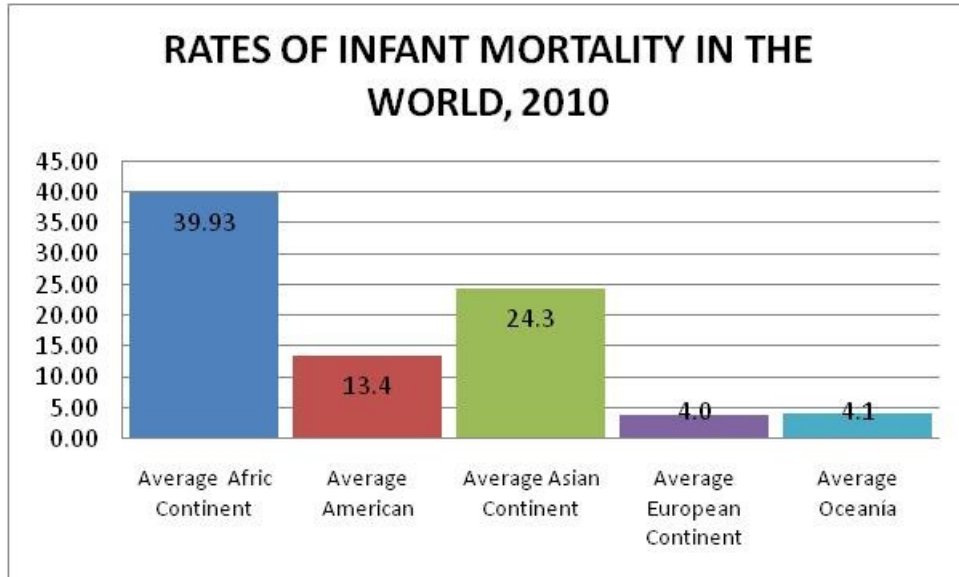


“INFANT MORTALITY IN THE STATE HIDALGO, MEXICO”

Martha Nayeli Fernandez Calderon
University of Hidalgo State, Mexico

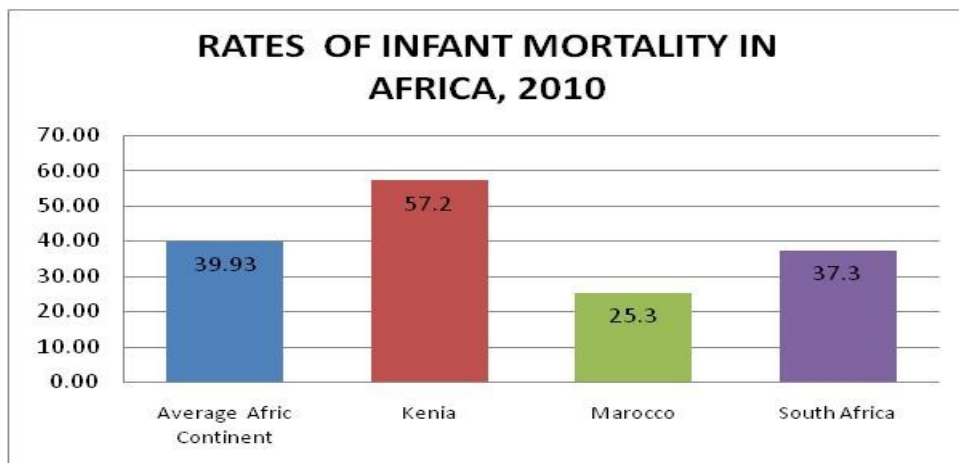
GRAPH. 1 RATES OF INFANT MORTALITY WORLDWIDE



Source: own elaboration based on World Population Prospects: The 2010 Revision. <http://esa.un.org> (revised January 2012)

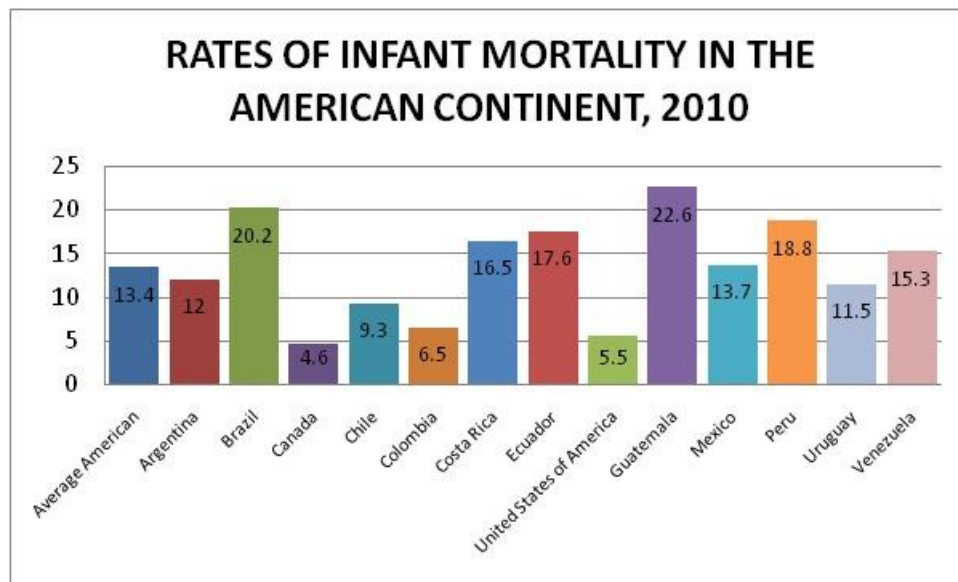
The African continent is the one with the infant mortality rate highest in the world, killed 40 children per thousand live births, contrasting with the European continent that die on average only 4 per 1000 live births.

GRAPH. 2 RATES OF INFANT MORTALITY IN AFRICA



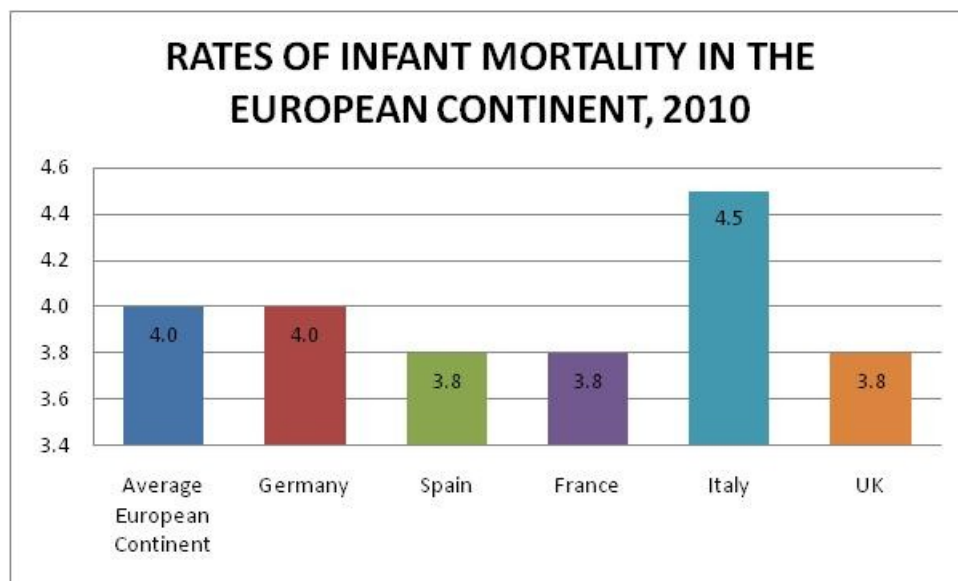
In the African continent, the infant mortality rate is highest in Kenya, with 57 deaths per thousand live births in Morocco contrasting the rate is 25 deaths.

GRAPH. 3 RATES OF INFANT MORTALITY IN THE AMERICAN CONTINENT



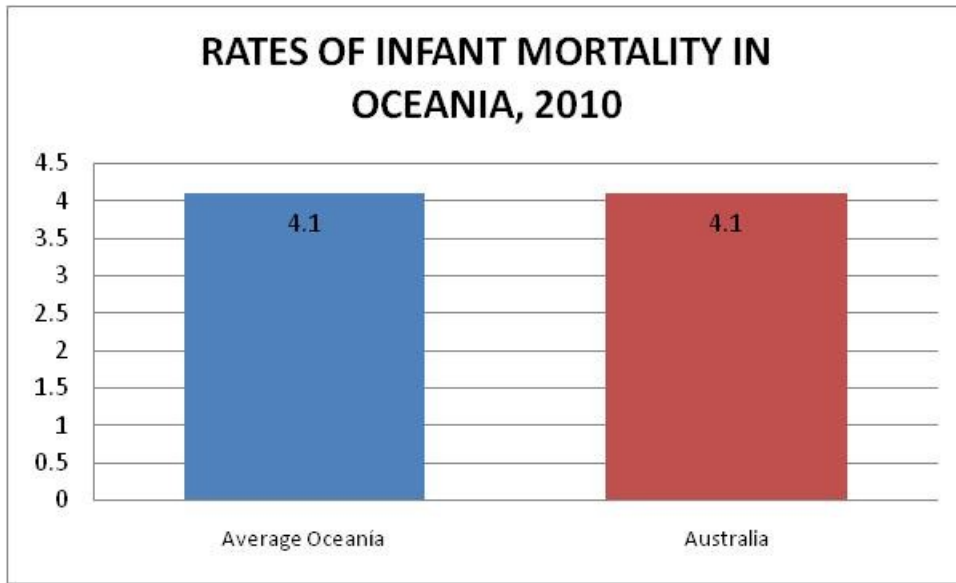
The American continent, its infant mortality rate highest in Guatemala is presented with 23 deaths per thousand live births. And the lowest rate is in Canada with 5 deaths per thousand live births.

