

Investment guidance for the Chinese medical device market

Article (Supplemental Material)

Zhang, Weifan, Liu, Rebecca and Chatwin, Chris (2015) Investment guidance for the Chinese medical device market. *Journal of Medical Marketing*, 15 (1-2). pp. 4-9. ISSN 1745-7904

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Data supporting the paper entitled: Investment guidance for the Chinese medical device market

Table 1: Total output value of the medical device industry for each province in China from 2001 to 2011 (Unit: million yuan)

	Beijing	Tianjin	Hebei	Shanxi	Inner Mongolia	Liaoning	Jilin	Heilong- jiang
2001	6047	1896	971	201	22	2671	482	842
2002	8665	2001	935	219	24	3202	516	586
2003	10573	2667	1427	415	---	3683	777	431
2004	13010	3010	1770	530	10	4480	1290	840
2005	16468	3192	2319	1013	---	5526	1031	1023
2006	20131	4184	3003	1155	---	7431	1221	1255
2007	23014	4073	4039	1423	---	10928	1596	1890
2008	21362	5414	3907	1068	41	13650	2686	1541
2009	25380	6209	6248	1380	280	18578	3757	1933
2010	27880	7830	8230	1830	480	22120	5480	2220
2011	29510	6870	9420	2250	340	22420	6380	2080
	Shanghai	Jiangsu	Zhe- jiang	Anhui	Fujian	Jiangxi	Shan- dong	Henan
2001	8887	11888	9640	652	1281	453	3599	924
2002	10281	12361	10315	1186	1703	981	3967	980
2003	10352	14273	14315	1508	2467	963	5133	1018
2004	16320	19580	16270	1920	2680	1710	8150	3120
2005	17923	27863	26238	2482	3044	1947	14738	3570
2006	23569	42435	35956	3122	4057	2891	23518	7431
2007	28305	59261	44851	4364	5065	4527	29345	10505
2008	27739	89171	36779	2688	4524	5589	27610	11968
2009	29403	123423	49546	7873	6199	7478	38905	16945
2010	37040	170830	65870	11070	7900	10540	45010	19600
2011	38480	242270	67160	14570	9940	13430	55080	27820
	Hubei	Hunan	Guang- dong	Guangxi	Hainan	Chong- qing	Sichuan	Guizhou
2001	2413	1404	5045	174	60	2286	816	97
2002	2205	1612	6970	272	52	2531	1079	144
2003	2018	1085	9331	446	18	3282	1395	247
2004	2010	1540	23160	550	10	3780	1730	360
2005	4075	2453	30932	767	3	4343	2444	402
2006	5047	3077	35533	892	---	5231	3976	481
2007	5805	4237	48435	1273	---	6151	5546	668
2008	5138	10724	42586	1550	---	6713	8547	447
2009	6255	13046	42574	2285	---	7935	12549	793
2010	7010	20430	54130	3490	---	12480	8090	730
2011	7200	29390	61060	3630	840	12620	10800	740
	Yunnan	Shaanxi	Gansu	Qinghai	Ningxia	Xinjiang	Total	

2001	482	1550	154	---	344	12	65295
2002	590	1835	192	---	471	7	75885
2003	568	1887	340	58	440	27	91144
2004	590	3370	250	90	560	50	132740
2005	636	3114	257	100	549	83	178535
2006	949	4950	229	87	170	86	242066
2007	1015	5390	257	129	619	110	312821
2008	1101	3350	101	149	629	81	336851
2009	1263	7830	287	90	859	127	439431
2010	1490	8430	290	100	960	150	561730
2011	1190	11490	240	130	1000	100	688420

Source: China Statistics Yearbook on High Technology Industry, 2009-12

Table 2: Average of total output value of medical device industry for each province in China from 2001 to 2011 (listed in decreasing average value) (Unit: million yuan)

Jiangsu	73941
Zhejiang	34267
Guangdong	32705
Shandong	23187
Shanghai	22573
Beijing	18367
Liaoning	10426
Henan	9444
Hunan	8091
Chongqing	6123
Sichuan	5179
Shaanxi	4836
Anhui	4676
Jiangxi	4592
Hubei	4471
Fujian	4442
Tianjin	4304
Hebei	3843
Jilin	2292
Guangxi	1394
Heilongjiang	1331
Shanxi	1044
Yunnan	898
Ningxia	600
Guizhou	464
Gansu	236
Inner Mongolia	109
Hainan	89
Qinghai	85
Xinjiang	76

