



Australian Safe  
Communities  
Foundation

## Australian Safe Communities Foundation Inc

Certifying Centre for Safe Community Programs

On behalf of the WHO Collaborating Centre on Community Safety Promotion,  
Department of Public Health Sciences, Division of Social Medicine, Karolinska Institutet, Sweden

### Safe Community Xinghaiwan No.193



Name of community: **Xinghaiwan Community, Shahekou District, Dalian**

Nation: **PR China**

Quantity of residents: **100,000 persons**

Start time of the plan: **Year 2005**

International safe community network member qualification: **2009**

Community website: [www.dlxhw.gov.cn](http://www.dlxhw.gov.cn)

Full application available at:

[http://www.safecommunities.net.au/upload\\_docs/201005312013320.Xinghaiwan%20Community%20ISC%20Application.pdf](http://www.safecommunities.net.au/upload_docs/201005312013320.Xinghaiwan%20Community%20ISC%20Application.pdf)

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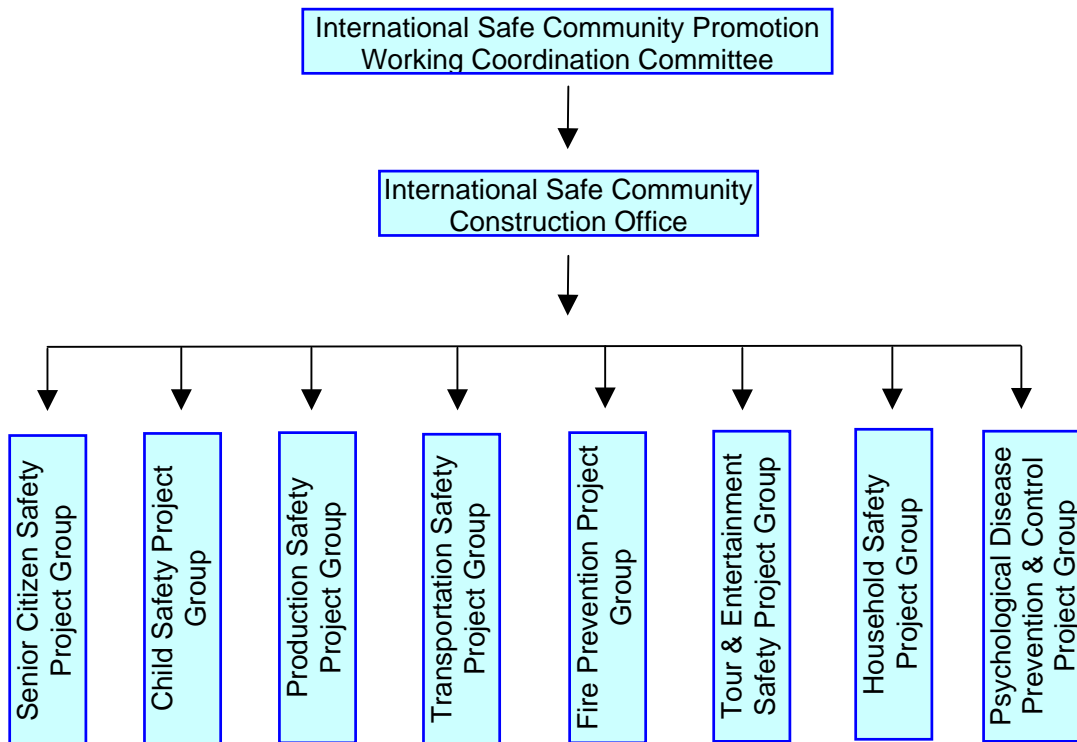
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## Xinghaiwan Safe Community:

Xinghaiwan Community is located at main urban area of Dalian: south of Shahekou District, to the west of Malan River, and to the east of Dalian Software Industry Cluster, it is adjacent to Huanghai Sea in the south and Xi'an Road Commercial Zone in the north, with an area of 5.46 km<sup>2</sup>, there are 9 neighbourhood committees in the community, i.e. Xingnan, Xingbei, New Hope, Institute of Chemical Physics, Xinghai Square, Lianshan, Longjiang Road, Xinghai Park and Haizhou, it has a population of 100,000 and enjoys convenient transportation.