GRAPH. 4 RATES OF INFANT MORTALITY IN THE EUROPEAN CONTINENT



In the European continent in average infant mortality rates are between 4 deaths per thousand live births

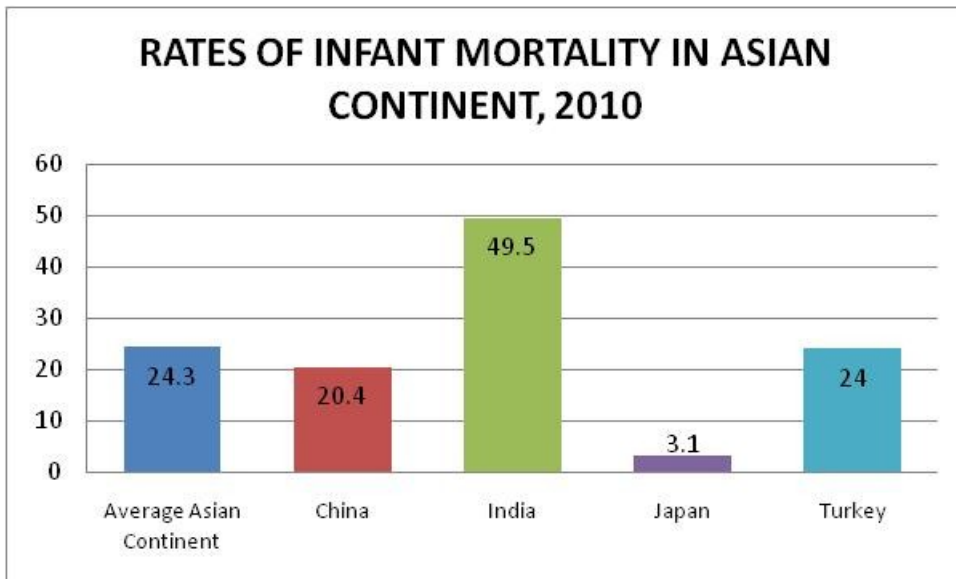
GRAPH. 5 RATES OF INFANT MORTALITY IN OCEANIA



Source: own elaboration based on World Population Prospects: The 2010 Revision. <http://esa.un.org> (revised January 2012)

In Oceania, the rates infant mortality is only of 4 4 deaths per thousand live births

GRAPH. 6 RATES OF INFANT MORTALITY IN ASIAN CONTINENT



Source: own elaboration based on World Population Prospects: The 2010 Revision. <http://esa.un.org> (revised January 2012)

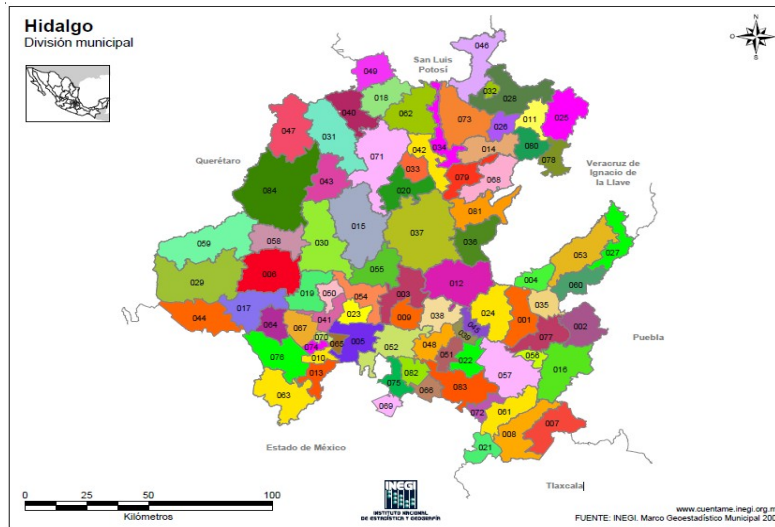
And finally the rates of the Asian continent, the highest is mid in India, with 49 deaths per thousand live births, the lowest rate is in Japan with 3 deaths.

MAP 1. MEXICO WITH THE STATE HIDALGO



Source: www.travelmexico.com

MAP 2. THE STATE OF HIDALGO HAS 84 MUNICIPALITIES

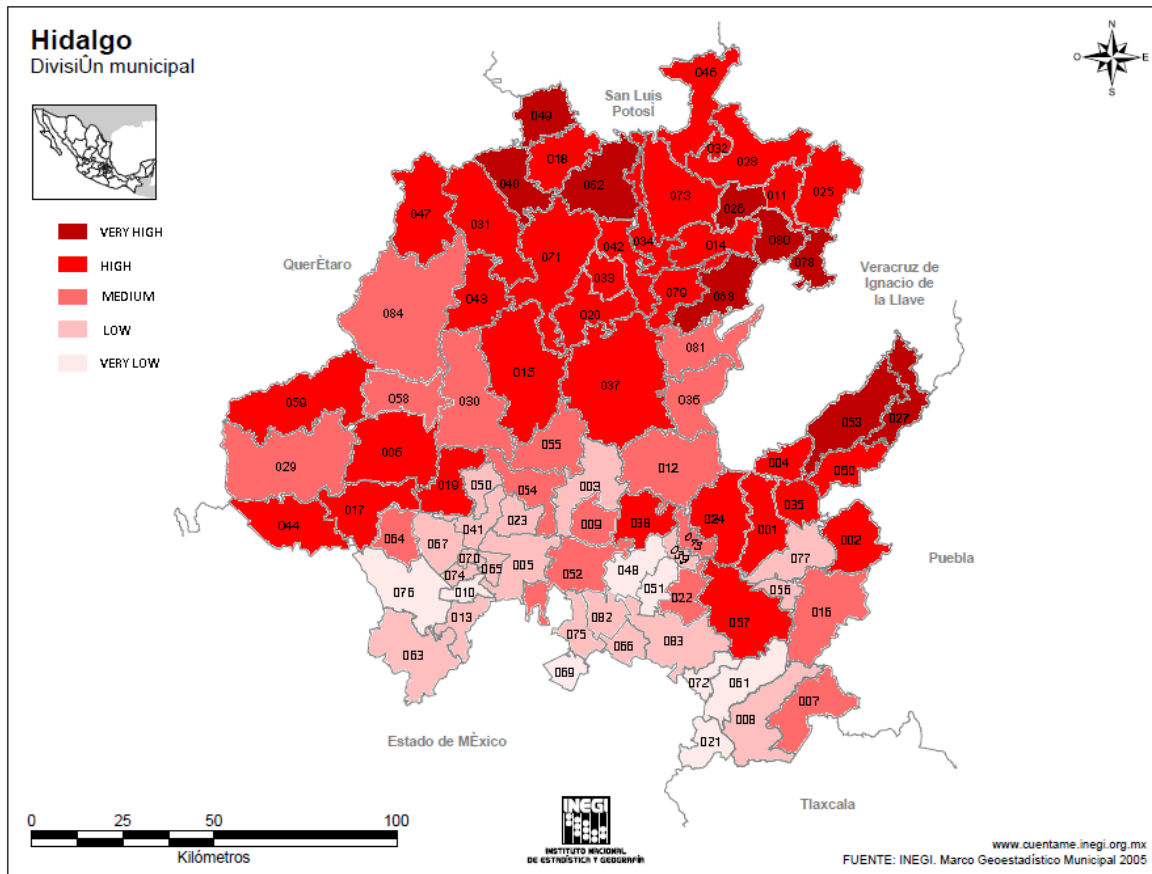


Municipalities in the state of Hidalgo, Mexico							
001 Acatlán	011 Atlapexco	021 Emiliano Zapata	031 Jacala de Ledezma	041 Mixquiahuala de Juárez	051 Mineral de la Reforma	061 Tepeapulco	071 Tlahuiltepa
002 Acaxochitlán	012 Atotonilco el Grande	022 Epazoyucan	032 Jaltocán	042 Molango de Escamilla	052 San Agustín Tlaxiaca	062 Tepehuacán de Guerrero	072 Tlanalapa
003 Actopan	013 Atotonilco de Tula	023 Francisco I Madero	033 Juárez Hidalgo	043 Nicolás Flores	053 San Bartolo Tututepec	063 Tepej del Río de Ocampo	073 Tlanchinol
004 Agua Blanca de Iturbide	014 Calnali	024 Huasca de Ocampo	034 Lolotla	044 Nopala de Villagrán	054 San Salvador	064 Tepetitlán	074 Tlaxcoapan
005 Ajacuba	015 Cardonal	025 Huautla	035 Metepec	045 Omitán de Juárez	055 Santiago de Anaya	065 Tetepango	075 Tolucauca
006 Allajayucan	016 Cuautepec de Hinojosa	026 Huazalingo	036 San Agustín Metzquitlán	046 San Felipe Orizatlán	056 Santiago Tulantepec de	066 Villa de Tezontepec	076 Tula de Allende
007 Almoloya	017 Chapantongo	027 Huehuetla	037 Metztlán	047 Paucilla	057 Singuilucan	067 Tezontepec de Aldama	077 Tulancingo de Bravo
008 Apan	018 Chapulhuacán	028 Huejutla de Reyes	038 Mineral del Chico	048 Pachuca de Soto (state capital)	058 Tasquillo	068 Tianguistengo	078 Xochiatipan
009 El Arenal	019 Chilouautla	029 Huichapan	039 Mineral del Monte	049 Pisaflores	059 Tecozautla	069 Tizayuca	079 Xochicoatlán
010 Atlatlaquia	020 Eloxochitán	030 Ixmiquilpan	040 La Misión	050 Progreso de Obregón	060 Tenango de Doria	070 Tlahuelilpan	080 Yahualica
							081 Zacuotipán de Ángeles
							082 Zapotlán de Juárez
							083 Zempoala
							084 Zimapán

Source: National Institute of Statistics and Geography (INEGI) www.inegi.gob.mx

The National Population Council (CONAPO) defines the level of marginalization as a measure, which allows municipalities differentiate entities according to the deficiencies that have the population and is classified into four categories, education, housing, income and distribution the population. The higher the level of marginalization highest is its lack.