Table 3: Gross regional product of each province in China from 2001 to 2011

(Unit: million yuan)

	Beijing	Tianjin	Hebei	Shanxi	Inner Mongolia	Liaoning	Jilin	Heilong- jiang
2001	284565	184010	557778	177997	154579	503308	203248	356100
2002	433040	215076	601828	232480	194094	545822	234854	363720
2003	502377	257803	692129	285523	238838	600254	266208	405740
2004	606028	311097	847763	357137	304107	667200	312201	475060
2005	688631	369762	1009611	417952	389555	786085	362027	551150
2006	787028	435915	1166043	475254	479148	925115	427512	618890
2007	984681	525276	1360732	602445	642318	1116430	528469	710400
2008	1111500	671901	1601197	731540	849620	1366858	642610	831437
2009	1215303	752185	1723548	735831	974025	1521249	727875	858700
2010	1411358	922446	2039426	920086	1167200	1845727	866758	1036860
2011	1625193	1130728	2451576	1123755	1435988	2222670	1056883	1258200
	Shanghai	Jiangsu	Zhejiang	Anhui	Fujian	Jiangxi	Shandong	Henan
2001	495084	951191	674815	329013	425368	217568	943831	564011
2002	574103	1060685	800367	351972	446755	245048	1027550	603548
2003	669423	1244287	970502	392310	498367	280741	1207815	686770
2004	807283	1500360	1164870	475932	576335	345670	1502184	855379
2005	916410	1830566	1343785	537512	656893	405676	1851687	1058742
2006	1036637	2164508	1574251	614873	761455	467053	2207736	1249597
2007	1249401	2601848	1875373	736092	924853	580025	2577691	1501246
2008	1406986	3098198	2146269	885166	1082301	697105	3093328	1801853
2009	1504645	3445730	2299035	1006282	1223653	765518	3389665	1948046
2010	1716598	4142548	2772231	1235933	1473712	945126	3916992	2309236
2011	1919569	4911027	3231885	1530065	1756018	1170282	4536185	2693103
	Hubei	Hunan	Guang- dong	Guangxi	Hainan	Chong- qing	Sichuan	Guizhou
2001	466228	398300	1064771	223119	54596	174977	442176	108490
2002	421282	415154	1350242	252373	62197	199001	472501	124343
2003	475745	465999	1584464	282111	69320	227282	533309	142634
2004	563324	564194	1886462	343350	79890	269281	637963	167780
2005	652014	651134	2236654	407575	89457	306692	738511	197906
2006	758132	756889	2620447	482851	105285	349157	863781	228200
2007	933340	943960	3177701	582341	125417	467613	1056239	288411
2008	1132889	1155500	3679671	702100	150306	579366	1260123	356156
2009	1296110	1305969	3948256	775916	165421	653001	1415128	391268
2010	1596761	1603796	4601306	956985	206450	792558	1718548	460216
2011	1963226	1966956	5321028	1172087	252266	1001137	2102668	570184
	Yunnan	Shaanxi	Gansu	Qinghai	Ningxia	Xinjiang		
2001	207471	184427	107251	30095	29838	148548		
2002	231282	225339	123203	34065	37716	161265		
2003	255602	258772	139983	39020	44536	188635		
2004	308191	317558	168849	46610	53716	220909		

2005	347289	377269	193398	54332	60626	260419
2006	400672	452374	227670	64158	71076	304526
2007	477252	575729	270240	79735	91911	352316
2008	569212	731458	316682	101862	120392	418321
2009	616975	816980	338756	108127	135331	427705
2010	722418	1012348	412075	135043	168965	543747
2011	889312	1251230	502037	167044	210221	661005

Source: National Bureau of Statistics of the People's Republic of China, 2012

Table 4: Gross domestic product of China from 2001 to 2011 (Unit: million yuan)

2001	10965520
2002	12033270
2003	13582280
2004	15987830
2005	18493740
2006	21631440
2007	26581030
2008	31404540
2009	34090280
2010	40151280
2011	47288160

