

IPAG - ESTADÍSTICA DE ACCIDENTES DE LA INDUSTRIA DEL PETRÓLEO Y DEL GAS EN ARGENTINA

Empresas Operadoras													
Area de Negocios	Cantidad de Empresas	Año	Cantidad de Personal	Horas Trabajadas	Km Totales	Accidentes				ÍNDICES			
						Vehiculares	Con días perdidos	Tareas Restringidas	Fatales	Frecuencia (con días perdidos + fatales)	Frecuencia (con días perdidos + fatales + tareas restringidas)	Fatalidad	Vehiculares
Exploración y Producción	12	1999	23,653	42,254,118	42,823,721	56	254	16	2	6.06	6.44	0.047	1.31
	12	2000	26,295	48,972,059	42,297,319	37	300	22	2	6.17	6.62	0.041	0.87
	13	2001	24,951	62,400,176	147,485,648	121	291	39	5	4.74	5.37	0.080	0.82
	13	2002	24,311	59,596,395	183,175,657	267	238	37	5	4.08	4.70	0.084	1.46
	11	2003	30,758	84,529,844	221,773,292	150	248	54	8	3.03	3.67	0.095	0.68
	12	2004	43,045	91,289,882	128,302,861	159	273	47	1	3.00	3.52	0.011	1.24
	10	2005	47,449	99,274,036	242,920,528	132	244	95	4	2.50	3.46	0.040	0.54
	10	2006	40,106	100,367,738	260,465,220	109	218	95	2	3.12	3.14	0.020	0.42
	9	2007	46,250	104,395,410	191,690,998	158	204	112	1	1.96	3.04	0.010	0.82
	10	2008	48,348	111,075,269	426,442,531	158	148	97	1	1.34	2.21	0.009	0.37
	10	2009	37,694	96,815,388	306,386,953	145	117	71	1	1.22	1.95	0.010	0.47
10	2010	41,588	103,423,731	196,043,724	48	111	56	3	1.10	1.64	0.029	0.24	
11	1er. Sem 2011	41,919	53,051,390	116,285,343	14	60	32	1	1.15	1.75	0.019	0.12	
Transporte y Distribución de Crudo	1	1999	191	426,716	4,656,236	8	4	0	0	9.37	9.37	0.000	1.72
	1	2000	192	426,709	5,321,089	7	4	0	0	9.37	9.37	0.000	1.32
	1	2001	192	532,352	5,454,410	8	6	0	0	11.27	11.27	0.000	1.47
	1	2002	199	558,030	4,374,151	2	2	0	0	3.58	3.58	0.000	0.46
	1	2003	262	608,871	15,149,650	11	4	0	0	6.57	6.57	0.000	0.71
	1	2004	269	818,305	4,837,379	1	2	0	0	2.44	2.44	0.000	0.21
	1	2005	428	815,727	2,295,600	1	3	0	0	3.68	3.68	0.000	0.44
	1	2006	462	765,027	4,353,848	2	3	0	0	3.92	3.92	0.000	0.46
	1	2007	290	623,051	4,756,637	1	2	0	0	3.21	3.21	0.000	0.21
	1	2008	349	754,723	4,395,791	2	1	0	0	1.32	1.32	0.000	0.45
	1	2009	328	645,185	4,401,808	2	0	0	0	0.00	0.00	0.000	0.45
1	2010	316	972,234	6,174,701	2	0	0	0	0.00	0.00	0.000	0.32	
1	1er. Sem 2011	320	313,037	2,030,017	0	2	0	0	6.39	6.39	0.000	0.00	
Refinación	6	1999	8,055	16,338,482	10,783,191	3	69	9	0	4.22	4.77	0.000	0.28
	7	2000	8,492	15,384,418	13,348,209	15	71	9	0	4.62	5.20	0.000	1.12
	7	2001	7,333	13,726,859	14,886,682	16	94	5	2	6.99	7.36	0.146	1.07
	6	2002	6,013	12,343,959	11,603,816	8	45	6	1	3.73	4.21	0.081	0.69
	7	2003	7,250	14,671,710	8,659,712	13	46	2	0	3.14	3.27	0.000	1.50
	6	2004	6,510	14,990,791	5,819,903	6	40	12	1	2.74	3.54	0.067	1.03
	6	2005	7,606	17,323,578	17,325,583	9	53	14	1	3.12	3.93	0.058	0.51
	6	2006	8,757	20,982,808	4,095,247	2	31	30	3	1.62	3.05	0.143	1.24
	4	2007	8,586	19,594,794	14,201,525	8	49	10	3	2.65	3.16	0.153	0.56
	3	2008	10,139	23,200,647	31,303,239	7	21	14	1	0.95	1.55	0.043	0.22
	3	2009	8,126	18,749,788	21,462,133	2	16	28	1	0.91	2.40	0.053	0.09
3	2010	11,344	18,587,995	1,888,718	0	19	23	0	1.02	2.26	0.000	0.00	
3	1er. Sem 2011	8,328	8,765,955	928,343	0	4	9	0	0.46	1.48	0.000	0.00	
Distribución y Com.	3	1999	10,606	23,105,217	94,210,135	42	120	7	1	5.24	5.54	0.043	0.45
	3	2000	10,253	22,124,017	94,623,565	45	103	12	2	4.75	5.29	0.090	0.48