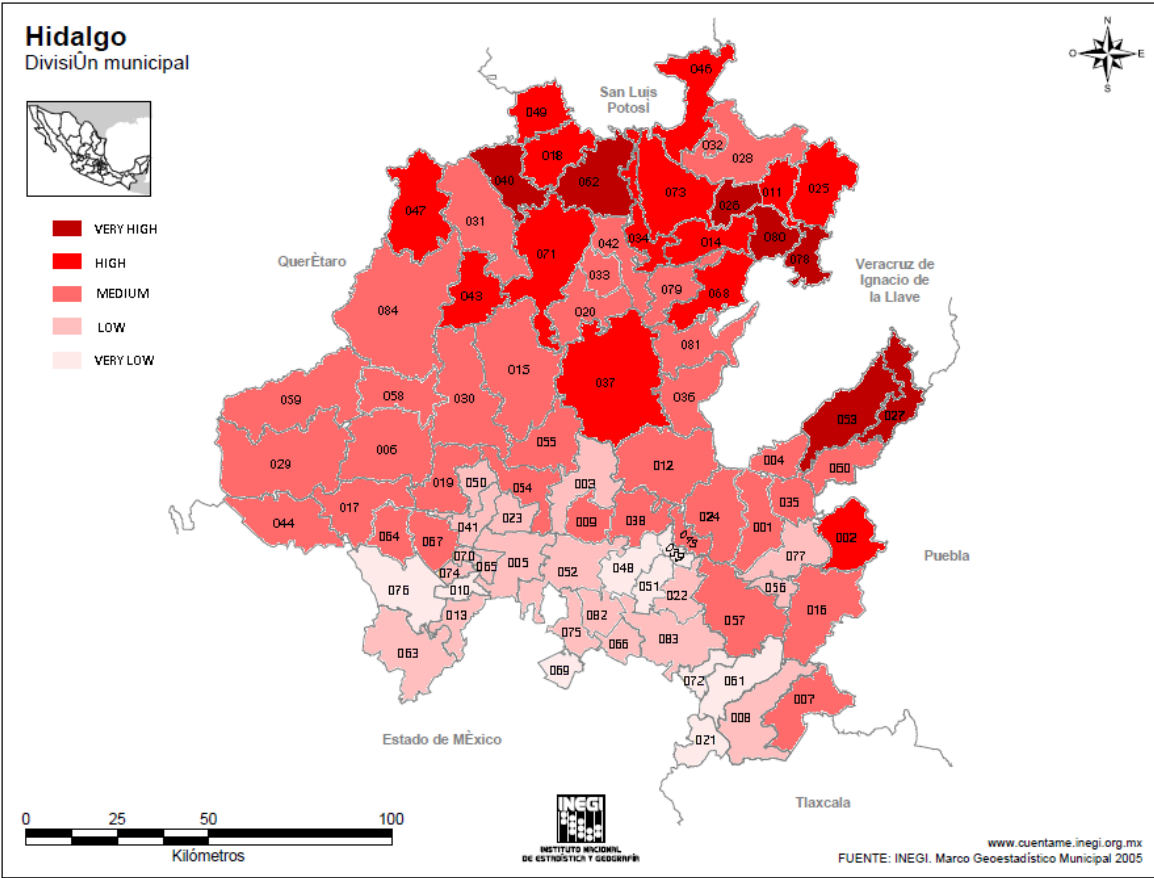
MAP 3. THE LEVEL OF MARGINALIZATION OF 2000 IN THE STATE HIDALGO, MEXICO



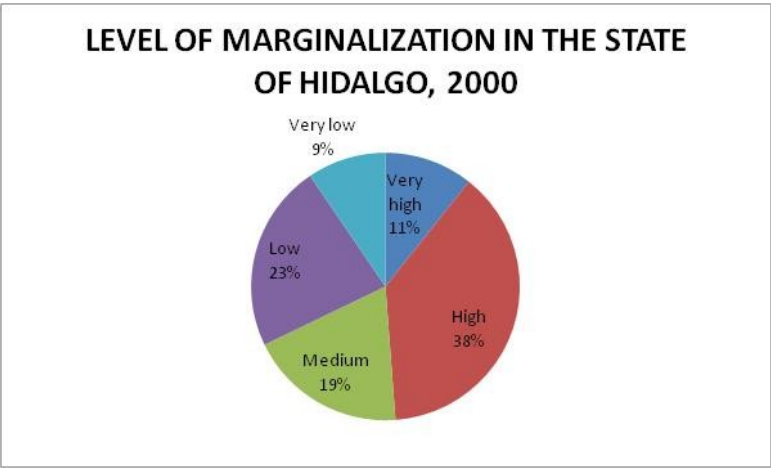
Municipalities in the state of Hidalgo, Mexico								
001 Acatlán	011 Atlapexco	021 Emiliano Zapata	031 Jacala de Ledezma	041 Mixquiahuala de Juárez	051 Mineral de la Reforma	061 Tepeapulco	071 Tlahuitlepa	081 Zacualtipán de Ángeles
002 Acaxochitlán	012 Atotonilco el Grande	022 Epazoyucan	032 Jaltocán	042 Molango de Escamilla	052 San Agustín Tlaxiaca	062 Tepehuacán de Guerrero	072 Tlanalapa	082 Zapotlán de Juárez
003 Actopan	013 Atotonilco de Tula	023 Francisco I. Madero	033 Juárez Hidalgo	043 Nicolás Flores	053 San Bartolo Tutotepec	063 Tepeji del Río de Ocampo	073 Tlanchinol	083 Zempoala
004 Agua Blanca de Iturbide	014 Calnali	024 Huasca de Ocampo	034 Lolotla	044 Nopala de Villagrán	054 San Salvador	064 Tepetitlán	074 Tlaxcoapan	084 Zimapan
005 Ajacuba	015 Cardonal	025 Huautla	035 Metepec	045 Omitlán de Juárez	055 Santiago de Anaya	065 Tetepango	075 Tolcayuca	
006 Alfajayucan	016 Cuauhtepc de Hinojosa	026 Huazalingo	036 San Agustín Metzquititán	046 San Felipe Orizatlán	056 Santiago Tulantepec de	066 Villa de Tezontepec	076 Tula de Allende	
007 Almoloya	017 Chapantongo	027 Huehuetla	037 Metzquititán	047 Pacula	057 Singuilucan	067 Tezontepec de Aldama	077 Tulancingo de Bravo	
008 Apan	018 Chapulhuacán	028 Huejutla de Reyes	038 Mineral del Chico	048 Pachuca de Soto (state capital)	058 Tasquillo	068 Tianguistengo	078 Xochiatipan	
009 El Arenal	019 Chilcuautla	029 Huichapan	039 Mineral del Monte	049 Pisaflores	059 Tecozautla	069 Tizayuca	079 Xochicoatlán	
010 Atlatlaquia	020 Eloxochitlán	030 Ixmiquilpan	040 La Misión	050 Progreso de Obregón	060 Tenango de Doria	070 Tlahuelliapan	080 Yahualica	

Source: own elaboration based on level of marginalization 2000 (CONAPO), (INEGI) www.conapo.gob.mx, www.inegi.gob.mx

Map 4. The level of marginalization of 2010 in the state Hidalgo, Mexico



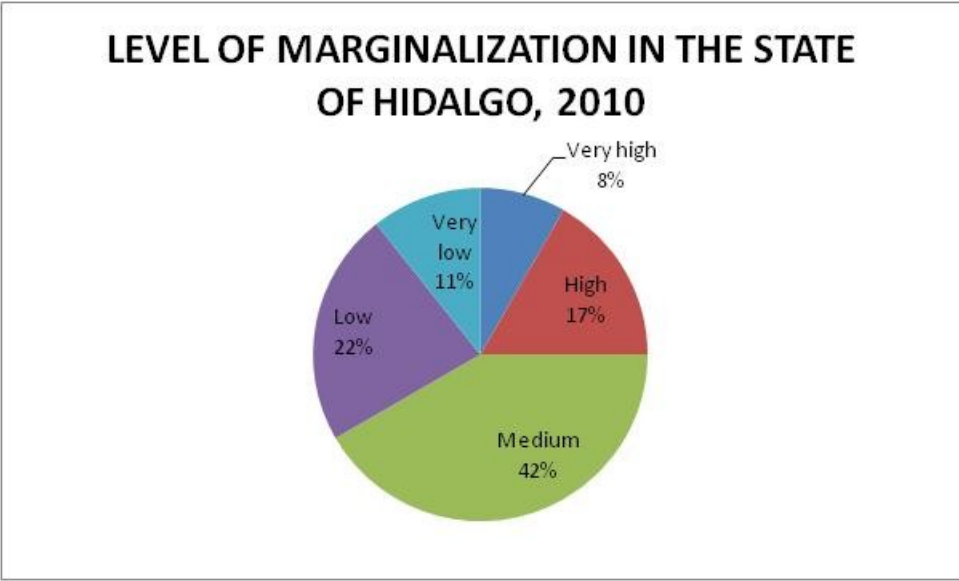
GRAPH 7. LEVEL OF MARGINALIZATION IN THE STATE OF HIDALGO, MEXICO. 2000



Source: own elaboration based on level of marginalization 2000-2010 (CONAPO) www.conapo.gob.mx

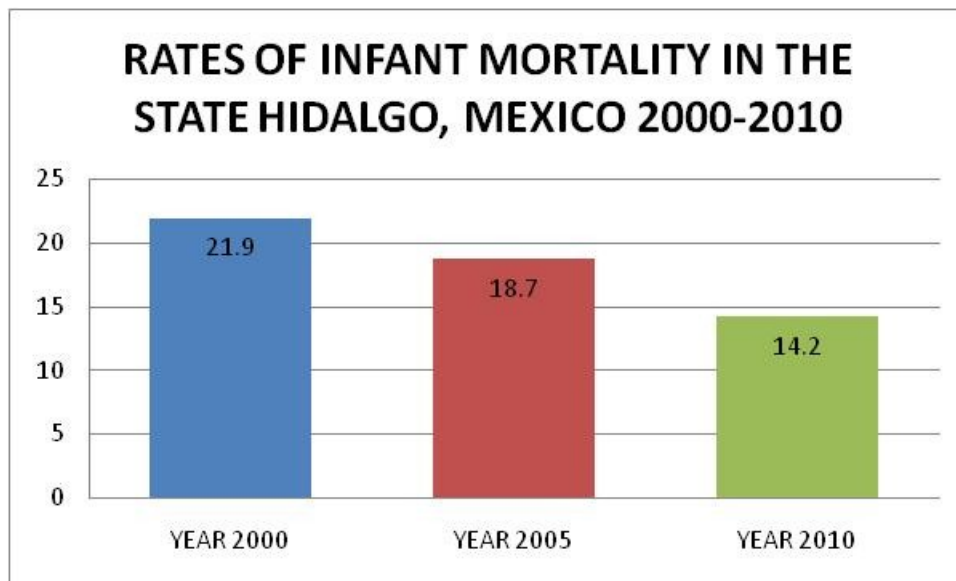
In 2000, 38% had a high level of marginalization in the state of Hidalgo, and only 11% had a very low level, however in 2010, the average rose 23% and decreased high 21%, very high level only decreased by 3% in 10 years.

GRAPH 8. LEVEL OF MARGINALIZATION IN THE STATE OF HIDALGO, MEXICO. 2010



Source: own elaboration based on level of marginalization 2000-2010 (CONAPO) www.conapo.gob.mx

