



# 健康手帳



*Health Handbook*



[ English ]



## • • • Using your Health Handbook • • •

### Health Handbooks: Part of the Health Promotion Act

- This handbook is an important tool used to manage your health. Manage it with care and do not lose it.
- You or a family member can fill in the sections pertaining to health screenings, health education, and health counseling. If you are unsure of what to fill in, speak with a municipal representative or have them complete it for you.
- When receiving medical care, present this handbook and your medication handbook to your doctor, dentist, or pharmacist.
- Make sure to bring the handbook with you when receiving a Specific Health Checkup.
- You should also bring it with you if taking part in a health class or workshop, or receiving health counseling.

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• • • Recording Specific Health Checkups • • •

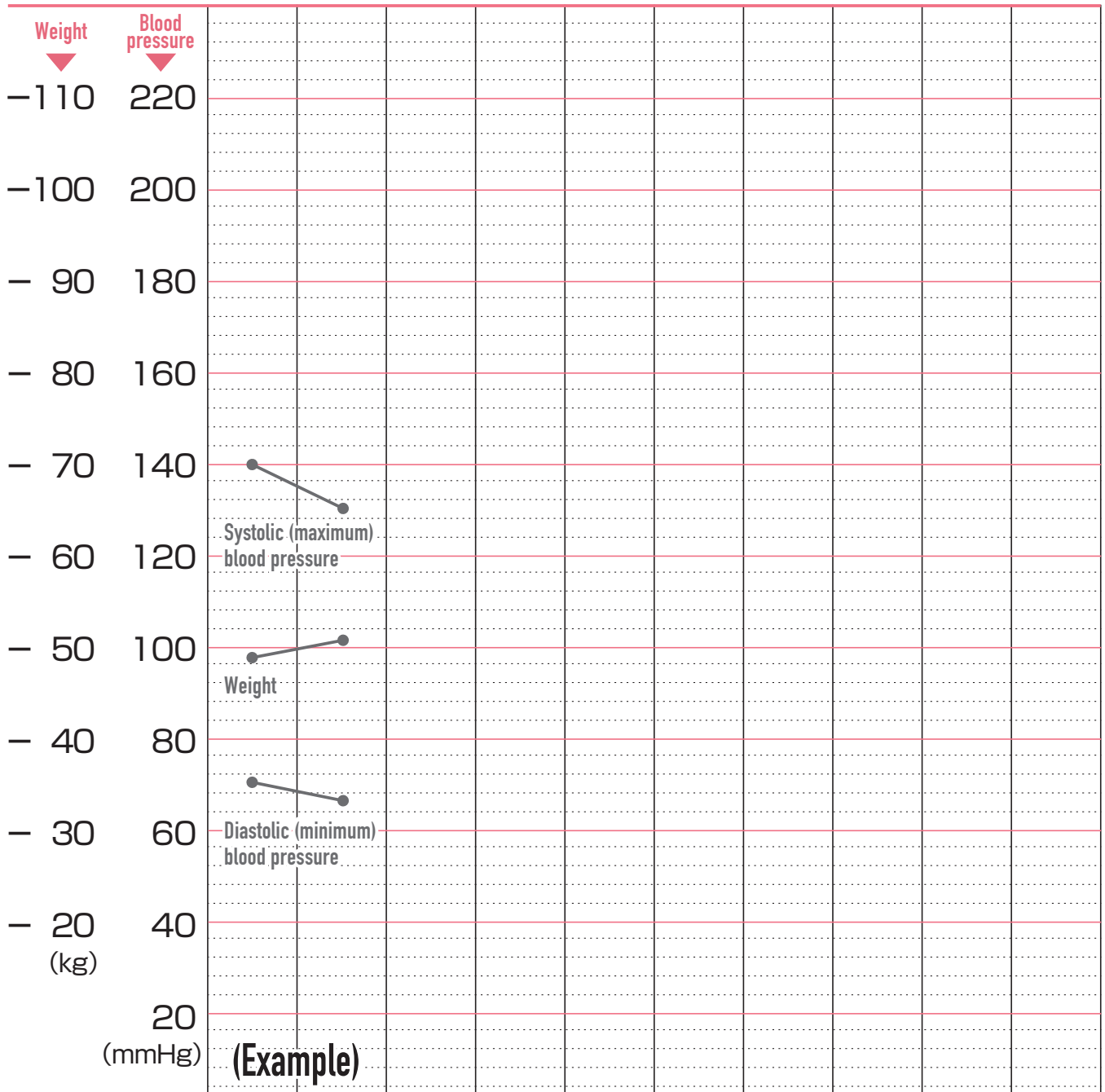
Exam date		/ /	/ /
Height (cm)			
Weight (kg)			
Waist circumference (cm)			
BMI			
Blood pressure (systolic to diastolic) (mmHg)		—	—
Blood lipid test	Triglycerides (mg/dl)		
	HDL cholesterol (mg/dl)		
	LDL cholesterol (mg/dl)		
Liver function test	AST (GOT) (U/l)		
	ALT (GPT) (U/l)		
	$\gamma$ -GT ( $\gamma$ -GTP) (U/l)		
Blood glucose test	Fasting blood glucose level (mg/dl)		
	Hemoglobin A1c (%)		
Urine test	Glucose		
	Protein		

