

ANNEXES

ANNEX 1

Label	Type	Categories
Condition of the elderly	Qualitative	Alive Death
Type of insurance	Qualitative	Retired Volunteer (Ordinary System) By their children Workers By their spouse Volunteer (Other system)
"Delegacion"	Qualitative	1 Noreste 2 Noroeste 3 Suroeste 4 Sureste
Family Medicine Unit	Qualitative	6 7 12 13 22 29 33 35 41 42 45 94
Person who answer during (the interview)	Qualitative	Elderly subjects Proxy Both
Sex	Qualitative	Male Female
Age	Quantitative (Grouped)	60-64 65-69 70-74 75-79 80-84 85 and over
Education	Quantitative (Grouped)	None 1-3 years 4-6 years 7-9 years 10-12 years more than 12 years
Attended formal education	Qualitative	Yes No
Partner	Qualitative	Yes Not

Label	Type	Categories
Marital Status	Qualitative	Single Married Widow (er) Cohabiting Separated Divorced
Place of birth	Qualitative	D.F. Other
Length of stay in D.F.	Quantitative (Grouped)	1-5 years 6-10 years more than 10 years
Type of main place of residence	Qualitative	Rural Urban
Occupation	Qualitative	Houseworker White collar Blue collar Informal trader Retired Other None
Occupation (Past)	Qualitative	Houseworker White collar Blue collar Informal trader Other
Payment in the past	Qualitative	Yes Not
Income	Qualitative	Yes Not
Personal Income	Qualitative	Yes Not
Transfers	Qualitative	Yes Not
Salary	Qualitative	Yes Not
Pension	Qualitative	Yes Not
Income	Qualitative	Yes Not
Letting	Qualitative	Yes Not
Sales	Qualitative	Yes Not

Label	Type	Categories
Transfers in cash	Qualitative	Yes Not
Transfers in drugs	Qualitative	Yes Not
Transfers in medical care	Qualitative	Yes Not
Transfers in shopping	Qualitative	Yes Not
Transfers in domestic work	Qualitative	Yes Not
Transfers in services payment	Qualitative	Yes Not
Covered by other institution	Qualitative	Yes Not
Other institution delivering services	Qualitative	Private Public Mix
Person covering assurance	Qualitative	Him/herself Other person
Number of persons in household	Quantitative	1 2-3 4-5 6 and over
Generations living in same place	Qualitative	Same Next One after next
Family support	Qualitative	Yes Not
Type of support	Qualitative	Economic Other
Physical Activity	Qualitative	Yes Not
Duration of Physical Activity	Quantitative	Less than one hour a week 1-4 hours a week 4-8 hours a week 9 and over
Sports	Qualitative	Yes Not
Intensity of practising sports	Quantitative	Less than one hour a week 1-4 hours a week 4-8 hours a week 9 and over

Label	Type	Categories
Sports in the past (18-25)	Qualitative	Yes Not
Smoking	Qualitative	Yes Not
Number of cigarettes per day	Quantitative	1-6 7-12 13 or over
Alcohol	Qualitative	Yes Not
Frequency	Quantitative	More than once a week Less than once a week
Number of glasses	Quantitative	1-3 more than 3
Activities of Daily Living	Qualitative	without help with help in one or more can't
Instrumental Activities of Daily Living	Qualitative	without help with help in six or more
Health Self-perception	Qualitative	Excellent Good Poor Very Poor
Hearing Loss	Qualitative	Yes Not
Vision Loss	Qualitative	Yes Not
Physical problem	Qualitative	Yes Not
Oral health	Qualitative	Yes Not
Incontinence	Qualitative	Yes Not
Cutting down on daily activities	Qualitative	Yes Not
Cutting down on heavy activities	Qualitative	Yes Not
Stay at home	Qualitative	Yes Not
Number of days	Quantitative	0-360
Stay in bed	Qualitative	Yes Not
Number of days	Quantitative	0-360