Facing the sea and surrounded by mountains, Xinghaiwan Community has most attractive scenery, most powerful attention and most commercial opportunities, it enjoys rich modern urban resources on finance, business, catering, leisure and tour, etc. as highlight of construction on modern metropolis in Dalian, it is famed as "representation of Dalian, symbol of the city and garden of citizens".

International Safe Community Promotion Working Coordination Committee is established in Xinghaiwan Community in October, 2005, eight safety project groups and four multi-departmental professional working groups are set up for work development.



## Age Distribution

Age stage \ Year	2006		2007		2008	
	0 -14	7461	7.56%	7843	7.81%	8183
15 - 24	12762	12.93%	13397	13.34%	12520	12.27%
25 - 64	63087	63.92%	63290	63.02%	64971	63.67%
65 - 79	13383	13.56%	13879	13.82%	14292	14.01%
80 -	2004	2.03%	2019	2.01%	2071	2.03%
Total	98697	100.00%	100428	100.00%	102037	100.00%

## Promotion Projects Developed by Xinghaiwan Community

### Household Safety Project

Xinghaiwan Community is of large population and high mobility. Therefore, household safety has direct influence on life & property safety of residents and stability & harmony of the whole community. Totally 1120 persons were injured at home from Year 2006 to 2008, which accounts for 16.08% of whole injured persons, and ranks the third place.

- Electronic eyes are installed at 78 places in the community; invest capital in installing security doors for unit of the building without managerial institution, changing building intercom system and installing induction lamps in the corridor;
- Install gas rubber pipes and replace aged pipes for residents free of charge, thus to prevent from accident of gas leakage;
- Security nails are installed on windows for residents living in the first and second floor in the community;
- “Community Police Service Room” is founded in 9 community neighbourhood committes.
- Working personnel from Community Health Service Centre are invited to promote knowledge on food safety, first aid of food and drug poisoning and knowledge of prescription drug and nonprescription drug;
- Volunteer patrol team which has 260 persons is established for daily patrol, thus to timely inspect and eliminate unstable factors and reconcile conflicts;
- Resident convenient service card is printed and issued, on which household service telephone numbers which are commonly used are printed, such as telephone number of the community office, telephone numbers for alarm, first aid and maintenance, etc.
- “Reassuranced Key” project is developed on the basis of willingness of residents in each building, the resident can make his/her key kept by neighbours when he/she is not at home.



### Transportation Safety Project

Xinghaiwan Community is located at transportation artery in the city, main arteries of Zhongshan Road, Gaoerji Road, Xinan Road and West Major Channel run through the precinct. There are 22 bus lines and 46 bus stations in the community, it is of dense bus lines and large passenger flow volume, citizens need to go across several main arteries when taking a bus in this community, which leads to serious hidden danger for residents.

Traffic injury accounts for 28.00% in total injuries in 2006-2008, reasons for traffic accidents are mainly that foot passengers and non-motorized vehicles go across the motor vehicle lane, and motor vehicles cannot stop and yield as stipulated; inadequate injury recognition and fluke mind are another factors which causes that some residents cannot abide by traffic regulations. Therefore,

transportation safety prevention project of Xinghaiwan Community is committed to strengthening training of traffic regulations and increasing comprehensive recognition level of residents on traffic injury and further enhancing transportation safety knowledge and injury emergency treatment.