Source: National Bureau of Statistics of the People's Republic of China, 2012

Results

Table 5: Location quotient (LQ) of each province in China from 2001 to 2011

LQ	Beijing	Tianjin	Hebei	Shanxi	Inner Mongolia	Liaoning	Jilin	Heilong- jiang
2001	3.569	1.730	0.292	0.190	0.024	0.891	0.398	0.397
2002	3.173	1.475	0.246	0.149	0.020	0.930	0.348	0.255
2003	3.136	1.542	0.307	0.217	---	0.914	0.435	0.158
2004	2.586	1.165	0.251	0.179	0.004	0.809	0.498	0.213
2005	2.477	0.894	0.238	0.251	---	0.728	0.295	0.192
2006	2.286	0.858	0.230	0.217	---	0.718	0.255	0.181
2007	1.986	0.659	0.252	0.201	---	0.832	0.257	0.226
2008	1.792	0.751	0.227	0.136	0.004	0.931	0.390	0.173
2009	1.631	0.645	0.283	0.146	0.022	0.954	0.403	0.176
2010	1.412	0.607	0.288	0.142	0.029	0.857	0.452	0.153
2011	1.247	0.417	0.264	0.138	0.016	0.693	0.415	0.114
	Shang- hai	Jiangsu	Zhejiang	Anhui	Fujian	Jiangxi	Shandong	Henan
2001	3.015	2.099	2.399	0.333	0.506	0.350	0.640	0.275
2002	2.840	1.848	2.044	0.534	0.604	0.635	0.612	0.257
2003	2.304	1.709	2.198	0.573	0.738	0.511	0.633	0.221

2004	2.435	1.572	1.682	0.486	0.560	0.596	0.653	0.439
2005	2.026	1.577	2.023	0.478	0.480	0.497	0.824	0.349
2006	2.032	1.752	2.041	0.454	0.476	0.553	0.952	0.531
2007	1.925	1.935	2.032	0.504	0.465	0.663	0.967	0.595
2008	1.838	2.683	1.598	0.283	0.390	0.747	0.832	0.619
2009	1.526	2.798	1.683	0.611	0.396	0.763	0.897	0.679
2010	1.542	2.948	1.698	0.640	0.383	0.797	0.821	0.607
2011	1.377	3.389	1.427	0.654	0.389	0.788	0.834	0.710
			Guang-			Chong-		
	Hubei	Hunan	dong	Guangxi	Hainan	qing	Sichuan	Guizhou
2001	0.869	0.592	0.796	0.131	0.185	2.194	0.310	0.150
2002	0.830	0.616	0.819	0.171	0.133	2.017	0.362	0.184
2003	0.632	0.347	0.878	0.236	0.039	2.152	0.390	0.258
2004	0.430	0.329	1.479	0.193	0.015	1.691	0.327	0.258
2005	0.647	0.390	1.433	0.195	0.003	1.467	0.343	0.210
2006	0.595	0.363	1.212	0.165	---	1.339	0.411	0.188
2007	0.528	0.381	1.295	0.186	---	1.118	0.446	0.197
2008	0.423	0.865	1.079	0.206	---	1.080	0.632	0.117
2009	0.377	0.780	0.842	0.230	---	0.949	0.693	0.158
2010	0.314	0.911	0.841	0.261	---	1.126	0.336	0.113
2011	0.252	1.026	0.788	0.213	0.229	0.866	0.353	0.089
	Yunnan	Shaanxi	Gansu	Qinghai	Ningxia	Xinjiang		
2001	0.390	1.411	0.241	---	1.936	0.014		
2002	0.405	1.291	0.247	---	1.980	0.007		
2003	0.331	1.087	0.362	0.222	1.472	0.021		
2004	0.231	1.278	0.178	0.233	1.256	0.027		
2005	0.190	0.855	0.138	0.191	0.938	0.033		
2006	0.212	0.978	0.090	0.121	0.214	0.025		
2007	0.181	0.796	0.081	0.137	0.572	0.027		
2008	0.180	0.427	0.030	0.136	0.487	0.018		
2009	0.160	0.749	0.066	0.065	0.496	0.023		
2010	0.147	0.595	0.050	0.053	0.406	0.020		
2011	0.092	0.631	0.033	0.053	0.327	0.010		

Table 6: Market share (MS) of each province in China from 2001 to 2011

	Beijing	Tianjin	Hebei	Shanxi	Inner Mongolia	Liaoning	Jilin	Heilong- jiang
2001	9.26%	2.90%	1.49%	0.31%	0.03%	4.09%	0.74%	1.29%
2002	11.42%	2.64%	1.23%	0.29%	0.03%	4.22%	0.68%	0.77%
2003	11.60%	2.93%	1.57%	0.46%	---	4.04%	0.85%	0.47%
2004	9.80%	2.27%	1.33%	0.40%	0.01%	3.38%	0.97%	0.63%
2005	9.22%	1.79%	1.30%	0.57%	---	3.10%	0.58%	0.57%
2006	8.32%	1.73%	1.24%	0.48%	---	3.07%	0.50%	0.52%
2007	7.36%	1.30%	1.29%	0.45%	---	3.49%	0.51%	0.60%
2008	6.34%	1.61%	1.16%	0.32%	0.01%	4.05%	0.80%	0.46%