Label	Type	Categories
Acute Diseases	Qualitative and Quantitative (Episodes a year)	Yes Not
Depression	Qualitative	Yes Not
Chronic diseases	Quantitative (Number of them)	1 2-3 4-5 6 and over
Each chronic diagnosis	Qualitative	Yes Not
Treatment adherence	Qualitative	Yes Not
New diagnosis during period	Qualitative and Quantitative (Number of them)	Yes Not
Injuries	Qualitative and Quantitative (Episodes a year)	Yes Not
Poisonings	Qualitative and Quantitative (Episodes a year)	Yes Not
Family background of disease	Qualitative	Yes Not
Utilisation of health services (first level)		
External consultation	Qualitative and Quantitative (Number of them)	Yes Not
Receiving drugs	Qualitative and Quantitative (Number of them)	Yes Not
Cures	Qualitative and Quantitative (Number of them)	Yes Not
X ray services	Qualitative and Quantitative (Number of them)	Yes Not
Laboratory services	Qualitative and Quantitative (Number of them)	Yes Not
Screenings	Qualitative and Quantitative (Number of them)	Yes Not
Vaccination	Qualitative and Quantitative (Number of them)	Yes Not
Receiving (incapacity)	Qualitative and Quantitative (Number of them)	Yes Not
Emergency room	Qualitative and Quantitative (Number of them)	Yes Not
Self-support groups	Qualitative and Quantitative (Number of them)	Yes Not

Label	Type	Categories
Utilisation of health services (second level)		
External consultation	Qualitative and	Yes
	Quantitative (Number of them)	Not
Receiving drugs	Qualitative and	Yes
	Quantitative (Number of them)	Not
Cures	Qualitative and	Yes
	Quantitative (Number of them)	Not
X ray services	Qualitative and	Yes
	Quantitative (Number of them)	Not
Laboratory services	Qualitative and	Yes
	Quantitative (Number of them)	Not
Screenings	Qualitative and	Yes
	Quantitative (Number of them)	Not
Vaccination	Qualitative and	Yes
	Quantitative (Number of them)	Not
Dialysis	Qualitative and	Yes
	Quantitative (Number of them)	Not
Emergency room	Qualitative and	Yes
	Quantitative (Number of them)	Not
Self-support groups	Qualitative and	Yes
	Quantitative (Number of them)	Not
Ambulatory Surgery	Qualitative and	Yes
	Quantitative (Number of them)	Not
Hospitalisation	Qualitative and	Yes
	Quantitative (Number of them)	Not
Total number of days a year CTs.	Quantitative	
	Qualitative and	Yes
	Quantitative (Number of them)	Not
USG	Qualitative and	Yes
	Quantitative (Number of them)	Not
X ray services	Qualitative and	Yes
	Quantitative (Number of them)	Not
Laboratory services	Qualitative and	Yes
	Quantitative (Number of them)	Not
Screenings	Qualitative and	Yes
	Quantitative (Number of them)	Not
Solution applications	Qualitative and	Yes
	Quantitative (Number of them)	Not
Dialysis	Qualitative and	Yes
	Quantitative (Number of them)	Not
Surgery	Qualitative and	Yes
	Quantitative (Number of them)	Not

Label	Type	Categories
Utilisation of health services (third level)		
External consultation	Qualitative and Quantitative (Number of them)	Yes Not
Receiving drugs	Qualitative and Quantitative (Number of them)	Yes Not
Cures	Qualitative and Quantitative (Number of them)	Yes Not
X ray services	Qualitative and Quantitative (Number of them)	Yes Not
Laboratory services	Qualitative and Quantitative (Number of them)	Yes Not
Screenings	Qualitative and Quantitative (Number of them)	Yes Not
Dialysis	Qualitative and Quantitative (Number of them)	Yes Not
Emergency room	Qualitative and Quantitative (Number of them)	Yes Not
Self-support groups	Qualitative and Quantitative (Number of them)	Yes Not
Ambulatory Surgery	Qualitative and Quantitative (Number of them)	Yes Not
Hospitalisation	Qualitative and Quantitative (Number of them)	Yes Not
Total number of days a year CTs	Quantitative Qualitative and Quantitative (Number of them)	Yes Not
USG	Qualitative and Quantitative (Number of them)	Yes Not
X ray services	Qualitative and Quantitative (Number of them)	Yes Not
Laboratory services	Qualitative and Quantitative (Number of them)	Yes Not
Screenings	Qualitative and Quantitative (Number of them)	Yes Not
Solution applications	Qualitative and Quantitative (Number of them)	Yes Not
Dialysis	Qualitative and Quantitative (Number of them)	Yes Not
Surgery	Qualitative and Quantitative (Number of them)	Yes Not