- Road surface warning symbols are painted and deceleration strips are set for Heishijiao Primary School, Xinghai Primary School and Dalian No. 46 Middle School;
- Owners who operate business on the road and brings unfavourable influence to the traffic on main arteries or near school, square or bank, etc. shall be cleaned up, and troublesome road markets are eliminated;
- Transportation safety management team composed of transportation safety supervisor, logistics security guard and volunteers is established, the team is responsible for traffic dispersion at places with high risk, and preventing unsafe behaviour of foot passengers, non-motorized vehicles and motor vehicles;
- Traffic regulations education shall be developed for residents in the community in various form;
- Activities of transportation safety into school, unit, community, building and family are developed. Transportation safety contents are established in New Hope Safety Community Promotion Centre, thus to spread transportation safety knowledge;
- Series of activities have been developed by the community with Traffic Police Brigade of Shahekou District against phenomena of weak transportation safety consciousness, illegal driving and peccancy of foot passenger, etc., furthermore, activities such as transportation safety lecture, traffic police talking and interactive recreational sports meeting of police and residents have been conducted.



### **Production Safety Project**

There are 14 construction sites and 21 Project Departments in Xinghaiwan Community in 2006, 19 construction sites and 26 Project Departments in 2007 and 17 construction sites and 22 Project Departments in 2008, construction sites in the precinct keeps increasing year by year, accumulated construction area in these three years achieves 3 million m<sup>2</sup>, and accumulated working staff is as many as more than 15,000 persons. From injury monitoring and statistic of safety functional departments, totally 58 accidents happen during these three years, 8 persons are seriously injured, and 45 persons are slightly injured. Therefore, Xinghaiwan Community decides to take production safety project as a safety project aiming at persons and environment with high risk and always pays special attention to it.

➤ Principals of each related department and enterprise are chief responsible person for safe production, responsibility of safe production shall be put into effect to each department and each person;

➤ Experts on safe production are invited to give lessons to units in the precinct, hold strict pass to the working staff, they should pass the test with related certificate. Qualification will be directly cancelled if the person fails the test continuously twice after training;

➤ Units in the precinct are organized to carry out fleeing & rescue practice;

➤ Construction safe production law enforcement linkage mechanism is implemented, joint law enforcement shall be implemented to construction units on aspects of market industrial management, labour employment, food sanitation, entity prevention and employees' right-defending, etc, strict one-ballot-veto system on safety

accident is implemented, as for projects with severe hidden danger in the examination, rectification responsible person shall be appointed, and the project must be rectified and reformed within limited period;

➤ “Safe Production Manual” shall be printed and daily-use articles of “Safety, Harmony and Happy Life” cup mat, “Promote Safety and Guarantee Health” reticule and tissue box shall be distributed to production enterprises and families of residents in the community;

➤ Convene safe production on-the-spot consultation meeting every month, hold safe production lecture, and organize residents to see warning films on safe production, etc. thus to increase safety consciousness of construction unit, migrant rural workers and residents.



### **Tour & Entertainment Safety Project**

There are lots of tour & entertainment places in Xinghaiwan Community, such as the largest square in Asia, Xinghai Square, Xinghai Park, Sun Asia Ocean World and Xinghaiwan bathing place, it is of large passenger flow volume, more than a million tourists are received every year. From injury monitoring and statistic, quantity of tourists injured in these three years is 526 persons, accounting for 7.55% of whole injured persons. Dalian International Hiking Festival, Dalian International Marathon Race, Dalian International Beer Festival and Dalian Firecracker Festival are periodically held in Xinghai Square every year, the community decides to develop tour & entertainment safety project in order to guarantee smooth implementation of activities and security of tourists.

➤ Remarkable safety symbol, evacuation direction indicating sign and evacuation exit sign shall be established;

➤ Watch tower is established in the bathing place, and ocean rescue team is founded with 10 professional life guards;

- 24-hour on-the-spot patrol is carried out to places such as Xinghai Square and Xinghai Park, and provide immediate communication and disposal if there is any hidden danger;
- All entertainment facilities shall be inspected every year and safety duty pledge is signed at the same time;
- Conditions of safety evacuation passageway, fire fighting devices, equipment, wires and emergency plan at entertainment place shall be inspected every quarter;
- Volunteer service team is established to provide safety patrol at bathing place.

### **Psychological Disease Prevention & Control Project**

Most persons may, more or less, suffer from psychological disease under high pressure of economy, society and life, which will bring unfavourable influence to the family and even to the whole community. Therefore, psychological disease prevention & control project is specially established in Xinghaiwan Community to release psychological pressure of residents.