2009	5.82%	1.42%	1.43%	0.32%	0.06%	4.26%	0.86%	0.44%
2010	4.96%	1.39%	1.47%	0.33%	0.09%	3.94%	0.98%	0.40%
2011	4.29%	1.00%	1.37%	0.33%	0.05%	3.26%	0.93%	0.30%
	Shanghai	Jiangsu	Zhejiang	Anhui	Fujian	Jiangxi	Shandong	Henan
2001	13.61%	18.21%	14.76%	1.00%	1.96%	0.69%	5.51%	1.42%
2002	13.55%	16.29%	13.59%	1.56%	2.24%	1.29%	5.23%	1.29%
2003	11.36%	15.66%	15.71%	1.65%	2.71%	1.06%	5.63%	1.12%
2004	12.29%	14.75%	12.26%	1.45%	2.02%	1.29%	6.14%	2.35%
2005	10.04%	15.61%	14.70%	1.39%	1.70%	1.09%	8.25%	2.00%
2006	9.74%	17.53%	14.85%	1.29%	1.68%	1.19%	9.72%	3.07%
2007	9.05%	18.94%	14.34%	1.40%	1.62%	1.45%	9.38%	3.36%
2008	8.23%	26.47%	10.92%	0.80%	1.34%	1.66%	8.20%	3.55%
2009	6.74%	28.28%	11.35%	1.80%	1.42%	1.71%	8.91%	3.88%
2010	6.59%	30.41%	11.73%	1.97%	1.41%	1.88%	8.01%	3.49%
2011	5.59%	35.19%	9.76%	2.12%	1.44%	1.95%	8.00%	4.04%
	Hubei	Hunan	Guang-dong	Guangxi	Hainan	Chong-qing	Sichuan	Guizhou
2001	3.70%	2.15%	7.73%	0.27%	0.09%	3.50%	1.25%	0.15%
2002	2.91%	2.12%	9.18%	0.36%	0.07%	3.34%	1.42%	0.19%
2003	2.21%	1.19%	10.24%	0.49%	0.02%	3.60%	1.53%	0.27%
2004	1.51%	1.16%	17.45%	0.41%	0.01%	2.85%	1.30%	0.27%
2005	2.28%	1.37%	17.33%	0.43%	0.00%	2.43%	1.37%	0.23%
2006	2.08%	1.27%	14.68%	0.37%	---	2.16%	1.64%	0.20%
2007	1.86%	1.35%	15.48%	0.41%	---	1.97%	1.77%	0.21%
2008	1.53%	3.18%	12.64%	0.46%	---	1.99%	2.54%	0.13%
2009	1.43%	2.99%	9.76%	0.52%	---	1.82%	2.88%	0.18%
2010	1.25%	3.64%	9.64%	0.62%	---	2.22%	1.44%	0.13%
2011	1.05%	4.27%	8.87%	0.53%	0.12%	1.83%	1.57%	0.11%
	Yunnan	Shaanxi	Gansu	Qinghai	Ningxia	Xinjiang		
2001	0.74%	2.37%	0.24%	---	0.53%	0.02%		
2002	0.78%	2.42%	0.25%	---	0.62%	0.01%		
2003	0.62%	2.07%	0.37%	0.06%	0.48%	0.03%		
2004	0.44%	2.54%	0.19%	0.07%	0.42%	0.04%		
2005	0.36%	1.74%	0.14%	0.06%	0.31%	0.05%		
2006	0.39%	2.04%	0.09%	0.04%	0.07%	0.04%		
2007	0.32%	1.72%	0.08%	0.04%	0.20%	0.04%		
2008	0.33%	0.99%	0.03%	0.04%	0.19%	0.02%		
2009	0.29%	1.79%	0.07%	0.02%	0.20%	0.03%		
2010	0.27%	1.50%	0.05%	0.02%	0.17%	0.03%		
2011	0.17%	1.67%	0.03%	0.02%	0.15%	0.01%		