/ /	/ /	/ /
—	—	—

Exam date		/	/	/	/
Anemia test	Erythrocyte count (10,000/mm <sup>3</sup> )				
	Hemoglobin (g/dl)				
	Hematocrit level (%)				
Renal function test	Creatinine serum (mg/dl)				
	eGFR (ml/min/1.73m <sup>2</sup> )				
ECG		No abnormality found		No abnormality found	
		Possible abnormality found		Possible abnormality found	
Ophthalmogram		No abnormality found		No abnormality found	
		Possible abnormality found		Possible abnormality found	
Others	Medical history				
	Medication history				
	Smoking history				
	Subjective symptoms				
	Objective symptoms				
Metabolic syndrome evaluation (circle the appropriate category)		Metabolic syndrome		Metabolic syndrome	
		Pre-metabolic syndrome		Pre-metabolic syndrome	
		Does not meet criteria		Does not meet criteria	
Doctor's opinion and name of doctor					
Institution					

/ /	/ /	/ /
No abnormality found	No abnormality found	No abnormality found
Possible abnormality found	Possible abnormality found	Possible abnormality found
No abnormality found	No abnormality found	No abnormality found
Possible abnormality found	Possible abnormality found	Possible abnormality found
Metabolic syndrome	Metabolic syndrome	Metabolic syndrome
Pre-metabolic syndrome	Pre-metabolic syndrome	Pre-metabolic syndrome
Does not meet criteria	Does not meet criteria	Does not meet criteria

## Blood pressure and weight log



<b>Date measured</b>		4 / 1	8 / 1	/	/	/	/	/	/	/
<b>Blood pressure</b>	<b>Systolic</b>	140	132	/	/	/	/	/	/	/
	<b>Diastolic</b>	70	68	/	/	/	/	/	/	/
<b>Weight (kg)</b>		49	51							



										Blood pressure	Weight
										▼	▼
										220	110 -
										200	100 -
										180	90 -
										160	80 -
										140	70 -
										120	60 -
										100	50 -
										80	40 -
										60	30 -
										40	20 -
										20	(kg)
										(mmHg)	
/	/	/	/	/	/	/	/	/	/	Date measured	
/	/	/	/	/	/	/	/	/	/	Systolic	Blood pressure
/	/	/	/	/	/	/	/	/	/	Diastolic	
										Weight (kg)	

