

Brief Introduction of Zhangjiagang City

Zhangjiagang City, a newly rising industrial port city in the Yangtze Delta, is located in the juncture of China's coastal and Yangtze economic belts. It was named after the port—Zhangjiagang Port in 1986 instead of the old name of Shazhou County since 1962.

Our city locates at $31^{\circ} 43' 12'' \sim 32^{\circ} 02''$ north latitude and $120^{\circ} 21' 57'' \sim 120^{\circ} 52'$ east longitude, which lies on the south of Yangtze River and southeast of Jiangsu Province, with the Yangtze River—China's golden watercourse on the north close to Nantong and the beautiful Tai Lake on the south close to Suzhou and Wuxi. The city links Changshu and Taicang in the east and is 150km to Shanghai; links Jiangyin and Changzhou in the west and 230km to Nanjing. The whole city covers an area of 999.48km^2 with water areas of 212.93km^2 . There are 8 towns under its jurisdiction, 175 administrative townships, 21 subdistrict offices, and 85 neighborhood committees with the population of the household registers of 860,195 and floating population of 318,000. The framework of "One Urban Area & Four Suburban Areas" is being formed. In 2003, it realized GDP 47.5 billion Yuan, with per capita GDP over US\$ 6,500, fiscal revenue 6.7 billion Yuan and customs duty 7.7 billion Yuan, the fixed assets investment reached 18 billion Yuan, it is ranked the third place in China's same level cities in terms of economic basic capacity and the fourth place in China's top 100 counties/cities in terms of comprehensive potentiality.

Zhangjiagang City has favorable natural conditions. It is of pleasant climate, with four seasons obviously divided and annual average temperature 15.1°C with four distinct seasons annual, mild climate, plenty precipitation rain fall, fertility land, beautiful environment and rich products which can be called typical south of the lower reaches of the Yangtze River.

Population and employment. At the end of the year of 2003, the population of the household registers of Zhangjiagang city is 860,195 of whom 43.1% live in the urban and towns. The birth population in the whole year are 5708 with the birth rate of 5.85

‰ ; death population are 6248 with the death rate of 6.4 ‰; natural increase of population rate is -0.55% ; The average length is 75.15 years old, of whom the male is 73 years old and the female is 77.5 years old. Registers unemployed people in the urban and towns are 3254 with registering rate of 2.1%.

Living level. The controlling income of the inhabitants in urban and in towns reaches 12960 Yuan, the food consumption expenses proportion of consumption payment (Engel) is 37.0% and the average living house areas reach 35.0 m^2 .

Living environment. The urban has conformed “Four Vertical, Four Horizontal and Two Ring Road” land transportation network and the road of market land has formed the system of “ Five Vertical, Five Horizontal, One Overpass and One Ring Road” with average road area of 14.7m^2 ; our city has a series public service facilities of TVBS Building, Gymnasium, Swimming Pool, Library, Zhangjiagang Park, Century Square and so on; the city carries out regional water supplying with the tap water rate of 100%, tap water supplying capacity everyday is 300,000 ton of whom urban gets the water supplying is 10,000ton; the whole city gas consumption volume reach 30,000ton and the total store volume reach 68,000Cubic meter with the popularity of 100%; the city has 2 Sewage Treatment Plants with sewage treatment capacity of 65,000ton; the sanitary sewage treatment rate reaches 64.8%, throwing rate in bags of the domestic rubbish reaches 100%, the airtight transportation rate of living garbage reaches 100% and innocuous treatment rate reaches 100%; the numbers of days of good quality air in urban is 90%,average of density of the total suspended particulate substance is 0.090 mg./Cubic meter, the covering rate of smoke dust in urban is 100%,air quality in rural keeps national Class A level basically, the quality of main river water in the city reaches surface water function district of three and four standard and drink water resource is superior to national Class 2 standard of surface water;the total green land in urban area reaches 897.61 hectare,the greenbelt rate has reached 36.5% and virescence covering rate has reached 40.2% with per person greenbelt area $10.6\text{m}^2/\text{people}$.