	3	2001	10,834	22,379,841	84,854,783	44	91	12	0	4.07	4.60	0.000	0.52
	3	2002	10,502	22,362,077	62,794,405	35	65	7	0	2.91	3.22	0.000	0.56
	3	2003	9,175	20,789,666	73,320,824	41	90	4	0	4.33	4.52	0.000	0.56
	3	2004	10,405	25,205,771	77,175,456	45	75	2	1	3.02	3.09	0.040	0.58
	4	2005	11,056	26,085,108	70,194,630	57	58	23	0	2.22	3.11	0.000	0.81
	4	2006	13,628	27,434,288	76,108,903	54	56	6	4	2.19	2.41	0.146	0.71
	4	2007	13,518	27,984,816	75,304,879	22	55	17	0	1.97	2.57	0.000	0.29
	5	2008	12,416	26,134,455	80,974,646	19	72	22	0	2.75	3.60	0.000	0.23
	4	2009	9,094	22,091,875	67,494,037	9	31	65	1	1.45	4.39	0.045	0.13
4	2010	11,314	24,719,180	65,837,701	15	32	24	0	1.29	2.27	0.000	0.23	
4	1er. Sem 2011	14,148	13,018,685	24,162,205	3	10	6	1	0.84	1.31	0.077	0.12	
GLP	2	1999	1,761	3,910,657	10,989,102	18	185	2	1	47.56	48.07	0.256	1.64
	2	2000	1,141	2,905,952	10,764,279	11	93	1	0	32.00	32.35	0.000	1.02
	2	2001	1,114	2,824,771	8,129,053	13	48	2	1	17.35	18.05	0.354	1.60
	2	2002	1,319	3,098,879	7,916,744	8	69	1	0	22.27	22.59	0.000	1.01
	2	2003	1,204	2,909,344	7,223,575	14	48	3	0	16.50	17.53	0.000	1.94
	2	2004	1,120	2,771,175	6,306,039	7	31	1	0	11.19	11.55	0.000	1.11
	2	2005	1,032	2,753,141	5,279,036	3	13	0	0	4.72	4.72	0.000	0.57
	2	2006	1,556	5,130,913	4,890,766	3	21	1	0	4.09	4.29	0.000	0.61
	1	2007	1,072	4,468,658	0	0	27	0	0	6.04	6.04	0.000	0.00
	1	2008	1,260	4,560,779	0	0	18	0	0	3.95	3.95	0.000	0.00
	1	2009	1,254	4,484,525	0	0	15	4	0	3.34	4.24	0.000	0.00
1	2010	862	2,818,675	0	0	13	1	0	4.61	4.97	0.000	0.00	
1	1er. Sem 2011	30	35,682	0	0	0	0	0	0.00	0.00	0.000	0.00	
Operaciones Marítimas	2	1999	880	2,406,536	0	0	0	2	0	0.00	0.83	0.000	0.00
	2	2000	707	1,954,815	0	0	0	1	0	0.00	0.51	0.000	0.00
	2	2001	715	1,945,317	2,540	0	0	1	0	0.00	0.51	0.000	0.00
	2	2002	647	1,513,473	0	0	0	5	0	0.00	3.30	0.000	0.00
	2	2003	375	1,489,884	0	0	0	1	0	0.00	0.67	0.000	0.00
	2	2004	236	1,085,508	11,000	0	1	0	0	0.92	0.92	0.000	0.00
	2	2005	292	1,110,196	27,720	0	0	3	0	0.00	2.70	0.000	0.00
	2	2006	362	1,250,840	92,818	0	0	1	0	0.00	0.80	0.000	0.00
	1	2007	96	127,656	0	0	0	0	0	0.00	0.00	0.000	0.00
	1	2008	4	8,064	0	0	0	0	0	0.00	0.00	0.000	0.00
	1	2009	4	8,064	0	0	0	0	0	0.00	0.00	0.000	0.00
1	2010	4	8,064	0	0	0	0	0	0.00	0.00	0.000	0.00	
1	1er. Sem 2011	4	4,032	0	0	0	0	0	0.00	0.00	0.000	0.00	
Transporte y Distribución de Gas Natural	10	1999	7,172	13,792,938	17,582,657	277	160	10	1	11.67	12.40	0.073	15.75
	10	2000	6,776	12,991,064	21,551,364	161	114	13	0	8.78	9.78	0.000	7.47
	10	2001	7,034	14,819,552	42,134,346	215	104	6	2	7.15	7.56	0.135	5.10
	8	2002	6,406	12,745,583	48,203,901	163	95	12	0	7.45	8.40	0.000	3.38
	9	2003	7,629	14,856,294	37,215,783	502	180	5	0	12.12	12.45	0.000	13.49
	6	2004	5,190	10,800,679	26,860,512	173	45	0	2	4.35	4.35	0.185	6.44
	4	2005	6,356	16,127,483	36,467,685	253	67	6	2	4.28	4.65	0.124	6.94
	5	2006	5,228	11,089,881	25,180,718	95	45	1	4	4.42	4.51	0.361	3.77
	5	2007	5,252	10,548,843	24,700,836	67	60	3	0	5.69	5.97	0.000	2.71
	5	2008	4,596	10,035,595	24,730,179	47	42	2	0	4.19	4.38	0.000	1.90
	4	2009	4,583	9,656,084	25,422,945	41	38	0	0	3.94	3.94	0.000	1.61
4	2010	4,904	9,965,879	20,707,183	42	28	0	0	2.81	2.81	0.000	2.03	
4	1er. Sem 2011	4,837	4,493,529	11,324,812	20	17	0	0	3.78	3.78	0.000	1.77	

