2005	1,731	209.2	32.0	207.7	210.7			***02, ***03, ***04, ***06
	2006	1,731	213.6	33.1	212.0	215.1			***02, ***03, ***04, ***05
50～54 歳	2002	2,436	209.9	32.8	208.6	211.2	0.000	0.000	***03, ***04, ***05, ***06
	2003	2,436	213.6	31.9	212.4	214.9			***02, ***04, ***05, ***06
	2004	2,436	215.1	31.8	213.8	216.3			***02, ***03, ***05, ***06
	2005	2,436	218.0	31.7	216.8	219.3			***02, ***03, ***04, ***06
	2006	2,436	220.2	32.2	218.9	221.5			***02, ***03, ***04, ***05
55～59 歳	2002	2,171	216.6	30.9	215.3	217.9	0.000	0.000	**03, **04, ***05, ***06
	2003	2,171	217.8	30.7	216.5	219.1			**02, ***05, ***06
	2004	2,171	218.1	31.0	216.8	219.4			***02, ***05, ***06
	2005	2,171	220.5	31.8	219.1	221.8			***02, ***03, ***04
	2006	2,171	221.0	32.2	219.6	222.3			***02, ***03, ***04
60～64 歳	2002	1,947	216.2	31.1	214.8	217.6	0.000	0.000	**03, *05, ***06
	2003	1,947	217.6	31.0	216.2	219.0			**02, **06
	2004	1,947	217.0	31.5	215.6	218.4			***06
	2005	1,947	217.6	30.9	216.2	219.0			*02, **06
	2006	1,947	219.3	32.1	217.9	220.7			***02, **03, ***04, **06
65～69 歳	2002	1,572	211.6	30.1	210.1	213.1	0.000	0.000	**03, **04, ***05, ***06
	2003	1,572	213.0	30.4	211.5	214.5			**02, *06
	2004	1,572	213.2	30.2	211.7	214.7			**02
	2005	1,572	213.6	29.8	212.1	215.0			**02
	2006	1,572	214.3	31.0	212.8	215.8			***02, *03
70～74 歳	2002	910	211.1	28.9	209.2	213.0	0.110	0.637	**03
	2003	910	213.0	29.4	211.1	214.9			**02, *04
	2004	910	211.4	29.0	209.5	213.3			**03
	2005	910	211.7	28.1	209.9	213.5			
	2006	910	212.2	29.3	210.3	214.1			
75～79 歳	2002	408	205.8	31.6	202.8	208.9	0.160	0.351	*03
	2003	408	208.0	30.3	205.0	210.9			*02
	2004	408	206.2	29.6	203.3	209.1			***03
	2005	408	207.8	29.5	204.9	210.6			
	2006	408	207.2	30.5	204.3	210.2			
80 歳以上	2002	122	211.9	35.1	205.6	218.2	0.822	0.384	
	2003	122	211.5	31.6	205.8	217.2			
	2004	122	210.0	34.9	203.7	216.2			
	2005	122	209.9	31.5	204.3	215.6			
	2006	122	210.3	33.2	204.4	216.3			

表 9 - 1 性・年齢階級別の 5 年間の中性脂肪の推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド	べアごとの比較
					下限	上限	有意確率	有意確率		
40 歳未満	2002	72	155.6	119.6	127.5	183.7	0.368	0.572		
	2003	72	146.1	89.7	125.0	167.2				
	2004	72	154.6	152.8	118.7	190.5				
	2005	72	173.0	155.6	136.5	209.6				
	2006	72	152.5	112.2	126.1	178.8				
40～44 歳	2002	284	181.0	154.9	162.9	199.1	0.450	0.976	*05 *04	
	2003	284	179.1	151.8	161.4	196.8				
	2004	284	170.5	124.8	156.0	185.1				
	2005	284	184.8	154.2	166.8	202.8				
	2006	284	177.8	155.0	159.7	195.9				
45～49 歳	2002	451	164.2	110.1	154.0	174.4	0.177	0.727	*04 *03	
	2003	451	171.2	115.1	160.6	181.9				
	2004	451	160.7	106.4	150.8	170.5				
	2005	451	168.6	115.9	157.9	179.4				
	2006	451	163.7	114.7	153.1	174.3				
50～54 歳	2002	666	159.6	107.0	151.4	167.7	0.114	0.497	*06 *05	
	2003	666	156.6	95.1	149.4	163.9				
	2004	666	157.5	99.3	149.9	165.0				
	2005	666	163.2	112.8	154.6	171.8				
	2006	666	153.2	93.9	146.0	160.3				
55～59 歳	2002	602	153.1	95.5	145.5	160.7	0.018	0.002	**06 **06 *06 **02, **03, *04	
	2003	602	152.3	96.6	144.5	160.0				
	2004	602	150.2	100.2	142.2	158.3				
	2005	602	145.7	92.6	138.2	153.1				
	2006	602	142.9	86.1	136.0	149.8				
60～64 歳	2002	950	143.8	84.6	138.4	149.2	0.000	0.000	**05, ***06 **05, **06 *05, **06 **02, **03, *04 ***02, **03, **04	
	2003	950	142.5	82.8	137.2	147.8				
	2004	950	141.2	78.2	136.2	146.1				
	2005	950	135.4	78.0	130.4	140.4				
	2006	950	133.3	78.4	128.3	138.3				
65～69 歳	2002	1,032	139.5	108.0	132.9	146.1	0.162	0.030	*06 *02	
	2003	1,032	137.1	81.9	132.1	142.1				
	2004	1,032	136.4	87.3	131.1	141.8				
	2005	1,032	135.2	82.3	130.2	140.2				
	2006	1,032	133.2	83.8	128.1	138.4				
70～74 歳	2002	723	129.9	79.5	124.1	135.7	0.003	0.006	*04, ***06 *06 *02 **06 ***02, *03, **05	
	2003	723	125.7	70.7	120.6	130.9				
	2004	723	124.1	70.4	118.9	129.2				
	2005	723	127.4	80.6	121.5	133.3				
	2006	723	120.3	64.9	115.6	125.0				
75～79 歳	2002	340	122.6	68.1	115.3	129.9	0.000	0.000	***06 ***06 **05 **05 ***02, ***03, **04, **05	
	2003	340	125.9	70.6	118.3	133.4				
	2004	340	121.2	68.5	113.9	128.5				
	2005	340	120.4	67.0	113.3	127.6				
	2006	340	110.9	59.2	104.6	117.2				
80 歳以上	2002	114	109.7	52.4	100.0	119.4	0.552	0.186		
	2003	114	108.8	55.3	98.6	119.1				
	2004	114	104.8	53.3	94.9	114.7				
	2005	114	104.4	59.0	93.4	115.3				
	2006	114	104.5	55.6	94.2	114.8				