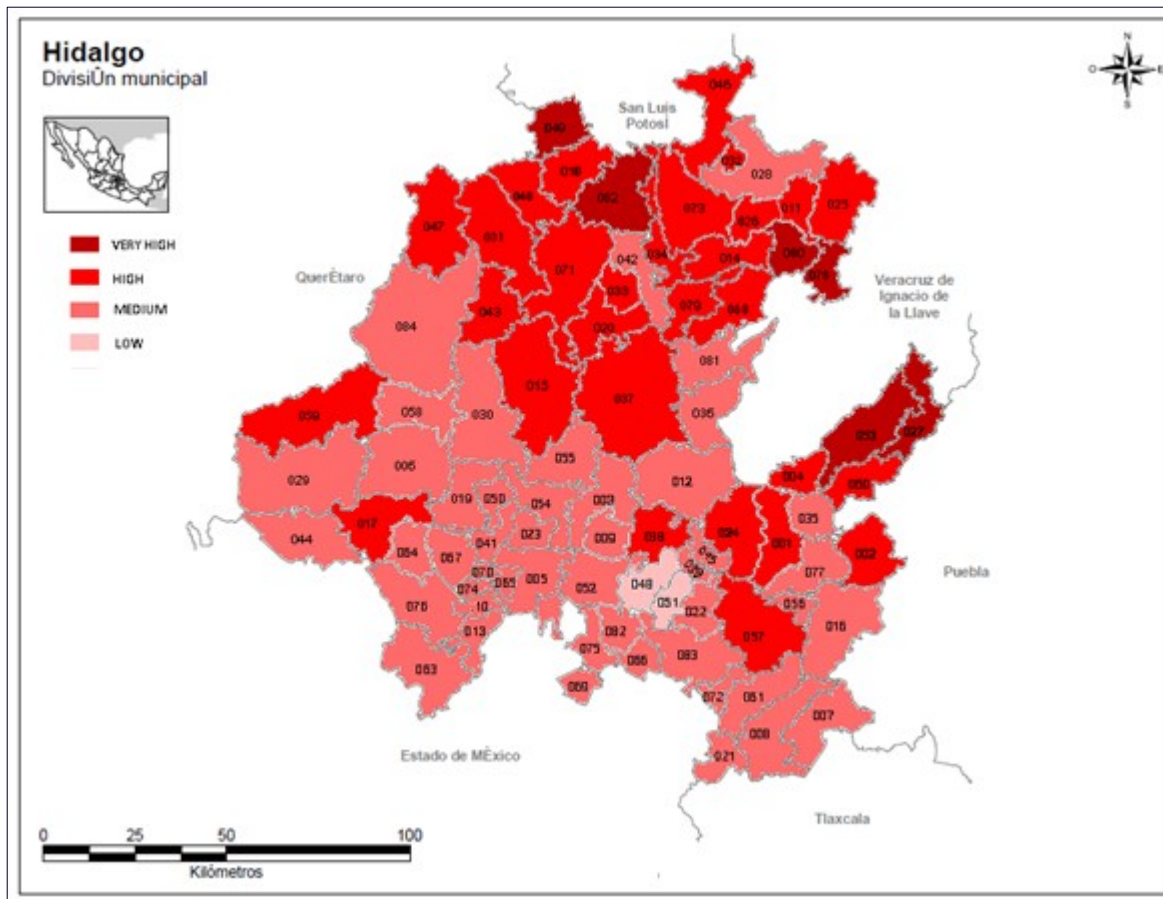
GRAPH 9. LEVEL OF MARGINALIZATION IN THE STATE OF HIDALGO, MEXICO. 2010



Source: own elaboration based on INEGI. <http://www.inegi.org.mx> (revised December 2011)

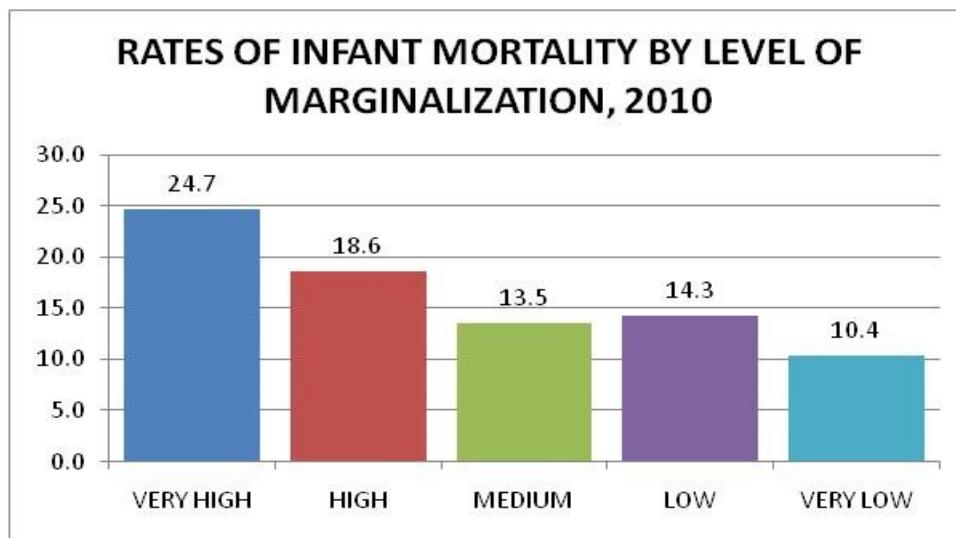
In the state of Hidalgo, infant mortality rates in ten years, have fallen only 8 deaths per thousand live births.

MAP 5. RATES OF INFANT MORTALITY IN THE STATE HIDALGO, MEXICO 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI)

GRAPH 10. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION 2010

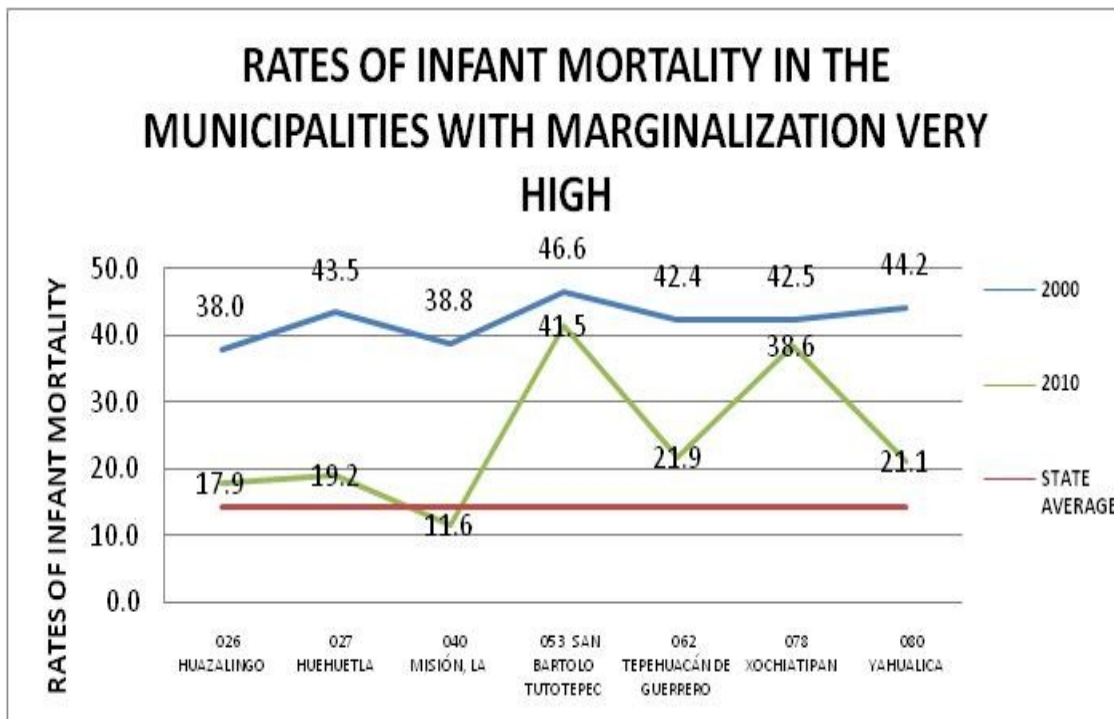


Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

Infant mortality rates are related to levels of marginalization among higher level of marginalization in the municipality have higher infant mortality rate, except for the low level, which has a higher rate than the average level in lower average rate is 10 deaths per thousand live births.

The following graphic will be infantile mortality rates with the level of marginalization in the state of Hidalgo, for 2000 and 2010

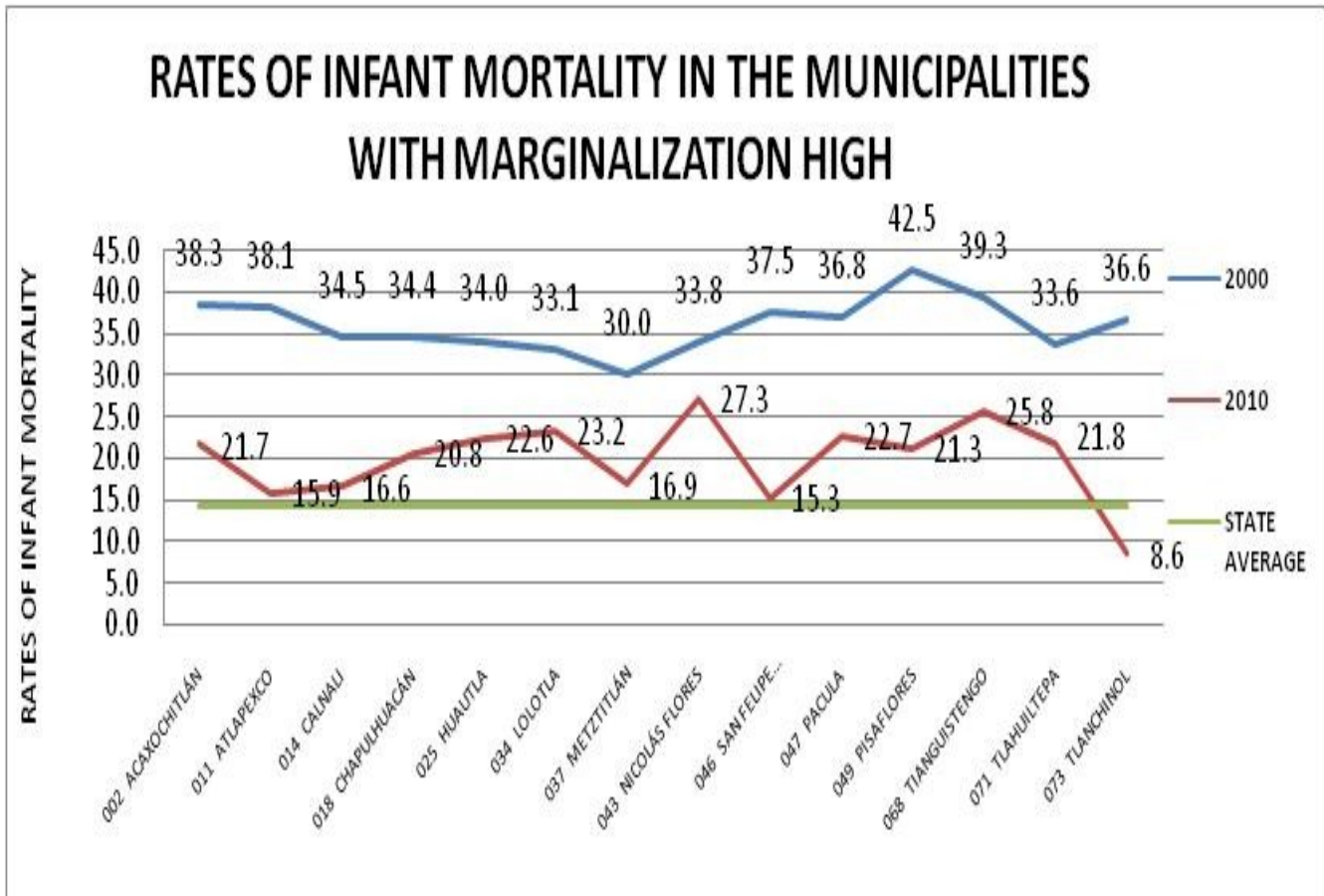
GRAPH 11. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION VERY HIGH 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

The infant mortality rate highest in the state of Hidalgo, located in San Bartolo Tutotepec, which in 2000 was 47 deaths per thousand live births and by 2010, 41 deaths in ten years only dropped 6 deaths per thousand live births. Municipalities with a high level of marginalization are above the state average, except for La Mision, who is 12 deaths per thousand live births. the infant mortality rate in the state is 14 deaths per thousand live births.