• • • Interpreting the results of a Specific Health Checkup • • •

Item		Explanation
Waist circumference		A CT scan is performed in order to measure visceral fat in the abdomen. If the total area is over 100cm <sup>2</sup> , this is referred to as excess accumulation. The standard for men is 85cm, and for women it is 90cm. This metric is used as a basis to determine whether a person has metabolic syndrome.
BMI		BMI is an acronym for Body Mass Index and is used to determine the threshold for obesity. Body weight and height are applied to the following formula. $\text{BMI} = \text{weight (kg)} / \text{height (m)} \times \text{height (m)}$ The threshold set by the Japan Society for the Study of Obesity sets a BMI of 22 as the threshold at which a person is statistically least prone to diabetes, hypertension, and dyslipidemia. A BMI of 25 or higher is considered obese, with obesity ranked across four levels.
Blood pressure		Blood pressure is measured in the systolic and diastolic phases (contraction and release) to determine whether a person has hypertension. The main cause of hypertension in Japanese people is excess sodium consumption. Other causes of hypertension are obesity, alcohol consumption, and lack of exercise. Alongside smoking, hypertension is considered a major risk factor for lifestyle diseases.
Blood lipid test	Triglycerides	Triglycerides, also called fats, are found in meat, fish, and cooking oils, as well as in body fat. A high triglyceride content in the blood is used as a diagnostic criterion for metabolic syndrome.
	HDL cholesterol	Considered the “good” cholesterol, this form helps prevent arteriosclerosis. It absorbs excess cholesterol and wipes the vascular walls clean of excess cholesterol, returning it to the liver. Lifestyle habits like smoking and lack of exercise contribute to decreased HDL cholesterol.
	LDL cholesterol	Considered the “bad” cholesterol, it is responsible for transporting cholesterol produced in the liver to the rest of the body. Excess LDL cholesterol can cause arteriosclerosis and lead to myocardial infarction and cerebral infarction (stroke).
Liver function test	GOT/GPT	GOT is also called “AST,” and is an enzyme found in large quantities in the heart, muscles, and liver. GPT is also called “ALT,” and it is an enzyme found in large quantities in the liver. High GOT and GPT levels can cause acute and chronic hepatitis, fatty liver, liver cancer, and alcoholic hepatitis.
	γ -GTP	γ -GTP is an enzyme that breaks down protein. It is secreted in the biliary tract and aids the liver in detoxification. γ -GTP levels increase when consuming large amounts of alcohol or due to biliary tract impairments, so it is used as an indicator of liver function.

Item		Explanation
Blood glucose test	Fasting blood glucose	Glucose level is also referred to as “blood sugar”. The risk of diabetes increases twofold when glucose is 100mg/dL or higher after fasting, so this is used as a metric for Specific health guidance.
	Hemoglobin A1c	Hemoglobin A1c is a measure of how much erythrocyte hemoglobin is bound to glucose (glycated hemoglobin). Hemoglobin A1c levels change per the blood glucose level from 1-2 months prior, so this serves as an indicator of whether blood sugar is under control.
Urine test	Glucose	When glucose concentration in the blood is so high that is cannot be reabsorbed, glucose appears in the urine. Conditions like diabetes, hyperthyroidism, and renal glucosuria can cause glucose to appear in the urine.
	Protein	When the urine contains above a certain threshold of protein, it is referred to as albuminuria. The kidneys function by filtering impurities and producing urine. Proteins required by the body are reabsorbed and returned to the bloodstream, but abnormalities of the kidneys, ureter, or other secretory organs can cause protein to fail to be reabsorbed and release into the urine.
Anemia test	Erythrocyte count	Erythrocytes convey oxygen throughout the body and absorb carbon dioxide, sending it to the lungs. Excess erythrocytes may indicate a condition called polycythemia, and a shortage may indicate anemia.
	Hemoglobin	Hemoglobin is the oxygen-carrying pigment and predominant protein in the red blood cells. A lack of iron can inhibit the body from synthesizing hemoglobin and reduce the number of red blood cells, causing iron deficiency anemia and putting you at risk of palpitations, shortness of breath, fatigue, and headaches.
	Hematocrit level	Hematocrit level indicates the percentage of erythrocytes (red blood cells) in the bloodstream. A low hematocrit level can indicate anemia, while a high level can indicate polycythemia.
Renal function test	Creatinine	High creatinine serum levels are implicated in decreased renal function. Even if you do not have subjective symptoms, kidney function may be significantly impaired, so caution is advised.
	eGFR	Estimated glomerular filtration rate (eGFR) is computed based on creatinine serum levels, age, and sex. It is used as an indicator of kidney function.

• • • **Specific health guidance** • • •

Date	/ /	/ /
Specific health guidance (circle the applicable category)	Intensive health guidance	Intensive health guidance
	Motivational health guidance	Motivational health guidance
	N/A	N/A
Others  (describe nature of support offered)		

/ /	/ /	/ /
Intensive health guidance	Intensive health guidance	Intensive health guidance
Motivational health guidance	Motivational health guidance	Motivational health guidance
N/A	N/A	N/A