Cultural Education. The whole city has one city level library, 8 town level libraries and 77 grass-roots libraries with collecting books of 954,000 volumes. It has formed the development frame of one Broadcast Station, 2 TV Stations, public newspapers of Zhangjiagang Daily, Zhangjiagang Government and network of Zhangjiagang Daily. At the end of 2003, the whole city has more than 157 all sorts of schools (including kindergartens) with the students of 153,800. Among them there are 35 kindergartens in urban and in rural, 68 primary schools, 30 junior high schools, 2 secondary technology schools, 8 ordinary senior schools, 7 professional technology schools and 2 higher education schools. In 2003, the city invested 0.8 billion RMB Yuan into education of which the changing school condition expenses reaches 0.24 billion RMB Yuan. Basic education, vocational education, adult education and higher education develop harmoniously. The kids enrolling rate reaches 100%, the enrolling rate for disable children reaches 97%, the enrolling rate for junior high school reaches 99.5%, the high school enrolling rate for graduates from junior high school reaches 90%, the gross enrolling rate of college entrance examination and gross entrance rate of higher education reach 92.1% and 49.98% separately. In September 2002, our city passed the evaluating of "Jiangsu Province Education Modernization Advanced City".

Society Insurance and Relief. The whole city has formed a series insurance system of supporting parents, medical treatment, unemployment, industrial injury and birth treatment, which is unified by inches. At the end of 2003, there are more than 152,000 people who have participated in society insurance of whom the workers in urban and in town area are 139,000 people and the employees in government departments and institutions are 13,000 with covering rate of 98%. In rural area, there are more than 74,000 people who have participated in the endowment insurance. The city has established endowment compensation system for the old inhabitants and peasants with 80 Yuan per month for each of the old who accords with the endowment compensation system. The minimum living guarantee system is better than before, in 2003, 8183 families and 11837 people gained the minimum living

guarantee from the government with the total volume of 8.41 million Yuan; 869 families with financial difficulties of the house have gotten 2858 houses from the government with the total investment of 26,614,900 Yuan.

The civil order is quite good. The public security of the whole city is stable and the “safety Zhangjiagang” activity is impelling which can implement public security treatment.

Medical & sanitation. The hospital strengthens its infrastructure step by step; there are 162 medical agencies of which there are 5 hospitals and 22 Commune Hospitals. The rate of every thousand people of beds in hospitals and medical staff reach 2.95 beds and 3.45 people; the covering rate of new type medical unit is 100% and the rate of household registers in the city except the workers who have participated in the workers’ medical insurance is 85%; the city has established perfect preventing and controlling the system in disease, sanitation supervising system and medical salvation system worked out “Zhangjiagang City Regional Sanitation Layout” and completed first aid network in front of hospital within 15 minutes.

Outer and inner transportation. The inner and outer transportation is very convenient. Zhangjiagang uses 64km bank line of the Yangtze River, 34 km of which is ice-free and non-silted deep water. Zhangjiagang Port is one of the largest international commercial ports along the Yangtze River, with 40 berths of 10,000-ton class and the biggest for 50,000-ton cargo ships. Its annual cargo handling capacity exceeds 60 million tons. Up to now, 18 international lines have been opened between Zhangjiagang and Japan, South Korea, America, Europe and cargo-shipping relationship with over 140 countries and regions in the world has been established. The rivers in churchyard are very dense and the water transport is quite developed. The whole city has conformed “Five Vertical and Five Horizontal” and “One Overpass and One Ring road” land transportation network, it just takes not more than 15 minutes between the towns and urban by automobile. The Riverside Expressway and Suzhou-Changshu-Zhangjiagang Grade A Highway, which are to be finished by

the end of this year, run through the city and will shorten the traveling time to 50 minutes to Shanghai and 40 minutes to Suzhou.

Previous Period Health Problem Analysis

With the development of Zhangjiagang, “One Urban and Four Districts: has formed, the population in the city and in the towns is increasing, the scale of the city is enlarging, more and more people like to live in the city, the economy, society, environment, life style and values thought are changing now which has influenced on the living and health of the inhabitants. There are several health problems of the inhabitants briefly:

1. The social economy changing influenced on the health. Urbanization process is the trend of the human society development. But, high speed city construction and city population’s increasing largely will bring the society problems, such as employment, transportation, house living, public security, safety drink water and food supplying which will do harm to the health.