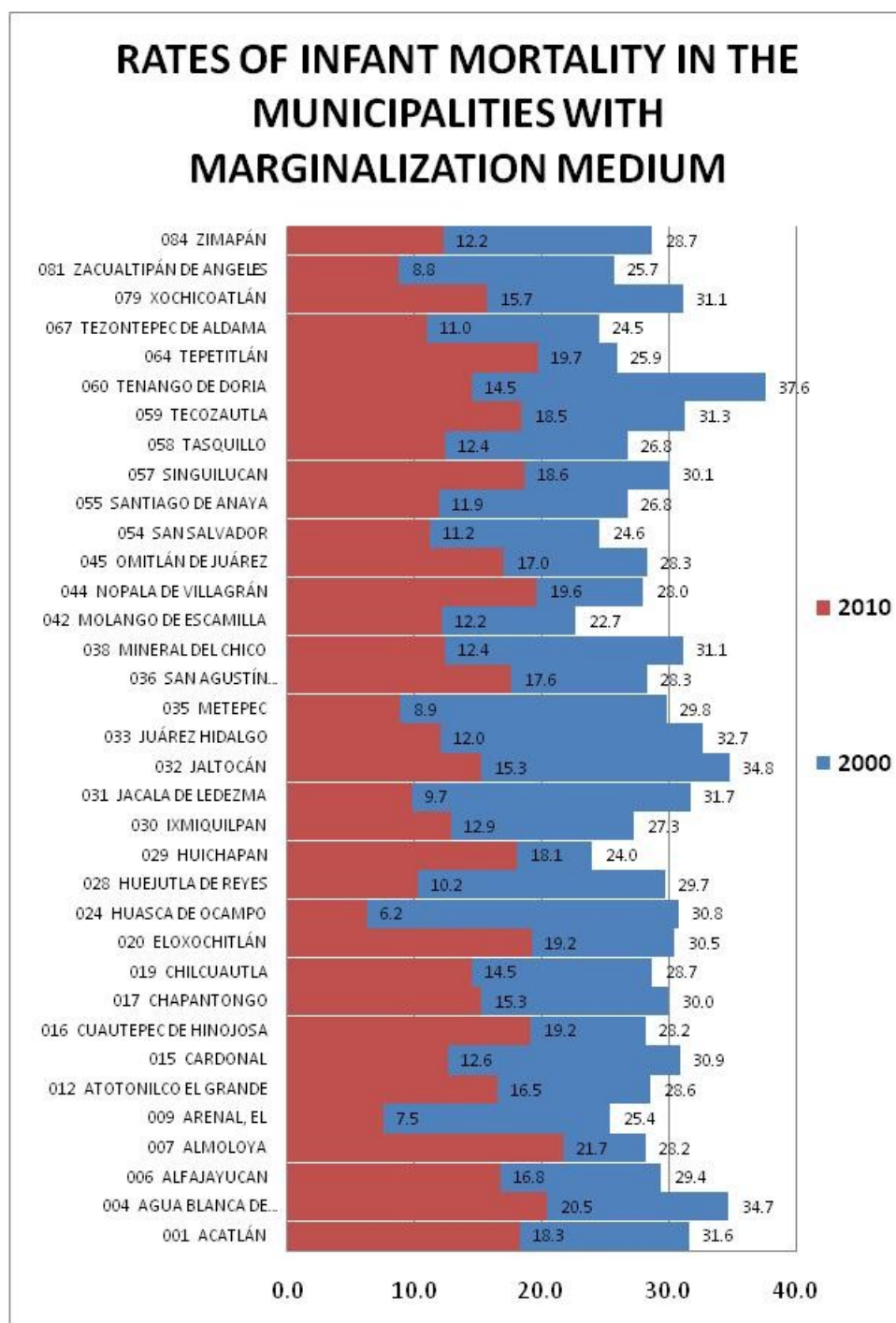
GRAPH 12. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION HIGH 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

In municipalities where the marginalization is high mortality rate was more elevated Nicolas Flores in 2010, with 27 deaths per thousand live births. And in 2000 Pisaflores with 42 deaths per thousand live births.

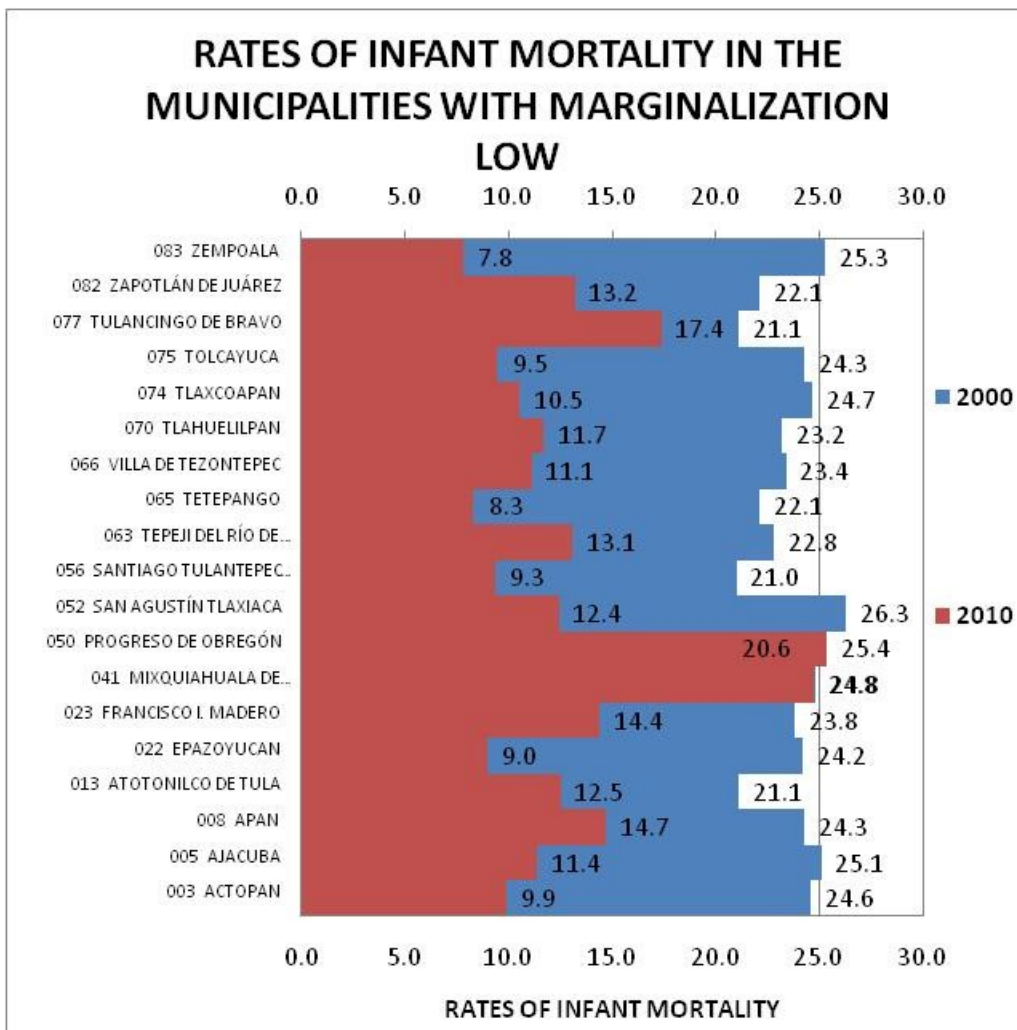
GRAPH 13. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION
MEDIUM 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

In Hidalgo 35 municipalities are in medium marginalization, in 2000 the municipality with the highest rate was Tenango de Doria, in 2010 Almoloya is the municipalities where 22 children die per thousand live births.

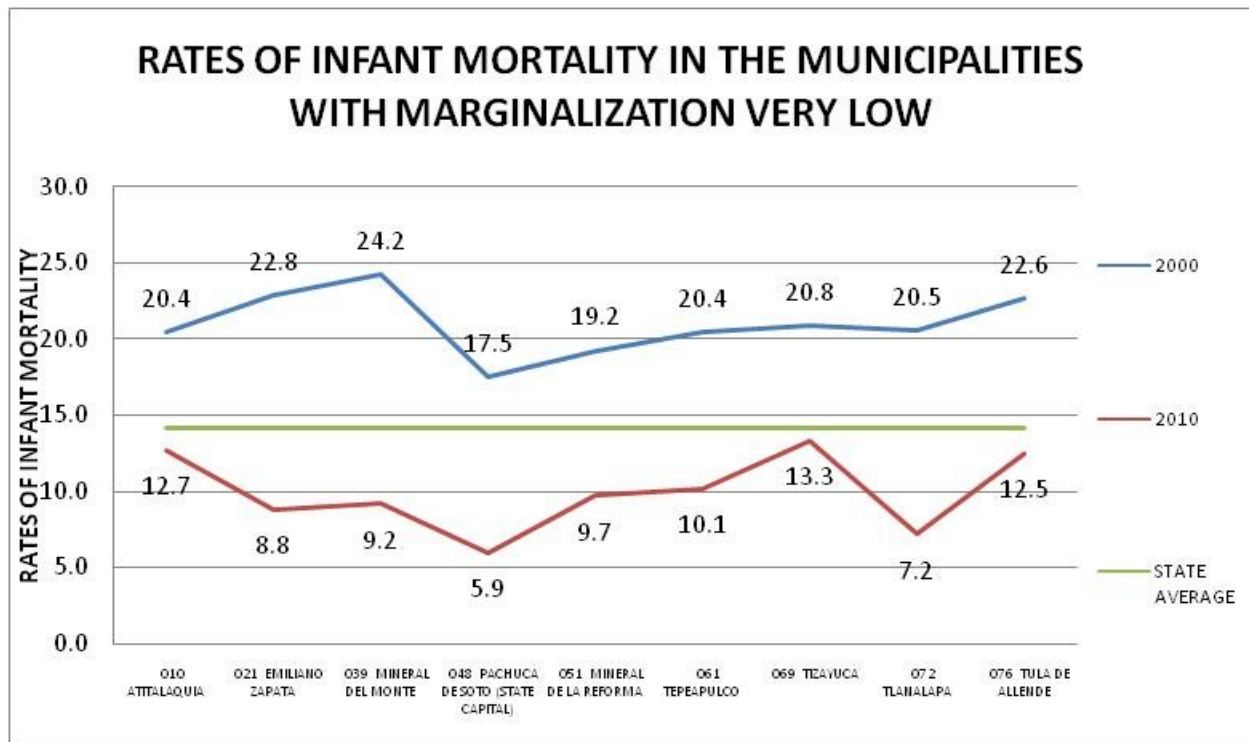
GRAPH 14. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION LOW 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

However if municipalities with low marginality, their infantile mortality rates have increased, such that increased Obregon Progressive 5 deaths per thousand live births. And others that have fallen a example Zempoala is 8 deaths per thousand live births.