Label	Type	Categories
Utilisation of health services (private and other public level)		
External consultation	Qualitative and Quantitative (Number of them)	Yes Not
Cures	Qualitative and Quantitative (Number of them)	Yes Not
X ray and laboratory services	Qualitative and Quantitative (Number of them)	Yes Not
Emergency room	Qualitative and Quantitative (Number of them)	Yes Not
Ambulatory Surgery	Qualitative and Quantitative (Number of them)	Yes Not
Hospitalisation	Qualitative and Quantitative (Number of them)	Yes Not
Total number of days a year	Quantitative	none 1-3 days 4-7 days 2-4 weeks 5-12 weeks 13-24 weeks 25 weeks or over
CT	Qualitative and Quantitative (Number of them)	Yes Not
USG	Qualitative and Quantitative (Number of them)	Yes Not
X ray services	Qualitative and Quantitative (Number of them)	Yes Not
Laboratory services	Qualitative and Quantitative (Number of them)	Yes Not
Screenings	Qualitative and Quantitative (Number of them)	Yes Not
Dialysis	Qualitative and Quantitative (Number of them)	Yes Not
Surgery	Qualitative and Quantitative (Number of them)	Yes Not
Average cost of health services Per person in IMSS	Quantitative	UMFs HGZs CMNs IMSS
Cost per diseases in IMSS	Quantitative	UMFs HGZs CMNs IMSS
Annual Cost in IMSS	Quantitative	UMFs HGZs CMNs IMSS

ANNEX 2



INSTITUTO MEXICANO DEL SEGURO SOCIAL
DIRECCION DE PRESTACIONES MEDICAS

Estimado Derechohabiente

P R E S E N T E

El Instituto Mexicano del Seguro Social (I.M.S.S.), dentro de su programa de mejoramiento de la organización y la calidad de los servicios de salud que proporciona, está llevando a cabo esta investigación que tiene como objetivo el conocer las necesidades y utilización de servicios de salud por su población derechohabiente mayor de 60 años.

Como parte de este proyecto, se seleccionaron al azar 12 unidades de medicina familiar y de ellas los derechohabientes adscritos a un solo consultorio (turno matutino y vespertino).

Usted ha sido seleccionado para formar parte de este proyecto de investigación. Para ello se requiere que nos proporcione información sobre sus enfermedades y sobre el uso de servicios de salud dentro del IMSS o en otra institución pública o privada. Si usted acepta participar en este proyecto, un entrevistador vendrá a visitarlo cada dos meses para recibir la información que será tratada de manera totalmente CONFIDENCIAL, lo que significa que solo se utilizará con fines de investigación y en ningún momento se hará un análisis individualizado de los casos.

Le agradecemos de antemano su colaboración. Es importante destacar que con su participación, USTED va a contribuir a mejorar los servicios de salud para el resto de los derechohabientes, ya que los resultados serán utilizados para ayudar a definir las políticas de salud para su grupo de edad y de esta forma ofrecer una mejoría en su calidad de vida.

Atentamente

“SEGURIDAD Y SOLIDARIDAD SOCIAL”

DOCTOR MARIO MADRAZO NAVARRO
Director de Prestaciones Médicas

IMSS

ANNEX 3

Figure 1. Prevalence, Incidence, Mortality and Disability Rates by Chronic Diseases (female)