表 9 - 2 性・年齢階級別の 5 年間の中性脂肪の推移(女性)

女	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果	トレンド 有意確率	ペアごとの比較
					下限	上限	有意確率		
40 歳未満	2002	414	77.6	44.9	73.3	82.0	0.157	0.937	
	2003	414	77.6	43.3	73.5	81.8			
	2004	414	80.0	43.5	75.8	84.2			*06
	2005	414	80.7	50.5	75.8	85.6			*06
	2006	414	75.9	40.8	71.9	79.8			*04, *05
40~44 歳	2002	1,445	90.8	54.0	88.1	93.6	0.004	0.001	*04, **05, *06
	2003	1,445	91.5	57.1	88.5	94.4			**05
	2004	1,445	93.8	59.4	90.8	96.9			*02
	2005	1,445	95.5	57.3	92.5	98.5			**02, **03
	2006	1,445	94.2	60.9	91.1	97.4			*02
45~49 歳	2002	1,731	98.0	56.2	95.3	100.6	0.000	0.000	**04, ***05, ***06
	2003	1,731	98.4	58.6	95.6	101.1			**04, ***05, ***06
	2004	1,731	102.3	58.2	99.6	105.1			**02, **03, *06
	2005	1,731	104.7	61.2	101.8	107.6			***02, ***03
	2006	1,731	105.6	60.9	102.7	108.4			***02, ***03, *04
50~54 歳	2002	2,436	114.1	70.2	111.3	116.9	0.144	0.237	
	2003	2,436	113.9	65.9	111.3	116.6			*05
	2004	2,436	116.0	66.7	113.3	118.6			
	2005	2,436	116.6	67.2	113.9	119.3			*03
	2006	2,436	114.6	66.8	111.9	117.2			
55~59 歳	2002	2,171	121.9	73.1	118.8	125.0	0.114	0.863	
	2003	2,171	119.9	73.2	116.8	122.9			*05
	2004	2,171	121.0	68.1	118.1	123.9			
	2005	2,171	123.1	71.3	120.1	126.1			*03, *06
	2006	2,171	119.9	67.7	117.1	122.8			*05
60~64 歳	2002	1,947	126.4	70.2	123.2	129.5	0.459	0.272	
	2003	1,947	126.3	69.9	123.2	129.4			
	2004	1,947	126.2	69.4	123.1	129.3			
	2005	1,947	126.7	70.3	123.6	129.8			
	2006	1,947	124.2	68.9	121.1	127.3			
65~69 歳	2002	1,572	127.9	71.7	124.4	131.5	0.062	0.310	*06
	2003	1,572	126.8	73.5	123.1	130.4			
	2004	1,572	127.4	69.1	124.0	130.8			
	2005	1,572	129.3	75.4	125.6	133.1			***06
	2006	1,572	124.7	68.6	121.3	128.1			*02, **06
70~74 歳	2002	910	126.3	65.1	122.0	130.5	0.001	0.034	**06
	2003	910	127.8	71.7	123.1	132.4			**06
	2004	910	127.6	67.8	123.2	132.0			**06
	2005	910	128.6	71.1	124.0	133.2			***06
	2006	910	121.0	63.0	116.9	125.1			**02, **03, **04, ***05
75~79 歳	2002	408	122.7	63.5	116.5	128.9	0.076	0.762	
	2003	408	122.4	60.1	116.5	128.2			
	2004	408	120.9	63.1	114.8	127.1			*05
	2005	408	127.4	72.5	120.4	134.5			*04, **06
	2006	408	119.0	63.8	112.8	125.2			**06
80 歳以上	2002	122	127.7	61.8	116.6	138.8	0.482	0.292	
	2003	122	123.1	66.8	111.1	135.1			
	2004	122	117.7	61.9	106.6	128.8			
	2005	122	122.1	58.6	111.6	132.6			
	2006	122	121.2	69.1	108.8	133.6			

表9-1 性・年齢階級別の5年間のHDLコレステロールの推移(男性)