GRAPH 15. THE RATES OF INFANT MORTALITY BY LEVEL OF MARGINALIZATION VERY LOW 2010



Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

In municipalities where the level of marginalization is very low, infant mortality rates are below average in the state of Hidalgo. The state capital has the infant mortality rate lower, only 6 deaths per thousand live births.

TABLE 1. MUNICIPALITIES WITH THEIR MARGINALIZATION VERY HIGH IN THE STATE OF HIDALGO
2000-2010

Municipalities with marginalization very high in state Hidalgo, Mexico 2000												
Municipality	Total population	% Illiterate population aged 15 and over	% Population without complete primary 1.5 years or more	% Occupants in houses without drainage or sanitary service exclusive	% Occupants in dwellings without electricity	% Occupants in houses without running water	% Households with some level of overcrowding	% Occupants in houses with dirt floors	% Population in localities with less than 5,000 people	% Employed population with income of up to 2 minimum wages	The Place in the Statewide Context	
San Bartolo Tutotepec	18 650	43.89	68.36	36.3	38.58	41.65	71.46	66.32	100	86.79	1	
Yahualica	20 727	46.11	65.08	21.3	13.97	70.49	67.23	69.81	100	93.7	2	
Huehuetla	25 098	40.92	65.11	32.75	18.8	54.39	75.14	56.53	100	92.21	3	
Xochiatipan	16 977	41.12	65.25	10.85	12.77	67.39	72.84	64.23	100	93.62	4	
Tepehuacán de Guerrero	25 880	38.34	64.07	7.7	40.43	53.51	70.51	53.6	100	89.14	5	
Huazalingo	11 130	33.88	54.17	36.02	35.37	27.99	71.61	53.34	100	91.99	6	
Tiangüstengo	13 590	35.09	63.25	11.23	40.08	40.7	62.81	42.02	100	84.84	7	
Pisaflores	16 530	30.14	60.73	14.16	37.85	36.75	65.34	43.64	100	89.11	8	
Misión, La	11 051	32.32	66.22	15.26	29.94	63.72	56.15	28.42	100	91.21	9	
Municipalities with marginalization very high in state Hidalgo, Mexico 2010												
San Bartolo Tutotepec	18137	34.3	51.6	12.0	22.1	33.7	56.8	28.0	100	67.9	1	No change
Xochiatipan	19067	31.5	47.8	12.7	6.6	49.0	61.5	19.4	100	85.2	2	Increase
Huehuetla	23563	33.5	50.8	8.6	10.0	47.3	58.0	8.5	100	79.0	3	No change
Tepehuacán de Guerrero	29125	29.8	47.2	2.2	12.2	49.5	60.2	11.0	100	83.8	4	Decreased
Yahualica	23607	35.0	48.7	4.1	3.9	42.9	56.4	9.8	100	85.6	5	Decreased
Huazalingo	12779	24.8	39.5	8.5	3.9	22.9	55.9	32.9	100	82.7	6	No change
La Misión	10452	24.7	49.5	8.1	2.9	64.8	42.4	3.6	100	88.5	7	Increase

Source: own elaboration based levels of marginalization 2000-2010 CONAPO

The high level of marginalization, in 2000 there were 9 municipalities in 2010 and were only 7, in some no change, others increased level of marginalization, that is if it has a place San Bartolo Tutotepec is the municipality that greater gaps in education, housing, income, population distribution has. Most municipalities in this level of marginalization had no change.

TABLE 2. MUNICIPALITIES WITH THEIR MARGINALIZATION HIGH IN THE STATE OF HIDALGO 2000-2010

Municipalities with marginalization high in state Hidalgo, Mexico 2000												
Municipality	Total population	% Illiterate population aged 15 and over	% Population without complete primary 15 years or more	% Occupants in houses without drainage or sanitary service exclusive	% Occupants in dwellings without electricity	% Occupants in houses without running water	% Households with some level of overcrowding	% Occupants in houses with dirt floors	% Population in localities with less than 5 000 people	% Employed population with income of up to 2 minimum wages	The Place in the Statewide Context	
Atlapexco	18 029	37.28	51.13	34.12	9.21	58.65	61.21	53.02	100	83.57	10	
San Felipe Orizatlán	37 685	35.41	58.08	23.18	8.56	48.22	63.62	54.27	83.66	88.74	11	
Pacula	5 583	26.23	63.86	38.85	16.66	54	52.32	35.92	100	84.46	12	
Tlanchinol	32 265	30.12	52.85	10.34	24.61	28.28	68.7	51.62	100	89.03	13	
Acaxochitlán	36 978	31.39	54.42	33.44	8.5	36.3	74	44.54	100	77.12	14	
Tenango de Doria	17 175	30.77	57.35	23.21	17.81	25.17	67.85	35.36	100	79.95	15	
Huautla	23 339	28.28	50.69	5.89	6.05	70.52	51.05	58.47	100	87.61	16	
Jaltocán	10 100	40.05	55.08	24.97	8.17	26.13	64.26	42.99	47.01	86.66	17	
Agua Blanca de Iturbide	8 515	26.95	53.2	16.5	41.7	19.29	60.82	27.06	100	75.75	18	
Tlahuiltepa	10 425	24.7	58.22	13.66	23.21	36.11	54.49	27.97	100	90.93	19	
Calnali	16 381	29.71	57.98	15.93	10.85	31.71	59.26	39.45	100	83.1	20	
Chapulhuacán	20 362	27.11	55.34	9.91	18.87	40.82	59.51	29.15	100	86.22	21	
Nicolás Flores	6 838	21.84	45.48	24.03	30.43	26.13	58.93	37.47	100	80.1	22	
Lolotla	9 867	24.58	49.58	5.23	15.63	25.07	63.74	40.05	100	84	23	
Huejutla de Reyes	108 239	29.54	44.82	20.7	11.49	51.97	60.17	43.41	68.46	71.97	24	
Mineral del Chico	7 013	18.93	46.89	40.68	21.48	24.22	54.43	35.16	100	76.54	25	
Metztitlán	20 599	20.35	50.02	27.06	14.99	20.49	53.08	36.66	100	81.09	26	
Acatlán	18 619	22.66	53.04	35.18	13.51	18.65	59.57	11.36	100	73.4	27	
Tecoautla	30 970	21.03	44.16	49.54	9.95	8.89	56.93	17.14	100	81.52	28	
Juárez Hidalgo	3 207	22.67	50.97	11.28	9	24.78	50.64	32.53	100	82.24	29	
Xochicoatlán	7 519	22.03	50.6	6.9	13.06	12.46	53.72	33.07	100	85.43	30	
Cardonal	16 943	22.04	39.7	41.73	14.45	7.54	53.48	31.45	100	73.95	31	
Alfajayucan	17 018	20.27	47.66	50.38	11.28	4.45	49.88	13.49	100	81.66	32	
Huasca de Ocampo	15 308	16.14	45.21	43.92	16.12	7.79	57.17	16.7	100	77.05	33	
Eloxochitlán	3 044	21.44	51.32	9.08	6.55	7.26	48.03	37.62	100	88.05	34	
Molango de Escamilla	10 769	16.84	44.71	9.18	14.53	30.96	50.97	34.68	100	75.6	35	
Singuilucan	13 269	18.77	42.89	35.54	11.28	9.72	60.19	13.14	100	76.3	36	
Chapantongo	11 257	15.28	47.01	54.05	6.67	7.19	47.39	10.34	100	85.01	37	
Jacala de Ledezma	12 895	22.39	51.21	16.18	8.18	28.73	48.38	18.6	100	75.06	38	
Metepc	10 200	16.32	43.08	17.51	17.47	5.37	63.01	21.28	100	75.25	39	
Nopala de Villagrán	14 762	13.71	45.91	44.73	11.7	5.05	45.76	6.76	100	80.09	40	
Chilcuaatla	15 069	17.2	38.62	34.46	4.86	4.09	54.05	19.34	100	78.76	41	
Municipalities with marginalization high in state Hidalgo, Mexico 2010												
Pacula	5049	21.06	45.76	25.51	6.03	55.62	38.85	5.81	100	71.07	8	Increase
Acaxochitlán	40583	23.86	40.60	12.40	5.72	31.13	63.19	12.42	100	60.70	9	Increase
Pisaflores	18244	22.03	41.06	7.37	4.48	30.36	52.19	6.53	100	88.76	10	Decreased
Huautla	22621	23.22	39.00	1.17	2.01	43.91	38.46	27.44	100	79.76	11	Increase
Tiangustengo	14037	27.67	45.71	3.43	3.15	24.53	52.19	5.83	100	78.46	12	Decreased
San Felipe Orizatlán	39181	26.86	42.89	6.70	1.66	13.69	46.39	28.90	82.94	76.66	13	Decreased
Calnali	16962	23.75	44.26	2.00	5.98	4.53	45.23	18.46	100	85.15	14	Increase
Tlahuiltepa	9753	19.71	45.84	3.79	16.04	23.10	38.52	5.12	100	79.25	15	Increase
Tlanchinol	36382	21.08	36.73	1.53	4.36	16.24	57.35	26.78	85.71	73.58	16	Decreased
Chapulhuacán	22402	20.48	39.18	3.26	5.93	20.20	48.28	17.37	100	75.98	17	Increase
Atlapexco	19452	26.83	37.06	8.59	3.12	34.91	48.59	3.99	100	68.19	18	Decreased
Metztitlán	21623	15.52	36.36	12.32	6.57	15.99	39.77	20.63	100	76.18	19	Increase
Nicolás Flores	6614	15.21	30.94	11.49	5.31	23.74	42.97	15.92	100	79.29	20	Increase
Lolotla	9843	20.45	36.32	1.75	3.41	19.02	49.55	17.41	100	67.69	21	Increase

The higher the level of marginalization highest is it's lack.

Source: own elaboration based levels of marginalization 2000-2010 CONAPO

In municipalities with a high level of marginalization, most increases the level of marginalization, 9 municipalities are those that increased, for example Pacula in 2000 was the

number 12 of 84 municipalities marginalized, and in 2010 increased to be the number 8 . Only five municipalities have fallen in the state rather than marginalization.