## Health education

### Health education log

Date	Enter details (nature of consultation/guidance)
/ /	
/ /	
/ /	

### Health consultation log

Date	Enter details (nature of consultation/guidance)
/ /	
/ /	
/ /	

# Visiting instruction log

Date	Enter details (nature of guidance)
/ /	
/ /	
/ /	

• • • Dental disease and osteoporosis screenings • • •

### Dental disease screenings

Exam date		/ /	/ /
Evaluation		No abnormalities	No abnormalities
		Requires guidance	Requires guidance
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

### Osteoporosis screenings

Exam date		/ /	/ /
Evaluation		No abnormalities	No abnormalities
		Requires guidance	Requires guidance
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		



**Dental disease screenings**

/ /	/ /	/ /
No abnormalities	No abnormalities	No abnormalities
Requires guidance	Requires guidance	Requires guidance
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

**Osteoporosis screenings**

/ /	/ /	/ /
No abnormalities	No abnormalities	No abnormalities
Requires guidance	Requires guidance	Requires guidance
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

## • • • Gastric and lung cancer screenings • • •

### Gastric cancer screenings

Exam date		/ /	/ /
Evaluation		No comprehensive exam necessary	No comprehensive exam necessary
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

### Lung cancer screenings

Exam date		/ /	/ /
Evaluation		No comprehensive exam necessary	No comprehensive exam necessary
		Requires comprehensive exam	Requires comprehensive exam
Sputum cytology		Performed / not performed	Performed / not performed
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

**Gastric cancer screenings**

/ /	/ /	/ /
No comprehensive exam necessary	No comprehensive exam necessary	No comprehensive exam necessary
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

**Lung cancer screenings**

/ /	/ /	/ /
No comprehensive exam necessary	No comprehensive exam necessary	No comprehensive exam necessary
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
Performed / not performed	Performed / not performed	Performed / not performed
/ /	/ /	/ /

## Colorectal cancer screenings

### Colorectal cancer screenings

Exam date		/ /	/ /
Evaluation		No comprehensive exam necessary	No comprehensive exam necessary
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

**Colorectal cancer screenings**

/ /	/ /	/ /
No comprehensive exam necessary	No comprehensive exam necessary	No comprehensive exam necessary
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

• • • Cervical and breast cancer screenings • • •

**Cervical cancer screenings**

Exam date		/ /	/ /
Evaluation		No comprehensive exam necessary	No comprehensive exam necessary
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

**Breast cancer screenings**

Exam date		/ /	/ /
Evaluation		No comprehensive exam necessary	No comprehensive exam necessary
		Requires comprehensive exam	Requires comprehensive exam
Institution			
Comprehensive exam	Exam date	/ /	/ /
	Institution		

**Cervical cancer screenings**

/ /	/ /	/ /
No comprehensive exam necessary	No comprehensive exam necessary	No comprehensive exam necessary
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

**Breast cancer screenings**

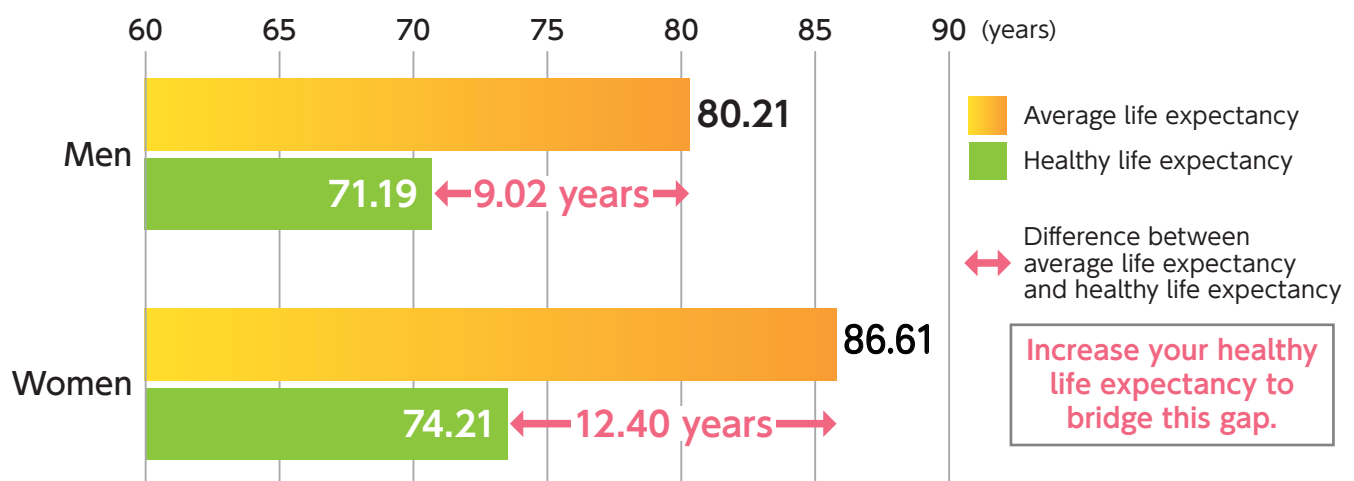
/ /	/ /	/ /
No comprehensive exam necessary	No comprehensive exam necessary	No comprehensive exam necessary
Requires comprehensive exam	Requires comprehensive exam	Requires comprehensive exam
/ /	/ /	/ /