男	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果	トレンド	べアごとの比較
					下限	上限	有意確率	有意確率	
40歳未満	2002	72	53.0	14.9	49.5	56.5	0.009	0.052	**03, **04, *05, **06
	2003	72	56.0	14.9	52.5	59.5			**02
	2004	72	55.5	15.4	51.9	59.1			**02
	2005	72	55.0	15.5	51.4	58.7			*02
	2006	72	55.7	15.4	52.1	59.3			**02
40～44歳	2002	284	54.3	13.8	52.7	55.9	0.102	0.781	**03
	2003	284	55.5	13.1	54.0	57.0			**02, *06
	2004	284	54.7	12.5	53.2	56.1			
	2005	284	54.8	13.0	53.3	56.3			
	2006	284	54.5	13.2	53.0	56.1			*03
45～49歳	2002	451	54.7	13.9	53.4	56.0	0.000	0.043	*03, *06
	2003	451	55.5	14.4	54.2	56.8			*03, ***04
	2004	451	54.3	14.1	53.0	55.6			***03, **04, ***05
	2005	451	55.3	15.0	53.9	56.7			**04
	2006	451	55.7	14.4	54.3	57.0			*02, ***04
50～54歳	2002	666	55.1	13.9	54.1	56.2	0.000	0.129	***03, **06
	2003	666	56.2	14.1	55.1	57.2			***02, ***04
	2004	666	54.8	13.8	53.7	55.8			***02, **05, ***06
	2005	666	55.6	13.9	54.5	56.6			**04
	2006	666	56.0	13.7	55.0	57.1			**02, ***04
55～59歳	2002	602	54.4	14.3	53.3	55.5	0.000	0.055	***03, *04, *05, **06
	2003	602	55.7	14.9	54.5	56.9			***02, ***04
	2004	602	53.7	14.3	52.6	54.9			*02, ***03, ***05, ***06
	2005	602	55.1	14.5	53.9	56.3			*02, ***04
	2006	602	55.5	14.4	54.3	56.6			**02, ***04
60～64歳	2002	950	54.0	13.9	53.1	54.9	0.000	0.002	***03, *04, **05, ***06
	2003	950	55.3	14.2	54.4	56.2			***02, ***04, *05
	2004	950	53.4	13.9	52.5	54.3			*02, ***03, ***05, ***06
	2005	950	54.8	14.5	53.9	55.7			**02, *03, ***04, *06
	2006	950	55.2	14.7	54.3	56.2			***02, ***04, *05
65～69歳	2002	1,032	53.6	14.6	52.7	54.5	0.000	0.022	***03, *04, *05, ***06
	2003	1,032	54.9	15.0	54.0	55.9			***02, ***04, **05
	2004	1,032	53.1	14.6	52.2	54.0			*02, ***03, ***5, ***06
	2005	1,032	54.2	14.4	53.3	55.0			*02, **03, ***04, **06
	2006	1,032	54.7	14.6	53.8	55.6			***02, ***04, **05
70～74歳	2002	723	54.1	14.2	53.1	55.2	0.000	0.113	***03, **04, **06
	2003	723	55.4	14.2	54.4	56.5			***02, ***04, ***05
	2004	723	53.3	14.1	52.3	54.4			**02, ***03, ***05, ***06
	2005	723	54.4	14.0	53.4	55.4			***03, ***04, ***06
	2006	723	55.3	14.4	54.2	56.3			**02, ***04, ***05
75～79歳	2002	340	54.4	13.3	53.0	55.8	0.044	0.230	*03, *06
	2003	340	55.1	13.0	53.7	56.5			*02, *04
	2004	340	54.3	12.8	53.0	55.7			*03, *06
	2005	340	54.5	13.7	53.1	56.0			
	2006	340	55.3	13.6	53.8	56.7			*02, *04
80歳以上	2002	114	55.7	14.8	52.9	58.4	0.257	0.675	
	2003	114	56.3	15.0	53.5	59.1			
	2004	114	55.1	14.8	52.4	57.9			
	2005	114	56.3	15.3	53.5	59.1			*06
	2006	114	55.3	14.2	52.6	57.9			*05

表9-2 性・年齢階級別の5年間のHDLコレステロールの推移(女性)