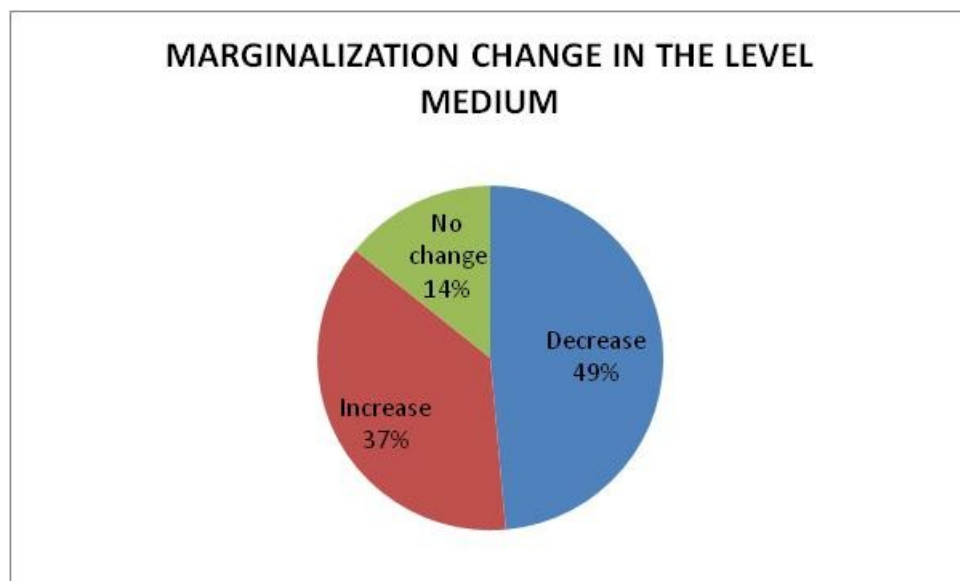
TABLE 3. MUNICIPALITIES WITH THEIR MARGINALIZATION MEDIUM IN THE STATE OF HIDALGO 2000-2010

Municipalities with marginalization medium in state Hidalgo, Mexico 2000												
Municipality	Total population	% Illiterate population aged 15 and over	% Population without complete primary 15 years or more	% Occupants in houses without drainage or sanitary service exclusive	% Occupants in dwellings without electricity	% Occupants in houses without running water	% Households with some level of overcrowding	% Occupants in houses with dirt floors	% Population in localities with less than 5 000 people	% Employed population with income of up to 2 minimum wages	The Place in the Statewide Context	
Atotonilco el Grande	25 423	16.52	44.04	35.13	14.01	12.55	50.7	16.27	74.36	70.5	42	
Santiago de Anaya	13 582	15.6	35.74	29.06	7.27	1.11	54.03	20.98	100	78.94	43	
Omitlán de Juárez	8 022	14.76	34.51	35.12	4.34	5.34	56.16	21.44	100	74.53	44	
San Agustín Metzquititlán	8 803	12.47	39.63	17.52	10.81	4.32	49.56	22.79	100	84.2	45	
Almoloya	10 290	15.05	38.83	18.84	5.98	2.92	58.85	21.35	100	76.38	46	
Cuautepec de Hinojosa	45 110	16.44	40.7	31.49	6.79	6.66	59.77	18.63	65.2	73.64	47	
Zimapán	37 435	13.46	37.25	34.48	8.95	37.64	46.29	16.48	68.43	65.18	48	
Tasquillo	16 648	15.53	36.94	36.84	4.64	3.55	48.21	15.49	100	71.18	49	
Arenal, El	14 223	10.74	31.71	29.88	6.14	14.08	53.41	16.2	100	72.46	50	
San Salvador	28 980	11.72	28.23	26.79	4.53	0.78	53.18	20.29	100	70.54	51	
Huichapan	38 044	11.23	36.31	36.81	4.94	1.48	48.34	8.3	79.96	68.35	52	
Tepetitlán	8 498	9.17	35.35	25.7	6.83	2.28	47.3	7.69	100	70.36	53	
San Agustín Tlaxiaca	24 248	11.3	33.6	30.95	3.81	8.99	55.29	11.42	65.61	64.86	54	
Epazoyucan	11 054	10.73	32.78	18.98	5.5	4.42	48.88	10.6	100	70.28	55	
Ixmiquilpan	75 833	13.88	31.81	21.93	3.56	10.08	49.38	12.87	59.34	66.41	56	
Zacualtipán de Ángeles	24 933	13.82	34.96	6.99	6.37	10.61	53.59	20.35	34.96	66.2	57	
Municipalities with marginalization medium in state Hidalgo, Mexico 2010												
Tenango de Doria	17206	23.38	41.51	5.26	4.39	13.97	48.87	5.01	100	65.74	22	Decreased
Xochicoatlán	7320	17.46	36.95	2.45	5.48	6.75	43.59	12.79	100	86.24	23	Increase
Jaltocán	10933	30.19	40.23	4.41	2.86	9.46	48.41	8.10	43.28	76.11	24	Decreased
Agua Blanca de Iturbide	8994	17.44	36.32	5.33	9.69	9.28	46.67	10.36	100	64.29	25	Decreased
Jacala de Ledezma	12804	16.70	37.35	6.45	4.49	26.28	33.10	9.79	100	69.80	26	Increase
Huejutla de Reyes	122905	21.55	32.20	7.65	1.97	17.38	47.53	22.63	67.44	55.20	27	Decreased
Eloxochitlán	2800	16.03	37.69	4.84	3.06	6.68	35.29	11.58	100	82.77	28	Increase
Acatlán	20077	15.57	37.38	19.00	4.96	19.91	44.27	4.49	100	50.96	29	Decreased
Molango de Escamilla	11209	13.70	32.59	3.83	6.65	18.23	42.65	14.43	100	65.97	30	Increase
Mineral del Chico	7980	13.33	31.64	18.60	6.68	14.90	43.40	11.28	100	50.47	31	Decreased
Chapantongo	12271	11.13	31.66	28.77	4.20	1.65	38.58	4.99	100	71.92	32	Increase
Alfajayucan	18879	13.38	30.43	24.15	3.44	2.09	38.07	6.28	100	73.95	33	Decreased
Cardonal	18427	15.62	27.85	13.88	2.96	7.14	38.48	14.50	100	65.53	34	Decreased
Tecoautla	35067	14.06	28.72	20.36	2.71	3.98	44.79	8.73	83.33	68.81	35	Decreased
Juárez Hidalgo	3193	16.54	37.99	3.23	1.79	2.04	36.14	6.27	100	76.39	36	Decreased
Singuilucan	14851	12.09	30.73	12.81	3.79	5.71	47.13	4.19	100	60.43	37	Decreased
Nopala de Villagrán	15666	9.57	31.87	25.74	3.84	4.09	37.09	3.70	100	62.85	38	Increase
San Agustín Metzquititlán	9364	8.33	25.85	6.75	5.69	1.88	39.92	11.96	100	75.62	39	Increase
Huasca de Ocampo	17182	9.56	31.21	21.22	5.93	2.86	44.56	6.53	100	46.86	40	Decreased
Chilcuaula	17436	11.09	24.26	15.25	1.74	1.95	37.91	8.61	100	74.59	41	No change
Atotonilco el Grande	26940	11.71	30.65	16.34	4.48	10.03	40.98	6.06	73.05	57.93	42	No change
Omitlán de Juárez	8963	9.53	24.01	17.01	2.45	3.78	45.14	7.90	100	57.53	43	Increase
Cuautepec de Hinojosa	54500	11.86	28.68	14.32	3.65	4.13	46.55	7.37	65.44	58.97	44	Increase
Tasquillo	16865	11.62	26.75	18.23	2.31	2.23	34.08	9.04	100	60.23	45	Increase
Metepc	11429	11.66	28.82	6.59	4.30	3.97	48.45	5.22	100	49.97	46	Decreased
Almoloya	11294	10.32	23.82	7.15	1.84	1.42	47.57	6.55	100	65.41	47	Decreased
Santiago de Anaya	16014	9.29	21.67	10.70	2.53	0.57	38.63	5.69	100	62.04	48	Decreased
Zimapán	38516	9.60	25.48	12.47	2.62	23.32	36.89	7.27	65.62	48.16	49	Decreased
El Arenal	17374	6.91	19.36	10.95	2.72	13.14	42.63	6.80	100	44.61	50	No change
Tepetitlán	9940	5.85	22.26	10.80	4.30	1.01	33.16	5.71	100	60.43	51	Increase
Huichapan	44253	8.01	23.99	14.52	1.84	1.11	37.04	3.25	79.55	55.57	52	No change
Tezontepec de Aldama	48025	7.40	21.14	7.17	1.97	1.00	40.90	5.25	74.32	61.93	53	Increase
San Salvador	32773	7.49	17.65	9.04	1.39	0.89	36.94	6.70	100	54.85	54	Decreased
Zacualtipán de Ángeles	32437	9.94	24.84	2.03	2.24	5.35	45.45	9.44	28.71	53.42	55	Increase
Ixmiquilpan	86363	9.88	21.01	6.65	1.23	5.88	37.22	7.61	59.69	53.78	56	No change

Source: own elaboration based levels of marginalization 2000-2010 CONAPO

At the level of marginalization average only 14% of the municipalities retain their same marginalization, almost half reduces marginalization, and only 37% increases the marginalization.