## • • • Extending your healthy life expectancy • • •

### What is considered a healthy life expectancy?

Healthy life expectancy refers to the length of time one can engage in everyday life without restrictions. This means being able to rise from bed, change clothes, eat, and bathe without assistance, as well as go out of doors, engage in work and chores, studies, and exercise unaided. However, there is a ten-year gap between Japanese people's average life expectancy and their healthy life expectancy, implying that they spend many years infirm. The key is extending one's healthy life expectancy beyond the average life expectancy.

### Average life expectancy and healthy life expectancy (male/female)



Graph created based on:

1. Average life expectancy: Ministry of Health, Labour, and Welfare, 2013 Simplified Life Expectancy Tables
2. Healthy life expectancy: Ministry of Health, Labour, and Welfare, 2013 Simplified Life Expectancy Tables; 2013 Statistical Analysis of Population Dynamics; 2013 Comprehensive Survey of Living Conditions and Ministry of Internal Affairs and Communications, 2013 Estimated Population



## Preventing lifestyle diseases

### What are lifestyle diseases?

Lifestyle diseases are ailments caused by diet, exercise, rest, smoking, and alcohol consumption habits, and they include conditions like cancer, respiratory diseases, diabetes, and chronic obstructive pulmonary disease (COPD).

Not only are lifestyle diseases the foremost inhibitor of health and longevity, but they put a major strain on national healthcare costs. Improving your lifestyle habits can help prevent these ailments.

### Some lifestyle diseases

**Diet related:** diabetes, obesity, dyslipidemia (excluding familial), hyperuricemia, circulatory disorders (excluding congenital), colorectal cancer (excluding familial), dental disease, etc.

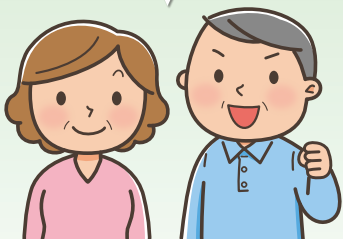
**Exercise related:** diabetes, obesity, dyslipidemia (excluding familial), hypertension, etc.

**Smoking related:** cancer, circulatory disease (excluding congenital), chronic obstructive pulmonary disease (COPD), dental disease, etc.

**Alcohol related:** cancer, liver disease, diabetes, circulatory diseases, dyslipidemia, hypertension, dementia, etc.

### Preventing lifestyle diseases

Prevention starts every day



Learn how to structure your everyday life to keep illness at bay.

Periodically check your progress



Get periodic checkups to see results.

Learn more about the illness



Learn about lifestyle diseases to understand them better.

# Eating a balanced diet

## Eat a balanced diet of carbohydrates, main dishes, and side dishes

Preventing lifestyle diseases requires eating a balanced and high-quality diet three times a day at regular intervals. Also, trying to maintain good nutrition is quite important in terms of slowing the decline in physical functions due to the aging. Combine carbohydrates, main dishes, and side dishes for a balanced diet.