女	年度	人数	平均値	標準偏差	95% 信頼区間		被験者内効果		トレンド 有意確率	ペアごとの比較
					下限	上限	有意確率			
40歳未満	2002	414	63.8	12.7	62.6	65.0	0.000	0.000	***03, ***04, ***05, **06	
	2003	414	67.9	14.5	66.5	69.4			***02, ***06	
	2004	414	68.0	14.2	66.6	69.4			***02, **06	
	2005	414	68.0	14.7	66.6	69.5			***02, ***06	
	2006	414	69.5	14.5	68.1	70.9			***02, ***03, **04, ***05	
40～44歳	2002	1,445	65.1	14.3	64.3	65.8	0.000	0.000	***03, ***05, ***06	
	2003	1,445	66.6	14.9	65.8	67.4			***02, ***04, ***06	
	2004	1,445	65.1	14.6	64.3	65.8			***03, ***05, ***06	
	2005	1,445	66.4	14.5	65.7	67.2			***02, ***04, ***06	
	2006	1,445	67.6	14.8	66.8	68.3			***02, ***03, ***04, ***05	
45～49歳	2002	1,731	65.7	14.5	65.0	66.4	0.000	0.000	***03, ***05, ***06	
	2003	1,731	67.0	15.0	66.3	67.7			***02, ***04, ***06	
	2004	1,731	65.5	14.9	64.8	66.2			***03, ***05, ***06	
	2005	1,731	67.1	14.9	66.4	67.8			***02, ***04, ***06	
	2006	1,731	68.3	15.2	67.5	69.0			***02, ***03, ***04, ***05	
50～54歳	2002	2,436	64.9	15.2	64.3	65.5	0.000	0.000	***03, **04, ***05, ***06	
	2003	2,436	66.4	15.6	65.8	67.0			***02, ***04, **05	
	2004	2,436	64.3	15.1	63.7	64.9			**02, ***03, ***05, ***06	
	2005	2,436	65.9	15.4	65.2	66.5			***02, **03, ***04, ***06	
	2006	2,436	66.4	15.9	65.8	67.0			***02, ***04, ***05	
55～59歳	2002	2,171	63.7	15.1	63.1	64.4	0.000	0.005	***03, ***04	
	2003	2,171	64.6	15.2	63.9	65.2			***02, ***04, ***05, ***06	
	2004	2,171	62.3	14.7	61.7	62.9			***02, ***03, ***05, ***06	
	2005	2,171	63.7	15.1	63.0	64.3			***03, ***04	
	2006	2,171	63.6	15.0	62.9	64.2			***03, ***04	
60～64歳	2002	1,947	61.4	14.5	60.8	62.1	0.000	0.870	***03, ***04, *06	
	2003	1,947	62.4	14.7	61.7	63.0			***02, ***04, ***05, *06	
	2004	1,947	60.2	14.1	59.6	60.8			***02, ***03, ***05, ***06	
	2005	1,947	61.3	14.4	60.7	62.0			***03, ***04, ***06	
	2006	1,947	61.9	14.6	61.3	62.5			**02, *03, ***04, ***05	
65～69歳	2002	1,572	60.2	14.0	59.5	60.9	0.000	0.446	***03, **04, ***06	
	2003	1,572	61.6	14.2	60.9	62.3			***02, ***04, ***05, **06	
	2004	1,572	59.5	13.8	58.9	60.2			**02, ***03, ***05, ***06	
	2005	1,572	60.5	14.1	59.8	61.2			***03, ***04, *06	
	2006	1,572	60.9	14.0	60.2	61.6			***02, **03, ***04, *05	
70～74歳	2002	910	59.9	14.4	59.0	60.8	0.000	0.336	***03, **04, *06	
	2003	910	60.9	14.1	60.0	61.8			***02, ***04, ***05, ***06	
	2004	910	59.0	13.8	58.1	59.9			**02, ***03, ***05, ***06	
	2005	910	60.1	14.2	59.2	61.0			**03, ***04, *06	
	2006	910	60.6	14.5	59.7	61.6			*02, ***04, *05	
75～79歳	2002	408	59.5	16.3	57.9	61.1	0.000	0.641	***03	
	2003	408	61.0	15.9	59.5	62.6			***02, ***04, **05, *06	
	2004	408	59.4	15.3	57.9	60.9			***03	
	2005	408	59.6	14.8	58.2	61.1			***04	
	2006	408	59.9	14.4	58.5	61.3			*03	
80歳以上	2002	122	59.9	14.9	57.3	62.6	0.003	0.166	**03	
	2003	122	62.0	15.0	59.3	64.7			**02, **04, *05, **06	
	2004	122	59.5	13.5	57.0	61.9			**03	
	2005	122	60.3	14.4	57.7	62.9			*03	
	2006	122	59.4	13.5	57.0	61.8			**03	