GRAPH 16. MARGINALIZATION CHANGE IN THE LEVEL MEDIUM 2000 - 2010



Source: own elaboration based levels of marginalization 2000-2010 CONAPO

TABLE 4. MUNICIPALITIES WITH THEIR MARGINALIZATION LOW IN THE STATE OF HIDALGO 2000-2010

Municipalities with marginalization low in state Hidalgo, Mexico 2000												
Municipality	Total population	% Illiterate population aged 15 and over	% Population without complete primary 15 years or more	% Occupants in houses without drainage or sanitary service exclusive	% Occupants in dwellings without electricity	% Occupants in houses without running water	% Households with some level of overcrowding	% Occupants in houses with dirt floors	% Population in localities with less than 5 000 people	% Employed population with income of up to 2 minimum wages	The Place in the Statewide Context	
Zempoala	24 516	10.7	30.66	15.01	3.76	1.94	50.6	7.97	77.5	67.04	58	The higher the level of marginalization highest is it's lack.
Ajacuba	14 507	12.9	38.65	19.15	2.31	0.64	41.4	9.12	56.9	70.02	59	
Tezontepec de Aldama	38 718	10.82	32.8	23.55	2.64	1.3	55.78	10.73	19.13	71.69	60	
Francisco I. Madero	28 492	11.49	29.49	10.85	3.12	0.88	45.46	14.44	66.59	62.66	61	
Tolcayuca	11 317	10.36	27.92	5.46	1.12	1.11	55.6	7.95	50	68.11	62	
Actopan	46 010	9.03	25.44	14.98	5.5	5.13	46.74	14.46	44.8	62.67	63	
Santiago Tulantepec de Lugo Guerrero	26 254	9.27	27.89	10.14	4.67	5.88	51.7	8.19	43.53	61.12	64	
Villa de Tezontepec	8 982	8.65	28.35	6.69	2.18	1.75	55.88	7.31	43.29	64.21	65	
Tlahuelilpan	13 936	7.56	28.1	6.79	2.05	1.09	53.9	7.07	44.6	67.04	66	
Apan	39 513	9.91	27.74	6.39	5.06	1.34	47.67	7.68	36.43	64.75	67	
Mixquiahuala de Juárez	35 065	8.57	27.98	11.2	1.91	1.03	45.66	8.37	38.82	66.83	68	
Tepeji del Río de Ocampo	67 858	7.55	27.48	18.64	2.54	11.35	48.8	5.66	53.99	48.6	69	
Mineral del Monte	12 885	6.83	22.01	12.49	0.88	15.4	51.73	7.97	20.54	62.83	70	
Tlaxcoapan	22 641	7.02	27.78	5.28	2.71	0.25	53.09	8.17	19.91	66.04	71	
Atotonilco de Tula	24 848	6.69	25.34	12.65	2.62	6.28	44.47	2.73	72.01	51.09	72	
Tetepango	8 935	10.29	31.41	18.45	1.29	0.12	42.6	5.57	22.6	55.23	73	
Zapotlán de Juárez	14 888	8.15	26.02	7.88	2.44	1.15	50.87	4.74	0.45	68.53	74	
Tulancingo de Bravo	122 274	9.38	25.74	6.15	1.71	4.56	47.68	6.94	18.17	59.8	75	
Progreso de Obregón	19 041	8.27	25.18	7.59	2.94	0.42	45.61	9.41	17.54	61.79	76	
Municipalities with marginalization low in state Hidalgo, Mexico 2010												
Epazoyucan	13830	6.76	20.57	8.08	2.55	1.87	37.64	3.47	100.00	44.42	57	Decreased
San Agustín Tlaxiaca	32057	7.03	21.24	10.75	2.10	5.74	41.34	4.52	67.26	42.67	58	Decreased
Villa de Tezontepec	11654	6.00	18.40	2.39	1.74	1.00	46.26	4.02	55.26	48.62	59	Increase
Ajacuba	17055	8.48	24.75	6.04	1.32	0.34	31.77	4.37	57.52	48.23	60	Decreased
Apan	42563	6.99	18.68	2.54	1.91	0.75	37.56	4.21	37.41	54.12	61	Increase
Actopan	54299	5.71	16.11	5.37	3.35	2.73	35.05	5.21	46.18	50.38	62	Increase
Tlahuelilpan	17153	5.15	18.63	1.79	1.10	1.14	39.92	2.87	50.46	51.29	63	Increase
Santiago Tulantepec de Lugo Guerrero	33495	6.82	19.05	2.77	1.55	6.95	38.55	3.20	52.00	41.38	64	No change
Zapotlán de Juárez	18036	5.39	17.70	2.04	0.92	2.26	38.32	2.70	53.04	50.25	65	Increase
Tepeji del Río de Ocampo	80612	5.26	17.42	6.90	1.53	8.17	36.90	2.78	57.64	38.22	66	Increase
Francisco I. Madero	33901	7.13	18.15	3.24	1.49	0.26	33.29	4.24	49.81	48.91	67	Decreased
Zempoala	39143	5.88	15.83	3.81	1.53	2.41	34.24	3.13	69.33	44.46	68	Decreased
Mixquiahuala de Juárez	42834	6.51	18.39	3.29	1.59	1.45	33.51	4.31	40.44	50.68	69	Decreased
Tetepango	11112	8.22	21.34	5.39	2.01	0.07	34.46	5.14	21.66	44.85	70	Increase
Tolcayuca	13228	5.74	17.52	1.13	0.53	0.24	41.12	3.01	48.32	44.76	71	Decreased
Tlaxcoapan	26758	5.51	18.57	1.77	0.93	0.29	39.70	3.19	20.37	48.48	72	Decreased
Atotonilco de Tula	31078	4.47	16.69	4.94	0.91	5.99	32.71	1.30	73.76	29.58	73	Decreased
Tulancingo de Bravo	151584	7.22	18.01	1.62	1.35	4.30	36.29	3.83	16.28	40.48	74	Increase
Progreso de Obregón	22217	5.52	15.89	1.99	2.12	0.57	32.39	4.51	21.29	48.86	75	Increase

Source: own elaboration based levels of marginalization 2000-2010 CONAPO

Marginalization in low, down 9 municipalities, other 9 increase, and 5 remain unchanged

TABLE 5. MUNICIPALITIES WITH THEIR MARGINALIZATION LOW IN THE STATE OF HIDALGO 2000-2010

Municipalities with marginalization very low in state Hidalgo, Mexico 2000												
Municipality	Total population	% Illiterate population aged 15 and over	% Population without complete primary 15 years or more	% Occupants in houses without drainage or sanitary service exclusive	% Occupants in dwellings without electricity	% Occupants in houses without running water	% Households with some level of overcrowding	% Occupants in houses with dirt floors	% Population in localities with less than 5 000 people	% Employed population with income of up to 2 minimum wages	The Place in the Statewide Context	
Atitalaquia	21 636	6.71	23.76	6.89	1.98	1.04	41.41	5.16	46.48	55.81	77	
Emiliano Zapata	12 281	6.63	22.35	2.8	0.92	0.32	45.7	4.96	33.91	61.47	78	
Tula de Allende	86 840	5.2	22.28	11.64	2.32	6.96	39.1	3.48	32.11	49.89	79	
Tizayuca	46 344	5.09	19.7	2.59	1.25	1.64	46.59	5.02	28.4	53.51	80	
Tlanalapa	9 839	6.52	18	5.32	2.72	1.3	36.2	3.2	27.56	53.6	81	
Tepeapulco	49 539	6.14	18.9	4.04	1.14	1.16	34.81	4.31	14.41	51.59	82	
Mineral de la Reforma	42 223	3.99	13.63	3.5	1.42	3.48	33.97	4.39	29.43	41.7	83	
Pachuca de Soto	245 208	3.94	13.17	1.68	0.92	1.15	31.11	3.8	5.55	44.86	84	
Municipalities with marginalization very low in state Hidalgo, Mexico 2010												
Mineral del Monte	13864	4.21	14.07	4.17	0.49	9.13	39.00	3.41	20.55	38.64	76	Decreased
Emiliano Zapata	13357	5.10	15.92	0.60	0.33	0.10	36.48	2.00	34.70	43.97	77	Increase
Tula de Allende	103919	3.75	14.56	4.43	0.92	9.04	28.60	2.02	38.51	35.87	78	Increase
Tlanalapa	10248	5.38	12.81	2.28	1.79	0.91	28.77	1.92	26.64	45.55	79	Increase
Atitalaquia	26904	3.94	14.50	2.05	0.83	1.21	29.99	2.24	42.71	33.99	80	Decreased
Tizayuca	97461	2.56	10.49	0.24	0.49	0.63	38.67	2.25	16.97	35.25	81	Decreased
Tepeapulco	51664	4.75	13.88	1.85	0.68	0.90	28.05	2.04	15.22	37.36	82	No change
Mineral de la Reforma	127404	1.89	6.75	0.43	0.29	1.11	22.76	1.61	68.72	27.96	83	No change
Pachuca de Soto	267862	2.87	9.32	0.37	0.80	2.86	23.66	2.50	4.21	32.02	84	No change

Source: own elaboration based levels of marginalization 2000-2010 CONAPO

TABLE 6. AVERAGE OF EDUCATION OF MOTHERS 2010

Marginalization level 2010	Municipalities	Average of education in Hidalgo state	Marginalization level 2010	Municipalities	Average of education in Hidalgo state	Average of education
High	Tianguistengo	0,0	Low	Ajacuba	7,5	6,6
Low	Progreso de Obregón	0,0	Very low	Emiliano Zapata	7,5	
Low	San Agustín Tlaxiaca	0,0	Medium	Acatlán	8,0	
Low	Tolcayuca	0,0	Medium	Atotonilco el Grande	8,0	
Very high	San Bartolo Tutotepec	0,0	Medium	Huasca de Ocampo	8,0	
Very high	Tepehuacán de Guerrero	0,0	Medium	Xochicoatlán	8,5	
Very high	Yahualica	0,0	Very high	La Misión	8,5	
Very low	Pachuca de Soto	0,0	High	Huautla	9,0	
Very low	Tizayuca	0,0	High	Nicolás Flores	9,0	
Low	Tetepango	1,0	High	Pacula	9,0	
High	Lolotla	2,0	Low	Apan	9,0	
Medium	Jaltocán	3,0	Low	Epazoyucan	9,0	
Medium	Tepetitlán	3,0	Low	Francisco I. Madero	9,0	
Very low	Tlanalapa	3,0	Low	Mixquiahuala de Juárez	9,0	
Medium	Agua Blanca de Iturbide	3,3	Low	Santiago Tulantepec de Lugo Guerrero	9,0	
High	Acaxochitlán	3,4	Low	Tlahuelilpan	9,0	
High	Chapulhuacán	3,5	Low	Zempoala	9,0	
High	Tlanchinol	4,0	Medium	Almoloya	9,0	
Very high	Xochiatipan	4,0	Medium	El Arenal	9,0	
Very low	Tula de Allende	4,0	Medium	Cardonal	9,0	
Medium	Juárez Hidalgo	4,5	Medium	Eloxochitlán	9,0	
High	San Felipe Orizatlán	5,0	Medium	Huichapan	9,0	
Medium	San Salvador	5,0	Medium	Ixmiquilpan	9,0	
Very high	Huazalingo	5,8	Medium	Metepec	9,0	
High	Atlapexco	6,0	Medium	Nopala de Villagrán	9,0	
High	Pisaflores	6,0	Medium	Zacualtípán de Ángeles	9,0	
High	Tlahuiltontepec	6,0	Medium	Zimapán	9,0	
Low	Villa de Tezontepec	6,0	Very high	Huehuetla	9,0	
Low	Tlaxcoapan	6,0	Low	Atotonilco de Tula	9,5	
Low	Tulancingo de Bravo	6,0	Medium	Jacala de Ledezma	9,5	
Low	Zapotlán de Juárez	6,0	High	Metztitlán	10,0	
Medium	Chapantongo	6,0	Low	Actopan	10,0	
Medium	San Agustín Metzquititlán	6,0	Very low	Tepeapulco	10,1	
Medium	Molango de Escamilla	6,0	High	Calnali	10,5	
Medium	Omitlán de Juárez	6,0	Medium	Alfajayucan	10,5	
Medium	Singuilucan	6,0	Very low	Atitalaquia	10,7	
Medium	Tecoautla	6,0	Low	Tepeji del Río de Ocampo	11,0	
Medium	Tezontepec de Aldama	6,0	Very low	Mineral del Monte	11,0	
Medium	Huejutla de Reyes	6,7	Medium	Santiago de Anaya	12,0	
Medium	Chilcuautla	7,0	Medium	Tasquillo	12,0	
Medium	Tenango de Doria	7,0				
Very low	Mineral de la Reforma	7,0				
Medium	Cuautepec de Hinojosa	7,3				
Medium	Mineral del Chico	7,3				

Source: own elaboration based on Population and Housing Census 2010 (INEGI), and CONAPO classification for levels of marginalization

The average education in Hidalgo state they are 6.6 years, here are women who do not have education and other women who are 12 years of education.