### Dietary balance guide

#### The top below represents diet and exercise balance.

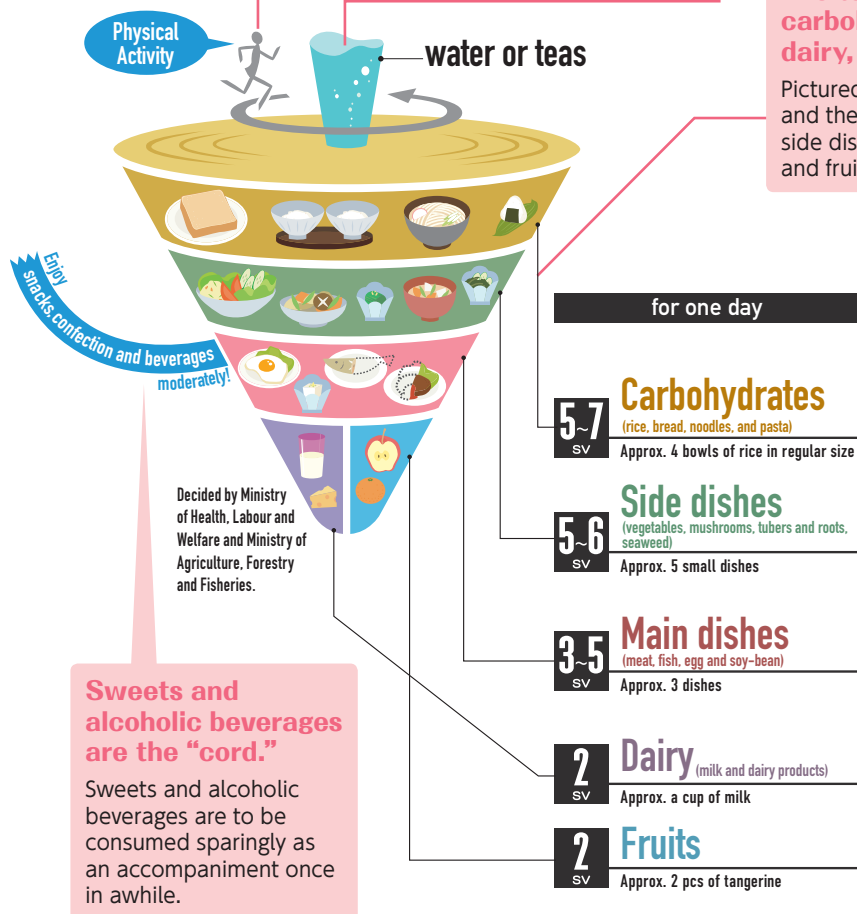
The top describes how an imbalanced diet can cause your health to “topple,” and how keeping the top spinning well requires ongoing exercise.

#### Liquids are the axis.

Beverages like water and tea are the axis that keeps the top spinning and are essential to every meal.

#### The top depicts the five categories of: carbohydrates, side dishes, main dishes, dairy, and fruits.

Pictured are, from above, the quantities of each food group and their priority. You need moderate carbohydrates, then side dishes, then main dishes, followed by dairy products and fruits, the latter two in approximately similar amounts.



\* SV is an abbreviation of “Serving”, which is a simply countable number describing the approximated amount of each dish or food served to

#### Each category depicts what to eat, and how much.

The top pictured below indicates the suggested daily intake of different good groups and the relative quantities. To check how many dishes you are eating versus the target, check the chart at right.

## Consume sodium sparingly

Excess sodium consumption puts us at risk for hypertension, which leads to circulatory diseases, as well as gastric cancers. The Japanese diet has traditionally contained high quantities of soy sauce, miso paste, pickles, and other salty foods. Use low-sodium versions of these ingredients or try herbs for flavor in order to cut down on sodium consumption in your everyday life as you become more accustomed to less salty food.