2. The environment factor influenced on the health. Rapid industrialization process aggravates the pressure of environment, especially with the descending of the carriers as air, water quality and land, which will also, do harm to the health.

3. Malignant tumour, brain blood vessel disease and respiratory disease are the main diseases which will cause the inhabitants dead. What’s more the malignant tumour takes the first place of the death rate in continuous ten years. The chronic disease is the main reason which will cause death and shorten the life time in this community, at the same time, the great expenses because of the disease also will give the burden to the society and the family. According to the investigating it shows that the public sanitation problems are high blood pressure, intestines problem of chronic stomach and chronic blocking lung disease. Especially high blood pressure is the main problem; the prevalence rate is 37.4% of more than 35 years old people, which is the important problem in the community. Therefore, community's chronic disease integrated control work and intervene the activity in health care for high blood pressure are our city regional sanitation layout at this time.

4. We should reply the infectious disease problem. In despite of well controlling of

common infectious disease with the low coming on rate, but it is a very hard job to prevention and cure the virus hepatitis, pulmonary tuberculosis and venereal disease; SARS, bird flu and so on. Such mentioned above new infectious diseases are dangerous and underlying, which threaten the crowd's health and life safety and influence on the economic development and society stability. Especially the flowing population is increasing which will cause some infectious disease easily.

5. Injury Problem. The death materials of ten years of Zhangjiagang city show that accidental heath is the main fourth factor of health problem and take the first place of PYLL, so "early dead" threatens inhabitants health. With the rapid increasing of automobiles, automobiles traffic accident death rate presents the obvious ascendant trend, which occupies 35.49%of accidental heath with the first place. In our city, Injury defending work is at the very beginning, at this urgent time, the first task is to get rid of the obstacle and obstruction. Now the task is to settle down the most dangerous and most prominent injury (such as traffic accident, commit suicide, drowned and fall); meanwhile, we cannot turn a blind eye and show no concern for some injury. For example, some consumption of cloth, food, living and traffic create obvious or potential damage: rotten food of overtime, poisonous wine, inferior electric apparatus and gas heater make injury, it will make tragedy in the place of entertainment because of lack of fulfilling requirements and safety equipments and kids' toy, traveling and cosmetics will also threaten the consumers' safety and bring health damaging.

6. The old's health problem. Old degree is fasting in Zhangjiagang city in recent years, therefore the proportion of chronic disease and retrograde affection is aggravating day by day. According to the investigating report, there are more than half number of 60 years old people who have one or more than one kind of chronic diseases, among these people of whom they will need much more family sanitation & care service than being admitted to hospital and renovating, especially the work of the ill crowd's preventing the disease and health care and already ill crowd's from aggravating

further which is most necessary. So according to the sanitation work' angle, we require to think about the factors such as society, environment, psychology and life style which will influence on the people's health and give the inhabitants high level and feasibility health service. What's more, the government should do some adjustment of sanitation resource investment and the layout of sanitation health care.

Zhangjiagang's Establishing Health City Action Plan

Establishing health city not only is the universal action plan proposed by WHO, but also is an important measure of carrying out the Ninth Party Member's Representative Conference in Suzhou. Since last year, our city accord with the require of Suzhou Establishing Health City Action Plan, begins to proverb in public sanitation system construction, medical sanitation system reforming, environment protection and city forestation and so on, set up and amplify the health city working system, work out and carry out “Zhangjiagang Regional Sanitation Layout”, “The Suggestions of Zhangjiagang Sanitation System Reforming” and “Zhangjiagang Prorruption Public Affairs Emergency Preplan” and develop “Three kinds of Cleaning Action” (cleaning house, cleaning river and cleaning village). Our city has established the early-warning system telemeter measurement of water quality of source water and finished the traffic public transit rebuilding. The city has also finished the construction tasks of National Garden City, Nationwide Ecologic Model District and Nationwide Family Planning Good Service Model County (City) and so on which means having made great progress in health city construction. For further making sure of the task of health city construction, according to “Suzhou Establishing Health City Action Plan”, the government will work out Establishing Health City Action Plan from 2004 to 2010.