- “Resident Wish Reception Room” is establish to reconcile primary conflict;
- Psychological consultation is developed to different persons. Under condition that there are phenomena of self-slaughter and commit suicide at sea area of Xinghai Square, Psychological Health Rectification Room is established in Xinghai Square Community Neighbourhood Committee in 2006, psychological consultation expert from Liaoning Normal University is invited to provide psychological guidance to suicide persons jointly with public security police. Totally 45 persons have been received for psychological consultation in recent years.
- Strengthen promotion activities on psychological health education.

### **Fire Prevention Project**

Fire accident in Xinghaiwan Community is mainly because residents are short of basic knowledge on fire prevention, such as forget to turn off the fire, aged gas hose is not replaced in time and deterioration of electrical wire, etc. Additionally, there are other problems, such as fire engine access in residential building is occupied, fire fighting device is damaged or lost or miscellaneous articles are piled up in the corridor, etc.

- The community has set 260 fire fighting equipment boxes and fire extinguishers, water hose and 500 fire axes in closed residential districts and main places in the precinct, thus to guarantee normal usage and adequacy of fire extinguisher, fire fighting service box, fire fighting equipment and fire fighting symbol;
- Community Fire Fighting School is founded in Xinghaiwan Fire Squadron, develop activity of “Fire Fighting Safety to the Community”, organize units and residents to take part in fire fight skill training on fireproofing and self-salvation as well as activities of onsite fire extinguishing and fleeing to promote and



popularize knowledge on fire fighting to units and residents in the precinct;

- Develop fire fighting safety education such as thematic activity of “take part in fire fighting and enjoy harmonious society”;
- Approval procedures for sales of firecracker shall be strictly controlled, and it shall be sold and set off at appointed place.

### **Senior Citizen Safety Project**

- Comprehensively enhance construction of facilities to prevent senior citizens from falling down;
- Comprehensively enhance measures to prevent senior citizens from blunt and knife/sharp injuries;
- Increase safety prevention consciousness of senior citizens;
- Organize and develop fitness activities for senior citizens;

### **Child Safety Project**

Children of 0 to 14 years old are mainly injured at school (including kindergarten), which accounts for 36.81%. From school, kindergarten, teachers and guardian of children, we can see that they are injured mainly due to falling-down or contusion, which are caused by mutual frolic, chase and fighting. Therefore, in addition to strengthening construction of facilities for preventing from falling-down and contusion at school, we should also enhance safety education to the child, thus to increase their safety protection consciousness.

- Increase investment to consummate construction of safety infrastructure at school;
- Youth self-protection class shall be established to provide psychological guidance to children;
- Safety protection consciousness of children is increased via safety education. “Morality & Credit Card for High School Students and Pupils” is established in Xinghaiwan Community in 2005, and the community closely cooperates with 3 schools in the precinct (Dalian No. 46 Middle School, Xinghai Primary School and Heishijiao Primary School), “Little Citizen to the Community” agreement is signed and morality competition is developed. Morality behaviour evaluation standard of high school students and pupils are divided into 10 stars and 100 indexes, students are to be assessed in accordance with quantitative standard, thus to determine “Star Grade”, morality consciousness of high school students and pupils is gradually increased with Star-Grade evaluation of “Morality & Credit Card for High School Students and Pupils”, phenomenon of fighting and bustup at school is significantly decreased, therefore, injury accident is reduced as well.
- “Happy dolphin: adjuvant treatment provided by dolphin to children suffering from autism” is developed in Sun Asia Ocean World in November, 2007, in this commonweal activity, there are



experts for autism treatment, and children make close contact with dolphin, ultrasonic from dolphin is adopted for special training , thus to provide adjuvant treatment.

### **Injury Monitoring**

Injury monitoring channels in Xinghaiwan Community are mainly community hospital, government functional department and sampling survey of residents. Community hospital monitoring spots include Fuguo Community Health Service Centre, Huayuan Community Health Service Centre and The Second Affiliated Hospital of Dalian Medical University; government functional departments are mainly Safety Surveillance & Administration Departments, including traffic police brigade, Xinghaiwan Fire Squadron, Community Safe Production Surveillance & Administration Station and police station, etc., the last two items serve as supplementary reference information for injuries of different categories in the community.