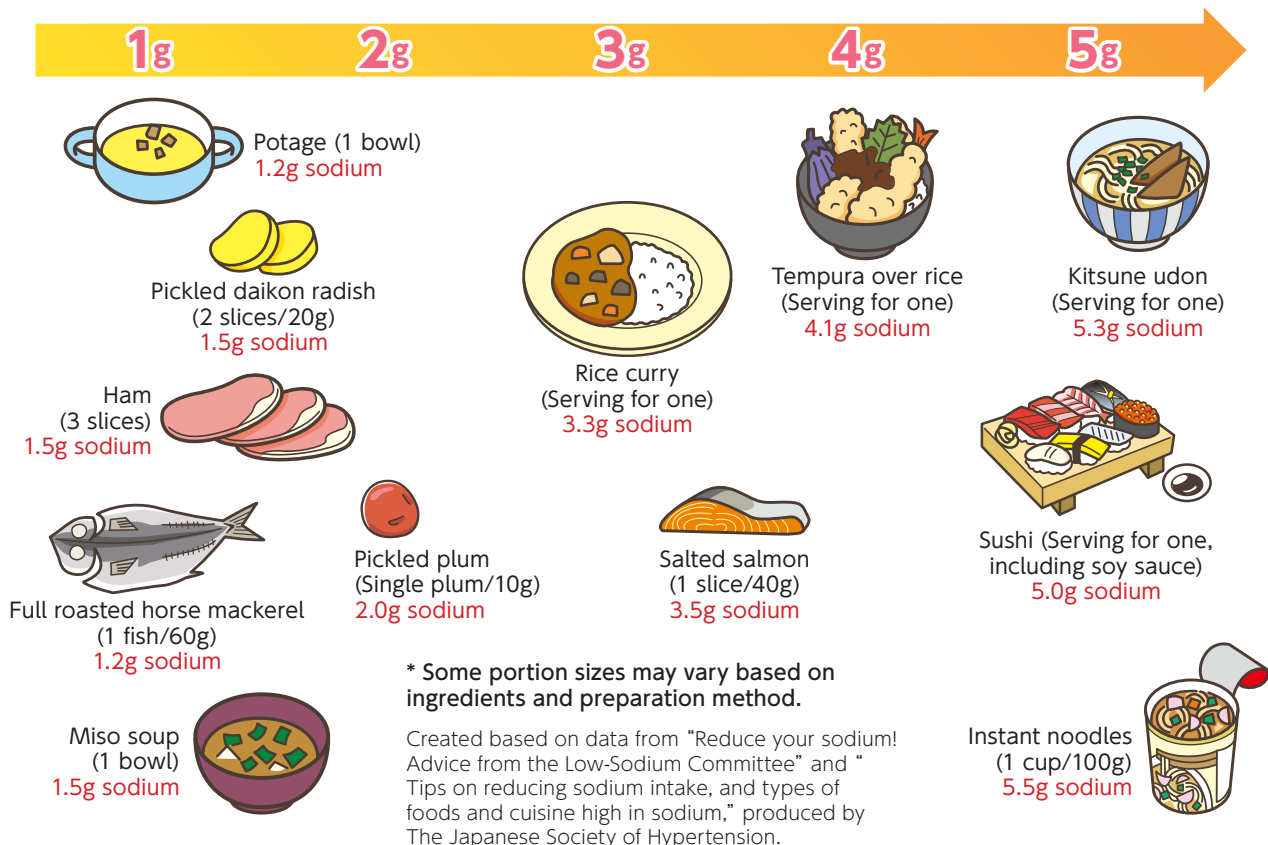
## Daily sodium consumption

Men: Up to **7.5 g**

Women: Up to **6.5 g**

Source: Ministry of Health, Labour, and Welfare, Japanese dietary intake standards, 2020.

## Average sodium levels



## Consume lots of vegetables and moderate fruits

Fruits and vegetables are rich in vitamins and minerals and dietary fiber. Daily consumption can help prevent cancer, circulatory diseases, and diabetes.

Grilling, boiling, or steaming vegetables before eating them reduces their size and makes them more palatable. Note that you should avoid excess sodium when cooking.

## Daily vegetable consumption

### Daily vegetable consumption

**350g** daily

Source: Ministry of Health, Labour, and Welfare, Healthy Japan 21 (Secondary Report)

## 100g of vegetables



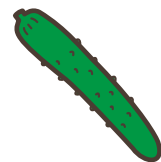
1 medium-sized tomato



1/8 daikon radish (root)



1/2 medium-sized head of lettuce



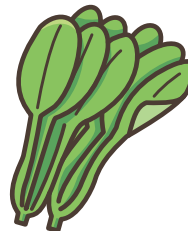
1 cucumber



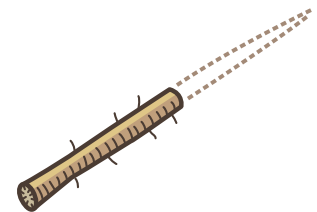
1/2 sprig of broccoli



1/2 medium-sized carrot



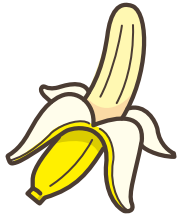
2 medium-sized sprigs of Japanese mustard spinach



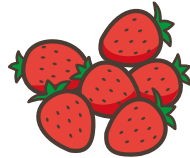
1/2 burdock root

\* The above is intended as a sample; vegetable sizes may vary slightly.