表 10-1 性・年齢階級別の 5 年間の随時血糖の推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果	トレンド	ペアごとの比較
					下限	上限	有意確率	有意確率	
40 歳未満	2002	6	93.0	18.1	74.0	112.0	0.646	0.205	
	2003	6	93.0	19.5	72.6	113.4			
	2004	6	88.5	10.6	77.4	99.6			
	2005	6	85.3	11.3	73.5	97.1			
	2006	6	88.2	13.9	73.6	102.7			
40～44 歳	2002	209	102.2	24.2	98.9	105.5	0.280	0.988	*05 *04
	2003	209	101.2	30.4	97.0	105.3			
	2004	209	100.6	26.5	97.0	104.2			
	2005	209	104.2	34.5	99.5	109.0			
	2006	209	100.7	27.7	97.0	104.5			
45～49 歳	2002	333	102.5	28.0	99.5	105.5	0.227	0.391	*05 *03
	2003	333	102.0	21.6	99.6	104.3			
	2004	333	103.5	22.7	101.0	105.9			
	2005	333	105.5	24.6	102.8	108.1			
	2006	333	102.7	31.5	99.3	106.1			
50～54 歳	2002	475	107.2	30.6	104.4	109.9	0.068	0.054	*03, *06 *02 *02
	2003	475	104.4	25.0	102.1	106.6			
	2004	475	106.1	26.7	103.6	108.5			
	2005	475	105.6	25.2	103.3	107.9			
	2006	475	103.8	24.0	101.6	105.9			
55～59 歳	2002	412	110.6	30.5	107.6	113.5	0.080	0.275	*03 *02
	2003	412	107.1	24.8	104.7	109.5			
	2004	412	109.4	28.3	106.7	112.2			
	2005	412	110.0	35.4	106.6	113.4			
	2006	412	107.0	33.3	103.8	110.3			
60～64 歳	2002	599	109.0	27.8	106.7	111.2	0.241	0.082	
	2003	599	108.9	28.0	106.6	111.1			
	2004	599	110.8	33.2	108.2	113.5			
	2005	599	111.3	28.6	109.0	113.5			
	2006	599	110.5	36.5	107.6	113.4			
65～69 歳	2002	713	111.8	31.7	109.4	114.1	0.001	0.910	*03 *02, ***04, **05 ***03, **06 **03 **05
	2003	713	108.9	26.2	107.0	110.9			
	2004	713	113.7	29.8	111.5	115.9			
	2005	713	111.9	29.4	109.7	114.1			
	2006	713	110.1	30.4	107.9	112.4			
70～74 歳	2002	500	110.8	26.5	108.4	113.1	0.007	0.079	*05 *04, ***05 *03, *05 *02, ***03, *04, *06 *05
	2003	500	109.0	30.3	106.3	111.7			
	2004	500	111.5	28.9	109.0	114.1			
	2005	500	114.2	33.0	111.3	117.1			
	2006	500	111.0	30.2	108.4	113.7			
75～79 歳	2002	261	111.5	25.8	108.4	114.6	0.015	0.413	**05 **02, **06 **05
	2003	261	115.2	32.1	111.3	119.1			
	2004	261	114.9	28.8	111.4	118.4			
	2005	261	118.1	33.6	114.0	122.2			
	2006	261	112.0	27.7	108.6	115.4			
80 歳以上	2002	88	111.5	25.5	106.1	116.9	0.177	0.079	
	2003	88	117.1	37.7	109.1	125.1			
	2004	88	115.4	30.1	109.0	121.8			
	2005	88	118.6	42.8	109.6	127.7			
	2006	88	119.4	36.5	111.6	127.1			

表10-2 性・年齢階級別の5年間の随時血糖の推移(女性)

女	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド 有意確率	べアごとの比較
					下限	上限	有意確率	有意確率		
40歳未満	2002	52	89.0	10.6	86.1	92.0	0.365	0.186	*05	
	2003	52	90.8	17.0	86.0	95.5				
	2004	52	91.4	15.1	87.2	95.6				
	2005	52	93.6	20.0	88.0	99.2				
	2006	52	89.8	11.8	86.6	93.1				
40～44歳	2002	1,125	94.4	15.2	93.5	95.3	0.000	0.063	**06 **04 **03, ***06 **06 **02, ***04, **05	
	2003	1,125	93.6	14.0	92.7	94.4				
	2004	1,125	95.4	16.5	94.5	96.4				
	2005	1,125	94.4	17.1	93.4	95.5				
	2006	1,125	92.7	14.7	91.9	93.6				
45～49歳	2002	1,329	96.9	18.6	95.9	97.9	0.000	0.029	*03, **06 *02, **04, *05 **03, ***06 *03, ***06 **02, ***04, ***05	
	2003	1,329	95.9	17.0	95.0	96.8				
	2004	1,329	97.1	17.4	96.2	98.1				
	2005	1,329	97.0	17.7	96.0	97.9				
	2006	1,329	95.0	17.5	94.1	96.0				
50～54歳	2002	1,746	98.3	16.6	97.5	99.0	0.000	0.086	**03, **04, **05 **02, ***04, ***05 **02, ***03, ***05, **06 **02, ***03, ***06 ***04, ***05	
	2003	1,746	97.0	16.3	96.2	97.8				
	2004	1,746	99.6	17.9	98.7	100.4				
	2005	1,746	100.0	19.2	99.1	100.9				
	2006	1,746	97.8	18.7	96.9	98.7				
55～59歳	2002	1,476	100.0	17.9	99.0	100.9	0.017	0.142	*05 **04, **05 **03 *02, **03	
	2003	1,476	99.5	18.2	98.6	100.4				
	2004	1,476	101.0	18.7	100.0	101.9				
	2005	1,476	101.1	19.2	100.1	102.1				
	2006	1,476	100.2	20.6	99.1	101.2				
60～64歳	2002	1,225	102.6	20.0	101.5	103.8	0.001	0.181	**05 *04, **05 *03 **02, **03, **06 **05	
	2003	1,225	102.4	19.2	101.3	103.4				
	2004	1,225	103.9	21.3	102.7	105.1				
	2005	1,225	104.7	23.9	103.4	106.1				
	2006	1,225	102.5	21.4	101.3	103.7				
65～69歳	2002	1,079	103.8	20.0	102.6	105.0	0.000	0.004	*04, ***05 *04, ***05 *02, *03 ***02, ***03, *06 *06	
	2003	1,079	103.9	20.6	102.6	105.1				
	2004	1,079	105.6	20.5	104.4	106.8				
	2005	1,079	106.6	21.6	105.3	107.9				
	2006	1,079	104.9	20.7	103.6	106.1				
70～74歳	2002	654	105.8	20.0	104.3	107.4	0.101	0.927	*05 *03, *06 *05	
	2003	654	105.4	20.0	103.8	106.9				
	2004	654	106.3	20.1	104.8	107.8				
	2005	654	107.2	21.3	105.5	108.8				
	2006	654	104.8	22.5	103.1	106.5				
75～79歳	2002	329	106.4	20.2	104.2	108.6	0.001	0.000	*04, **05, **06 *05, *06 *02 **02, *03 **02, *03	
	2003	329	107.3	23.1	104.8	109.8				
	2004	329	109.0	21.9	106.7	111.4				
	2005	329	110.9	24.2	108.3	113.5				
	2006	329	110.9	22.6	108.5	113.4				
80歳以上	2002	100	108.0	20.4	103.9	112.0	0.820	0.597		
	2003	100	107.2	19.5	103.3	111.0				
	2004	100	109.5	23.6	104.9	114.2				
	2005	100	109.2	22.6	104.7	113.7				
	2006	100	108.4	24.5	103.5	113.2				