Xinghaiwan Community keeps adjusting and improving community safety projects in line with principles of discovering problems, analyzing problems and solving problems during 2006-2008, and injury probability is reduced year by year, injury probability in 2007 is reduced by 11.92% compared with that in 2006, and it is reduced by 20.77% in 2008 compared with that in 2007.

#### **Injury Occurrence Probability Comparison in 2006-2008 (unit: person)**

Year	Monitoring range	Injured person	Total population	Annual injury probability %
2006	January to December	2564	98697	2.60%
2007	January to December	2302	100428	2.29%
2008	January to December	2098	102037	2.06%
Comparison between 2008 and 2006		-466		-20.77%

#### **Injury Category Distribution Comparison in 2006-2008 (unit: person)**

Year	Traffic accident	Falling down	Blunt injury	Burn & scald	Animal bite	knife/ sharp injury	Poison-ing	Others
2006	726	756	588	46	56	235	22	135
2007	621	626	608	41	56	214	35	101
2008	603	564	529	39	72	185	29	77
Comparison between 2008 and 2006 (%)	-20.27%	-28.57%	-13.33%	-20.00%	16.67%	-25.00%	50.00%	-42.86%

### Injury Occurrence Place Distribution Comparison in 2006-2008 (unit: person)

Year Place	2006		2007		2008	
	Persons	Proportion	Persons	Proportion	Persons	Proportion
Home	391	15.25%	389	16.90%	340	16.21%
Road	868	33.85%	725	31.49%	648	30.89%
Working place	762	29.72%	765	33.23%	663	31.60%
School	208	8.11%	174	7.56%	177	8.44%
Sports place	177	6.90%	175	7.60%	114	5.43%
Others	158	6.16%	74	3.21%	156	7.44%
<b>Total</b>	<b>2564</b>	<b>100.00%</b>	<b>2302</b>	<b>100.00%</b>	<b>2098</b>	<b>100.00%</b>

### Injury Accident Results Comparison in 2006-2008

Accident result	Go home after treatment	Pre-hospital care/ in hospital/transfer to another hospital	Others
Proportion in 2006	88.92%	9.47%	1.61%
Proportion in 2007	89.02%	9.39%	1.59%
Proportion in 2008	89.97%	8.99%	1.04%

### Injury Monitoring of Safety Functional Department in 2007-2008

Items	2006				2007				2008			
	Quantity	Dead	Seriously injured	Slightly injured	Quantity	Dead	Seriously injured	Slightly injured	Quantity	Dead	Seriously injured	Slightly injured
Industry & mine (excluding coal mine) and commercial trade	21	0	4	18	20	0	3	15	17	0	1	12
Traffic accident	169	21	46	79	153	19	32	81	151	15	29	72
Fire	32	0	0	0	28	0	0	0	25	0	0	0
Firecracker	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>222</b>	<b>21</b>	<b>50</b>	<b>105</b>	<b>201</b>	<b>19</b>	<b>35</b>	<b>101</b>	<b>193</b>	<b>15</b>	<b>30</b>	<b>84</b>

From above data, we can see that: injury occurrence probability of residents in the community is reduced by 20.77% in 2008 compared with that in 2006; proportion of slight injury of residents in 2008 is 80.74%, which is lower than that in 2006; quantity of injured children is reduced in 2008, moreover, both quantity and proportion of injured senior citizens are reduced as well; cases require pre-hospital care/being in hospital/ transferring to another hospital account for 8.99% in 2008, injury degree of residents is reduced compared with that in 2006.