I. The main task of 2004

(I). The whole city

1. Establishing health city special guide committee, perfecting establishing health city operation mechanism and advancing organization management level.
2. Beginning the new type cooperative medical services system and advancing cooperative medical services covering, participating rate and insurance level.
3. Reforming the public sanitation management service system in towns and counties, organizing town class community sanitation management service center and perfecting the public sanitation operation mechanism.

4. Establishing complete the accidental public sanitation affairs, great epidemic situation report system, early-warning and settling system. The three kinds of completing rate reaches 90% of sanitation supervising, disease preventing and controlling and medical salvation.
5. Issuing the antibiotic standard which using graded management.
6. Organizing and carrying out “The Rest Assured Projects of Food and Medicine”.
7. Establishing emergency salvation station in all the central towns, completing first aid network in front of hospital within 15 minutes, mergering “110”and “120”.
8. Establishing chronic un contagion disease defending and curing model communities in all the towns.
9. With the deepening of society insurance system reforming, all the employees of the city and the towns participate in society insurance system with supporting compensation system of the old peasants and inhabitants.
10. Impelling commune hospital system reforming and carrying out public hospital mechanism reforming.
11. Impelling exercising project (the second period) construction, building 20 new exercising projects, paying attention on society games master construction and conducting people exercising activity.
12. Welcome provincial family planning model city examining and confirming.
13. Keeping on “Safety Zhangjiagang” action.
14. Building river water quality automatic supervising system, enlighten on whole city environment synthetic renovating project and carrying out river controlling measures of long result.
15. Perfecting city region traffic network and developing public transportation first.
16. Carrying out the project of “ Green Channel, Green House and Green Base” overall.
17. Establishing home-delivery center of nuisance free agricultural products. Building 10 new nuisance free agricultural products bases with 15 sure nuisance

free agricultural products and 2 kinds of green food.

(II). All the towns

1. According to the facts, the towns develop the work of health city construction overall.
2. The towns organize the self-examination and accept the phased evaluation from the health city construction leading team with 2 or 3 advanced towns who can accord with the require of health city construction.

(III). All the departments and institutions

1. To make out health city annual programmed and carry out.
2. Enlightening on and carrying out health city “ Cell Project” construction. Health city “ Cell Project”: Health community led by the Civil Administration Bureau and the Civilization Office; Health Family led by the Women’s Federation; Health School led by the Education Bureau; Health Industry led by the Economy & Trade Committee; Health Departments led by the Department Work Committee; Health Hospital led by Sanitation Bureau; Health Market led by Zhangjiagang Industry & Commercial Bureau; Health Hotels led by the Travel Affairs Bureau; Health Restaurants led by the Sanitation Bureau; Health Shopping Stores led by Trade Bureau and Health Entertainment Places led by the Culture & Broadcasting Administration Bureau. In this year, the city will praise and name a series of health models of “Cell Project”.
3. We will welcome health city leading team’s evaluating.

II. The main task of 2005

(I). The whole city

1. Providing the long time management mechanism of health city.
2. The completing rate reaches 92% of the three systems of the sanitation supervising, disease defending and controlling and medical curing with establishing the primary four levels health information network of the city, the town, the county, the family and public sanitation information system. The city

will advance the equipment level and examine capacity of all sanitation supervising branches.

3. Finishing the construction of the whole city's medical waste dealing station and putting into use; enlarging chronic noncontagion disease model community scale with more than 1/3 communities changed into model communities and making out "Zhangjiagang City Health Education Working Routine"; the knowing rate of health knowledge and the forming rate of concerned health behavior reach 80% and 60%.
4. The urban community sanitation service agency covering rate is 80%, the central towns reach 70% and the inhabitants file rate reaches 25%. The public sanitation tasks of the infectious disease preventing and curing, children's planning immunity, chronic disease defending and curing, the disabled person recovering, health education, mother and child care and healthy reproduction finishing rate reaches 90% and with the satisfactory rate of the inhabitants reaches 95%.
5. We will keep on deepening medical sanitation system reforming and non- public hospital owning bed numbers of the total beds is 10%.
6. The city will keep on carrying out the activity of "Cleaning Villages, Cleaning Houses and Cleaning Rivers", finishing the second dredging turn of river and completing the long time management system of "Three Cleanings".
7. Preliminary establishing the National Ecological City.
8. All central towns build monitoring station for national physique and provide the service for monitoring.
9. Establishing 3 beasts and birds area. Building 10 new nuisance free agricultural products bases with 10 sure nuisance free agricultural products and 2 kinds of green food.