表 1 1 - 1 性・年齢階級別の 5 年間の GOT の推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド 有意確率	べアごとの比較
					下限	上限	有意確率	有意確率		
40 歳未満	2002	72	24.8	14.3	21.4	28.2	0.406	0.756		
	2003	72	22.4	7.8	20.6	24.3				
	2004	72	23.5	11.7	20.8	26.3				
	2005	72	24.5	10.5	22.0	27.0				
	2006	72	24.3	8.7	22.3	26.4				
40～44 歳	2002	284	25.3	12.2	23.9	26.8	0.190	0.079		
	2003	284	24.5	9.3	23.4	25.6				
	2004	284	24.2	10.0	23.1	25.4				
	2005	284	24.4	10.0	23.2	25.5				
	2006	284	24.2	9.1	23.1	25.2				
45～49 歳	2002	451	24.8	12.8	23.6	26.0	0.114	0.538	*04	
	2003	451	23.9	7.4	23.2	24.5			*02	
	2004	451	23.7	9.7	22.8	24.6				
	2005	451	24.4	9.1	23.5	25.2				
	2006	451	24.2	7.7	23.5	25.0				
50～54 歳	2002	666	24.3	10.1	23.6	25.1	0.537	0.518		
	2003	666	23.9	8.4	23.3	24.6				
	2004	666	23.8	10.3	23.1	24.6				
	2005	666	24.1	8.9	23.5	24.8				
	2006	666	24.0	8.8	23.3	24.6				
55～59 歳	2002	602	24.1	7.7	23.5	24.8	0.011	0.461	*05	
	2003	602	24.5	9.0	23.8	25.2			*04	
	2004	602	23.7	9.6	23.0	24.5			*03, **05	
	2005	602	24.9	8.9	24.2	25.6			**04	
	2006	602	24.2	9.8	23.5	25.0				
60～64 歳	2002	950	24.5	9.6	23.9	25.1	0.307	0.919		
	2003	950	24.5	10.4	23.8	25.2				
	2004	950	24.0	9.8	23.4	24.7				
	2005	950	24.4	8.7	23.9	25.0				
	2006	950	24.6	10.3	23.9	25.2				
65～69 歳	2002	1,032	25.0	17.0	24.0	26.0	0.448	0.615		
	2003	1,032	24.8	10.0	24.2	25.4				
	2004	1,032	25.0	16.0	24.0	26.0				
	2005	1,032	25.3	10.8	24.6	25.9				
	2006	1,032	24.5	9.3	24.0	25.1				
70～74 歳	2002	723	25.6	12.0	24.8	26.5	0.613	0.278		
	2003	723	25.5	11.6	24.7	26.4				
	2004	723	25.7	11.9	24.8	26.6				
	2005	723	26.0	12.4	25.1	26.9				
	2006	723	25.8	12.0	25.0	26.7				
75～79 歳	2002	340	25.8	18.7	23.8	27.8	0.550	0.663		
	2003	340	24.8	8.3	23.9	25.7				
	2004	340	24.8	9.4	23.8	25.8				
	2005	340	25.2	8.8	24.3	26.2				
	2006	340	25.1	12.0	23.8	26.4				
80 歳以上	2002	114	24.1	16.2	21.1	27.1	0.572	0.552		
	2003	114	23.2	5.4	22.2	24.2				
	2004	114	23.0	5.3	22.0	24.0				
	2005	114	23.6	5.9	22.5	24.6				
	2006	114	23.0	5.3	22.0	24.0				

表 1 1 - 2 性・年齢階級別の 5 年間の GOT の推移(女性)