<i>Diseases</i>	<i>New Cases</i>		<i>Death</i>		<i>Final Prevalence</i>		<i>With Disability</i>	
	<i>Number</i>	<i>Incidence Rate**</i>	<i>Number</i>	<i>%</i>	<i>Number</i>	<i>Rate*</i>	<i>Number</i>	<i>%</i>
Angina Pectoris	476	1.60	355	6.85	4824	1.86	662	13.72
Arthritis	446	1.86	1790	3.18	54549	21.06	6093	11.17
Asthma	130	0.44	700	11.56	5357	2.07	663	12.38
Biliar Calculi	924	3.54	1146	3.06	36269	14.00	2789	7.69
Cancer	933	3.14	1167	17.68	5434	2.10	925	17.02
Cardiac Failure	1327	4.68	2074	11.09	16630	6.42	1885	11.33
Cataracts	2307	8.68	1971	5.59	33270	12.85	4876	14.66
Chronic Bronchitis	1425	5.18	1303	4.90	25274	9.76	2442	9.66
Depression	1185	4.12	1148	7.53	14074	5.43	1505	10.69
Diabetes mellitus	1991	8.65	4501	6.66	63044	24.34	6321	10.03
Gastric ulcer	248	0.84	221	2.71	7937	3.06	616	7.76
Gastritis	1156	4.70	1681	3.28	49580	19.14	4077	8.22
Glaucoma	576	1.93	2010	41.12	4240	1.64	595	14.03
Gout	316	1.05	103	2.69	3733	1.44	383	10.26
Hemiplegia	452	1.50	158	6.73	2191	0.85	590	26.93
High Blood Pressure	1772	11.04	5511	4.28	123249	47.59	11020	8.94
Hypercholesterolaemia	3636	13.55	1665	4.91	32252	12.45	1886	5.85
Myocardial Infarct	386	1.31	1202	14.16	7287	2.81	1328	18.22
Liver Cirrhosis	116	0.38	189	11.50	1455	0.56	135	9.28
Other heart diseases	330	1.17	1828	9.86	16707	6.45	2123	12.71
Paraplegia	185	0.62	217	8.70	2277	0.88	360	15.81
Parkinson	315	1.04	108	4.82	2132	0.82	823	38.60
Pulmonar Emphysema	557	1.90	2279	22.50	8987	3.47	1228	13.66
Renal failure	708	2.37	532	10.09	4739	1.83	300	6.33
Thrombosis	295	1.07	1627	6.56	23180	8.95	2183	9.42
Urinary Calculi	362	1.22	541	8.94	5509	2.13	737	13.38
Varicose ulcers in legs	262	0.90	632	5.22	11482	4.43	979	8.53

** Per 1000-persons/years observation.

* Per 100-persons/years observation.

Figure 2. Prevalence, Incidence, Mortality and Disability Rates by Chronic Diseases (male)

<i>Diseases</i>	<i>New Cases</i>		<i>Death</i>		<i>Final Prevalence</i>		<i>With Disability</i>	
	<i>Number</i>	<i>Incidence Rate**</i>	<i>Number</i>	<i>%</i>	<i>Number</i>	<i>Rate*</i>	<i>Number</i>	<i>%</i>
Angina Pectoris	61	0.30	136	4.02	3246	1.84	136	4.19
Arthritis	251	1.35	621	3.13	19209	10.87	2266	11.80
Asthma	0	0.00	289	9.16	2865	1.62	344	12.01
Biliar Calculi	82	0.41	188	2.01	9148	5.18	833	9.11
Cancer	238	1.31	697	22.26	2434	1.38	160	6.57
Cardiac Failure	570	2.90	1071	9.57	10117	5.73	1267	12.52
Cataracts	880	4.71	1478	7.08	19388	10.97	2425	12.51
Chronic Bronchitis	240	1.22	874	8.54	9361	5.30	668	7.14
Depression	566	2.76	157	4.62	3264	1.85	322	9.87
Diabetes mellitus	835	5.11	3151	7.65	38030	21.52	3300	8.68
Gastric ulcer	190	0.95	327	4.12	7609	4.31	532	6.99
Gastritis	297	1.73	982	3.12	30478	17.25	2435	7.99
Glaucoma	610	2.96	0	0.00	1690	0.96	613	36.27
Gout	539	2.71	133	1.50	8748	4.95	679	7.76
Hemiplegia	0	0.00	82	5.06	1537	0.87	374	24.33
High Blood Pressure	1211	8.54	2936	4.92	56710	32.09	3432	6.05
Hypercholesterolaemia	1414	7.35	809	5.15	14906	8.44	1231	8.26
Myocardial Infarct	818	4.16	808	6.91	10887	6.16	1057	9.71
Liver Cirrhosis	108	0.52	278	9.05	2794	1.58	500	17.90
Other heart diseases	175	0.89	1338	12.19	9637	5.45	1296	13.45
Paraplegia	125	0.60	94	9.50	895	0.51	437	48.83
Parkinson	423	2.05	207	8.82	2139	1.21	324	15.15
Prostatic Hypertrophy	1848	10.55	1931	6.15	29453	16.67	3303	11.21
Pulmonar Emphysema	82	0.41	0	0.00	5452	3.09	1141	20.93
Renal failure	106	0.51	631	21.64	2285	1.29	480	21.01
Thrombosis	94	0.47	481	6.42	7006	3.96	1018	14.53
Urinary Calculi	82	0.41	143	2.13	6585	3.73	177	2.69
Varicose ulcers in legs	158	0.78	108	1.71	6191	3.50	959	15.49

** Per 1000-persons/years observation.

* Per 100-persons/years observation.