(II). All the towns

Most of the towns should reach the demand of advanced towns of health city and accept the evaluating of the health city leading team.

(III). All the departments

1. According to the demand of health city, we will summarize experience, edit index system, make sure of boosting plan and organize and carry out well.
2. We will welcome health city leading team's evaluating.

III. The main tasks from 2006 to 2007

(I). The whole city

1. The city will establish disease defending and curing network and sanitation supervising system of reasonable constructure, complete function, good system, unitive index, classifying management, managing with the law and rapid reaction. Also it will establish complete construction project hygiene appraised in advance and "Three at the same time" long result examination system. More than 50% communities will establish chronic noncontagion defending and curing model districts and begin to evaluate the defending and curing effect.
2. The knowing rate of health knowledge and the forming rate of concerned health behavior reach 95% and 65%.
3. The covering rate of sanitation service agencies in urban and in all towns reaches 100%. The filing rate of inhabitants' health files is 30%. The finishing rate of all the public sanitation work is 95% with the rate of inhabitants' satisfactory of 95%.
4. The city will finish building the new N0.1 People's Hospital and put it into use.
5. The city will establish the urban medical center with 8 first-aid stations in front and reacting within 8 minutes.
6. The city will keep on impelling the hospital system reforming with 20% occupation rate of bed numbers in civil hospitals.
7. The city will provide the multifunctional service system for the crowd.

(II). All the towns

1. It will adjust and complete health city construction index system and all the towns reach the demand of advanced towns of health city construction.
2. It will organize the self-evaluate and accept the evaluating of the leading team of

health city construction.

(III). All the departments

1. According to the health city construction demand and guiding thought of the people, it should enrich the index system and carry out.
2. We will welcome health city leading team's evaluating.

IV. The main tasks from 2008 to 2010

(I). The whole city

1. The city will perfect the disease defending and curing controlling network and sanitation supervising system.
2. Connecting with the international medical care system and advancing the hardware infrastructure of community sanitation service agency, the city will provide comfortable, wide and gentle service environment for the people. The public sanitation services of defending, care, recovering, health education and family planning service carry out overall with the finishing rate reaches 95%. 80% community doctors change into community family doctors, which shows us the high health level. 2/3 communities have become into chronic disease defending and curing model community. The filing rate of the crowd reaches 40%.
3. The knowing rate of health knowledge and the forming rate of concerned health behavior reach 90% and 70%.
4. The city will establish aerial emergency first aid system and advance the first aid capacity in front within 5 minutes of reaction time.
5. The beds proportion in non-public hospitals of the total beds can reach 25%, the city will establish the basic multi-investing and in order environment.
6. The whole city exercising stations reach more than 200 and ten thousand people can own 3 stations.
7. The city will establish high-level society insurance system for all the people and the covering rate of endowment insurance, medical insurance and unemployment insurance reaches 99.8%.

8. The will build river network of “Ten Vertical,Ten Horizontal and Eight Lake” which can change the water environment of the whole city and harmony, advanced and comfortable ecological environment.

(II). All the towns

1. The town will perfect health city construction index system and all the towns reach the demand of advanced health city.

2. We will welcome health city leading team’s evaluating.

(III). All the departments

1. According to the boosting condition and department responsibility, all the departments should advance index system and carry out adjustment.

2. We will welcome health city leading team’s evaluating.

We hope that all the towns and all the departments according to the demand can organize well strengthen the responsibility and carry out the health city construction work. Also we should try our best to build our Zhangjiagang city into a city of sustained economic development, health and rich, beautiful ecological environment and harmonious nature and society.