女	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果	トレンド	ペアごとの比較
					下限	上限	有意確率	有意確率	
40 歳未満	2002	414	16.9	4.9	16.5	17.4	0.006	0.000	**05, **06
	2003	414	17.1	5.0	16.6	17.6			*05, *06
	2004	414	17.1	4.0	16.7	17.4			**05, **06
	2005	414	18.7	13.2	17.4	20.0			**02, *03, **05
	2006	414	17.8	5.6	17.2	18.3			**02, *03, **04
40～44 歳	2002	1,445	17.6	4.9	17.4	17.9	0.000	0.000	***05, ***06
	2003	1,445	17.7	4.9	17.4	17.9			***05, ***06
	2004	1,445	17.5	4.8	17.3	17.8			***05, ***06
	2005	1,445	18.4	5.7	18.1	18.6			***02, ***03, ***04
	2006	1,445	18.3	5.0	18.0	18.6			***02, ***03, ***04
45～49 歳	2002	1,731	18.5	5.6	18.3	18.8	0.000	0.000	**03, **04, ***05, ***06
	2003	1,731	19.0	7.0	18.6	19.3			**02, ***05, ***06
	2004	1,731	19.0	6.5	18.7	19.3			**02, ***05, ***06
	2005	1,731	20.1	6.4	19.8	20.4			***02, ***03, ***04
	2006	1,731	20.6	18.1	19.8	21.5			***02, ***03, ***04
50～54 歳	2002	2,436	20.9	11.0	20.4	21.3	0.000	0.000	***05, ***06
	2003	2,436	20.8	6.1	20.6	21.1			***05, ***06
	2004	2,436	20.9	6.8	20.6	21.2			***05, ***06
	2005	2,436	21.8	6.4	21.6	22.1			***02, ***03, ***04
	2006	2,436	21.8	6.9	21.5	22.1			***02, ***03, ***04
55～59 歳	2002	2,171	22.0	6.5	21.7	22.2	0.054	0.014	***05, **06
	2003	2,171	22.3	18.3	21.5	23.0			
	2004	2,171	21.8	6.1	21.5	22.0			***05, **06
	2005	2,171	22.6	8.1	22.2	22.9			***02, ***04
	2006	2,171	22.5	8.0	22.1	22.8			**02, **04
60～64 歳	2002	1,947	22.8	7.3	22.5	23.1	0.019	0.360	*05
	2003	1,947	22.8	7.2	22.5	23.1			*05
	2004	1,947	22.7	8.2	22.3	23.1			*05
	2005	1,947	23.3	10.7	22.8	23.7			*02, *03, *04, **06
	2006	1,947	22.7	6.7	22.4	23.0			**05
65～69 歳	2002	1,572	23.7	11.7	23.1	24.3	0.024	0.844	*04
	2003	1,572	23.5	8.1	23.1	23.9			*04
	2004	1,572	23.1	8.5	22.7	23.6			*02, *03, **05
	2005	1,572	23.9	9.9	23.4	24.4			**04, *06
	2006	1,572	23.4	7.8	23.0	23.8			*05
70～74 歳	2002	910	23.2	6.3	22.8	23.6	0.007	0.584	**04
	2003	910	23.2	7.1	22.7	23.7			*04
	2004	910	22.6	7.2	22.2	23.1			**02, *03, ***05, **06
	2005	910	23.4	7.2	22.9	23.9			***04
	2006	910	23.3	6.9	22.8	23.7			**04
75～79 歳	2002	408	23.8	7.4	23.1	24.5	0.085	0.818	
	2003	408	23.7	8.0	22.9	24.5			*05
	2004	408	23.5	7.4	22.8	24.2			**05
	2005	408	24.3	8.8	23.4	25.1			*03, **04, *06
	2006	408	23.6	8.4	22.8	24.4			*05
80 歳以上	2002	122	23.9	6.8	22.7	25.2	0.731	0.699	
	2003	122	23.6	6.0	22.6	24.7			
	2004	122	23.5	6.6	22.3	24.7			
	2005	122	24.1	9.0	22.5	25.7			
	2006	122	23.5	6.1	22.4	24.6			

表 1 2 - 1 性・年齢階級別の 5 年間の GPT の推移(男性)

男	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果		トレンド	
					下限	上限	有意確率	有意確率	有意確率	有意確率
40 歳未満	2002	72	32.2	25.7	26.1	38.2	0.754	0.776		
	2003	72	29.9	17.8	25.7	34.0				
	2004	72	29.9	20.8	25.1	34.8				
	2005	72	31.1	19.7	26.5	35.7				
	2006	72	30.7	18.9	26.3	35.2				
40～44 歳	2002	284	30.9	24.7	28.1	33.8	0.030	0.007	**06 *06	
	2003	284	29.5	18.8	27.3	31.7				
	2004	284	28.9	18.9	26.7	31.1				
	2005	284	28.9	19.3	26.6	31.1				
	2006	284	27.7	16.6	25.8	29.7				
45～49 歳	2002	451	28.1	18.8	26.4	29.9	0.497	0.131		
	2003	451	27.8	14.6	26.4	29.1				
	2004	451	27.2	16.7	25.7	28.8				
	2005	451	27.4	16.2	25.9	28.9				
	2006	451	27.2	14.9	25.8	28.6				
50～54 歳	2002	666	26.7	18.8	25.3	28.2	0.011	0.003	*05, **06 *06	
	2003	666	25.7	15.1	24.5	26.8				
	2004	666	25.6	16.6	24.4	26.9				
	2005	666	25.5	13.9	24.4	26.5				
	2006	666	24.8	14.9	23.7	25.9				
55～59 歳	2002	602	24.9	13.1	23.8	25.9	0.002	0.017	*04, *06 **04, **06 *02, **03 **06	*02, **03, **05
	2003	602	25.3	13.5	24.2	26.3				
	2004	602	24.1	13.2	23.0	25.2				
	2005	602	24.9	12.3	23.9	25.9				
	2006	602	23.6	11.7	22.7	24.5				
60～64 歳	2002	950	23.3	14.4	22.4	24.3	0.347	0.114		
	2003	950	23.3	13.4	22.4	24.1				
	2004	950	23.0	14.5	22.1	24.0				
	2005	950	22.8	12.5	22.0	23.6				
	2006	950	22.6	16.2	21.5	23.6				
65～69 歳	2002	1,032	22.3	17.9	21.3	23.4	0.080	0.045	**06 *06 **06	**03, *04, **05
	2003	1,032	22.4	11.8	21.7	23.1				
	2004	1,032	22.8	20.7	21.6	24.1				
	2005	1,032	22.3	12.9	21.5	23.1				
	2006	1,032	21.3	12.2	20.6	22.1				
70～74 歳	2002	723	21.1	13.9	20.0	22.1	0.175	0.113	*06	*04
	2003	723	21.0	12.4	20.1	21.9				
	2004	723	21.1	13.2	20.1	22.0				
	2005	723	21.0	13.4	20.0	22.0				
	2006	723	20.3	12.7	19.4	21.2				
75～79 歳	2002	340	19.7	14.1	18.2	21.2	0.654	0.282		
	2003	340	19.5	10.7	18.3	20.6				
	2004	340	19.4	11.1	18.2	20.6				
	2005	340	19.2	8.9	18.3	20.2				
	2006	340	18.8	12.0	17.6	20.1				
80 歳以上	2002	114	16.7	11.7	14.5	18.9	0.469	0.316	*06 *05	
	2003	114	16.3	5.1	15.3	17.2				
	2004	114	16.1	5.6	15.0	17.1				
	2005	114	16.4	5.8	15.3	17.5				
	2006	114	15.4	5.0	14.5	16.3				