Empresas Operadoras													
Area de Negocios	Cantidad de Empresas	Año	Cantidad de Personal	Horas Trabajadas	Km Totales	Accidentes				ÍNDICES			
						Vehiculares	Con días perdidos	Tareas Restringidas	Fatales	Frecuencia (con días perdidos + fatales)	Frecuencia (con días perdidos + fatales + tareas restringidas)	Fatalidad	Vehiculares
TOTAL OPERADORAS	(*)	1999	52,319	102,234,664	181,045,042	404	792	46	5	7.80	8.25	0.049	2.23
		2000	53,857	104,759,034	187,905,825	276	685	58	4	6.58	7.13	0.038	1.47
		2001	52,174	118,628,868	302,947,462	418	634	65	10	5.43	5.98	0.084	1.38
		2002	49,396	112,218,397	318,068,674	483	514	68	6	4.63	5.24	0.053	1.52
		2003	56,651	139,855,612	363,342,836	745	616	69	8	4.46	4.96	0.057	2.05
		2004	66,775	146,962,111	180,629,194	391	467	62	5	3.21	3.63	0.034	2.16
		2005	74,219	163,489,269	374,510,782	462	438	141	7	2.72	3.58	0.043	1.23
		2006	70,099	167,021,495	375,187,520	265	374	134	13	2.32	3.12	0.078	0.71
		2007	75,064	167,743,228	310,654,875	256	397	142	4	2.39	3.24	0.024	0.82
		2008	77,112	175,769,532	567,846,386	233	302	135	2	1.73	2.50	0.011	0.41
		2009	61,083	152,450,909	425,167,876	199	217	168	3	1.44	2.55	0.020	0.47
		2010	70,332	160,495,758	290,652,027	107	203	104	3	1.28	1.93	0.019	0.37
		1er. Sem 2011	69,586	79,682,310	154,730,720	37	93	47	2	1.19	1.78	0.025	0.24

NOTAS: - No se consigna el total de empresas por cuanto hay casos en que una misma empresa aporta información en más de un área de negocios.
 - La información de Empresas Operadoras debe considerarse en forma independiente de la de Prestadoras de Servicios, ya que parte de esta última está incluida en la primera. (No deben sumarse los datos de Operadoras con los de Prestadoras de Servicios)

FÓRMULAS ÍNDICES
Frecuencia = (Cant.de Acc. con días Perd.+Fatales*1.000.000) / Horas Trabajadas
Frecuencia = (Cant.de Acc. con días Perd.+Fatales+Tareas Restringidas *1.000.000) / Hor
Fatalidades = (Cant.de Acc. Fatales*1.000.000) / Horas Trabajadas
Vehiculares = (Cant.de Acc.Vehiculares Totales*1.000.000) / Kilómetros Recorridos