### **Information Communication**

- Go to Beijing, Shanghai and Jinan for investigation and study on safe community construction in July 2008;
- Attend “National Safety Community Construction Working Conference” which is held in Qingdao in November 2008, and Xinghaiwan Community is awarded as “National Safety Community”;
- Go to Beijing for investigation and study on safe community construction in March 2009;
- Hold expert invitation ceremony and promotion meeting on construction of international safe community in May 2009, experts are invited to give guidance on work of international safe community;
- Attend the 5<sup>th</sup> Asia Safe Community Conference and National Safety Community Working Conference in October 2009;
- Join in the international safe community network as a member in October 2009.

### **Information Materials and Manuals**

#### **Promotion brochure**

- Special promotion brochure of “Safety, Harmony and Happy Life”
- “Legal Service Hotline Card”
- “City Health Manual” (2006) (2007)
- “Household Health Safety Manual”
- “Food Safety and Health”
- “Pocketable Reading Book on Fire Fighting Safety”
- Paper proportion with theme of “Decade Achievements of Dalian and Shining Xinghaiwan”, 16 completed editions

#### **Foldout**

- “Promote Safety and Guarantee Health”
- “Household Safety Knowledge”
- “Transportation Safety Knowledge”
- “Pet Breeding Safety Knowledge”

#### **Disk**

- “Promote Safety and Guarantee Health: Working Record of Construction of Xinghaiwan Safe Community”
- “Establish Civilized Street, Build Harmonious Community: Record of “Citizen Morality & Credit Card Project” in Xinghaiwan Community”

#### **Daily life**

- “Safety, Harmony and Happy Life” cup mat
- “Promote Safety and Guarantee Health” reticule
- “Promote Safety and Guarantee Health” tissue box

### **Working Staff**

Total number: 23 persons

23 professional, part-time and full-time staff

23 regular staff

## Principal of Community



**Liang Chunbo**

Director of Xinghaiwan Safe Community Promotion Working Coordination Committee



Sunzong: Director of Xinghaiwan Safe Community Promotion Working Coordination Committee

## Conditions of Multi-departmental Professional Working Group

Professional working group	Personal constitution	Working responsibility
Safety Culture Education & Promotion Group	Promotion Department, Safe Production Surveillance & Administration Station, Xinghaiwan Fire Squadron, Heishijiao Primary School, Xinghai Primary School, Dalian No. 46 Middle School, Enchant-ed kingdom, Xinningyuan kindergarten, 9 community neighbourhood committees and community volunteers.	Be responsible for compilation and implementation of promotion and training plans of the community, keep well contact with media and try to create construction atmosphere, thus to increase awareness degree of units and residents in the community on construction work.
Accident & Injury Monitoring Group	The Second Affiliated Hospital of Dalian Medical University, Xinghaiwan Fuguo Community Health Service Centre, Xinghaiwan Huayuan Community Health Service Centre, Shahekou District Centre for Disease Control and Prevention, Safe Production Surveillance & Administration Station and 9 community neighbourhood committees.	Be responsible for compilation of forms on accident & injury investigation data, make statistic for injury data, periodically report injury prevalence status in the community, give guidance to each project group for injury reason analysis, and bring forward prevention & improvement measures.
Project Planning & Assessment Monitoring Group	Safe Production Surveillance & Administration Station, Promotion Department and 9 community neighbourhood committees.	Be responsible for compilation and implementation of project planning & assessment surveillance rules, establish safety promotion plan on the basis of injury accident status in the community, supervise and inspect implementation condition of project group and is responsible for assessment of data statistic

		analysis, etc.
Expert Consultation & Guidance Group	<p>Huang Beiping: deputy director of The Second Affiliated Hospital of Dalian Medical University;</p> <p>Zhou Xiaojian: instructor of Xinghaiwan Fire Squadron; Cong Bo: director of Dalian Academy of Safety Science and Technology;</p> <p>Chen Zhuming: Paediatrics expert of The Second Affiliated Hospital of Dalian Medical University; Shen Shaohai: chief of Grass root-level Political Power Section, Dalian Bureau of Civil Affairs; Zhang Runwen, psychological education expert of Dalian No. 46 Middle School.</p>	<p>Be responsible for compilation of technical specification on safe community construction, and give guidance to each project group to develop construction work.</p>