表 1 2 - 2 性・年齢階級別の 5 年間の GPT の推移(女性)

女	年度	人数	平均値	標準 偏差	95% 信頼区間		被験者内 効果	トレンド	べアごとの比較
					下限	上限	有意確率	有意確率	
40 歳未満	2002	414	13.9	9.0	13.1	14.8	0.085	0.037	*05
	2003	414	14.5	8.7	13.6	15.3			
	2004	414	14.0	7.2	13.3	14.7			
	2005	414	15.6	18.2	13.9	17.4			
	2006	414	14.6	10.0	13.6	15.5			
40～44 歳	2002	1,445	14.6	7.8	14.2	15.0	0.000	0.000	***05, **06
	2003	1,445	14.9	7.5	14.5	15.3			**05, *06
	2004	1,445	14.6	6.8	14.3	15.0			***05, ***06
	2005	1,445	15.6	9.1	15.1	16.1			***02, **03, ***04
	2006	1,445	15.3	7.7	14.9	15.7			**02, **03, ***04
45～49 歳	2002	1,731	15.6	9.0	15.1	16.0	0.000	0.000	**03, ***04, ***05, ***06
	2003	1,731	16.3	10.9	15.8	16.8			**02, ***05, ***06
	2004	1,731	16.4	9.9	16.0	16.9			***02, ***05, ***06
	2005	1,731	17.6	10.3	17.1	18.1			***02, ***03, ***04
	2006	1,731	17.8	13.2	17.2	18.4			***02, ***03, ***04
50～54 歳	2002	2,436	18.4	21.3	17.6	19.3	0.016	0.007	**05
	2003	2,436	18.4	9.7	18.1	18.8			***05, ***06
	2004	2,436	18.5	10.1	18.1	18.9			***05, **06
	2005	2,436	19.3	10.6	18.9	19.7			*02, ***03, ***04
	2006	2,436	19.2	10.9	18.8	19.6			***03, **04
55～59 歳	2002	2,171	19.0	9.2	18.6	19.4	0.355	0.739	*05
	2003	2,171	19.4	18.4	18.7	20.2			
	2004	2,171	19.0	9.5	18.6	19.4			
	2005	2,171	19.5	11.5	19.0	20.0			
	2006	2,171	19.1	13.4	18.6	19.7			
60～64 歳	2002	1,947	19.2	9.9	18.8	19.7	0.004	0.222	*06
	2003	1,947	19.3	9.6	18.9	19.8			**06
	2004	1,947	19.4	11.0	18.9	19.9			**06
	2005	1,947	19.6	10.2	19.1	20.0			***06
	2006	1,947	18.8	9.0	18.4	19.2			*02, **03, **04, ***05
65～69 歳	2002	1,572	19.1	16.6	18.2	19.9	0.011	0.034	*04, **06
	2003	1,572	18.6	10.1	18.1	19.1			*04, **06
	2004	1,572	18.2	9.2	17.8	18.7			*02, *03, *05
	2005	1,572	18.9	12.5	18.3	19.5			*04, ***06
	2006	1,572	18.0	8.9	17.5	18.4			**02, **03, ***05
70～74 歳	2002	910	17.2	8.2	16.7	17.7	0.130	0.076	*06
	2003	910	17.1	7.4	16.6	17.6			
	2004	910	16.7	8.3	16.1	17.2			
	2005	910	16.9	7.6	16.4	17.4			
	2006	910	16.7	7.9	16.1	17.2			*02
75～79 歳	2002	408	16.6	7.6	15.8	17.3	0.112	0.518	*04
	2003	408	16.7	8.6	15.8	17.5			*03, **05
	2004	408	16.1	7.6	15.4	16.8			**04, *06
	2005	408	16.9	9.3	15.9	17.8			*05
	2006	408	16.2	9.3	15.3	17.1			
80 歳以上	2002	122	14.8	6.0	13.7	15.9	0.637	0.204	
	2003	122	14.8	5.3	13.8	15.7			
	2004	122	14.8	6.2	13.7	15.9			
	2005	122	14.6	5.9	13.6	15.7			
	2006	122	14.2	5.1	13.3	15.1			