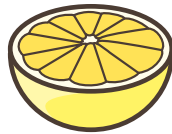
## Daily fruit consumption (approx. 100g)



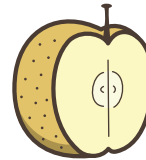
1 banana



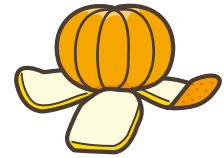
6 strawberries



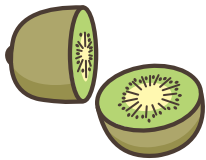
1/2 grapefruit



1/2 pear



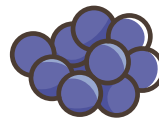
1 tangerine



1 kiwifruit



1/2 apple



1/2 bunch of grapes



1 persimmon

\* Calories: approx. 50kcal (1 banana contains approx. 100kcal)

## Enjoy your meals

Try to make meals more fun. Having more meals with friends and family is healthy for body and mind.

## Pursuing moderate exercise

### Fitness as the key to sound health

Proper exercise is essential to maintaining a healthy body. Engaging in regular physical activity decreases the risk of diabetes, heart disease, stroke, cancer, leg pain, depression, dementia, and more. Physical activity and exercise are today recommended as key to good health, with targets recommended by age group. Take due precautions when engaging in exercise and up your physical activity.

### Healthy exercise goals (based on 2013 Healthy Physical Exercise Standards)

	Physical activity (lifestyle and exercise)	Exercise	
65+	Practice a bit more activity than you are now (for example, 10 minutes more walking)	40 minutes of physical activity <b>daily</b> (any intensity)	—
18 - 64		60 minutes of physical activity <b>daily</b> (more intense than walking)	60 minutes of exercise <b>weekly</b> (should produce shortness of breath and sweat)
17 and under		<p><b>Additional notes:</b> Children should spend <b>at least 60 minutes or more</b> of physical activity <b>daily</b> on activities like playing, everyday activities, physical fitness, or sports. Japan Sport Association, Active Child 60 Min. - Guidelines for Physical Activity by Children</p> <p>Infants should spend <b>a total of 60 minutes or more</b> enjoying moving their bodies <b>daily</b>, predominantly by playing. Ministry of Education, Culture, Sports, Science and Technology, Infancy Exercise Guidelines</p>	
		Maintain a habit of regular exercise (30+ minutes a day, 2+ times a week)	

### Safety precautions

- ✓ Gradually increase the amount of time you dedicate to exercise; do not do it all at once.
- ✓ Do not attempt to overdo it if you do not feel well.
- ✓ If you are ill or injured, consult with a doctor or specialist first.

## Practicing +10

Simply engaging in ten more minutes of physical activity each day and moving daily can reduce the risk of death, lifestyle disease, and cancer by 3–4%. Practice adding that +10 to your daily physical activity in a low-stress way.

## Benefits of physical activity

If you have metabolic syndrome or mild symptoms of lifestyle disease, you can incorporate the +10 routine into your life to see benefits. Burning visceral fat helps slim the abdominal circumference and reduce weight, as well as improve symptoms of hypertension, dyslipidemia, and hyperglycemia.

Ideally, you should practice 30–60 minutes (per day) of moderate, non-strenuous exercise, like walking, three or more times a week.

Walking is a great way to add +10.



Practice abdominal exercises while seated at the office.



Use the stairs!



Sit down and get up slowly, practicing squats.



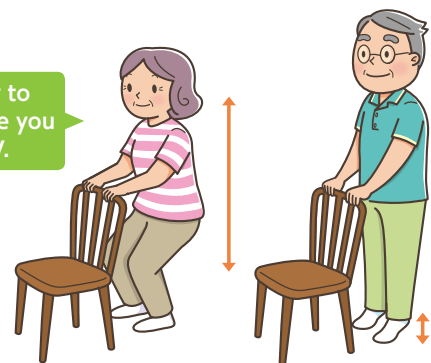
## Add an effortless +10 to your daily routine

Avoid staying still for long periods of time. Do some chores around the house or tend the garden, or incorporate exercise into your daily routine. Make time to move and stretch the body each day.

Stretching helps ease the body and mind.



Use a chair to exercise while you watch TV.



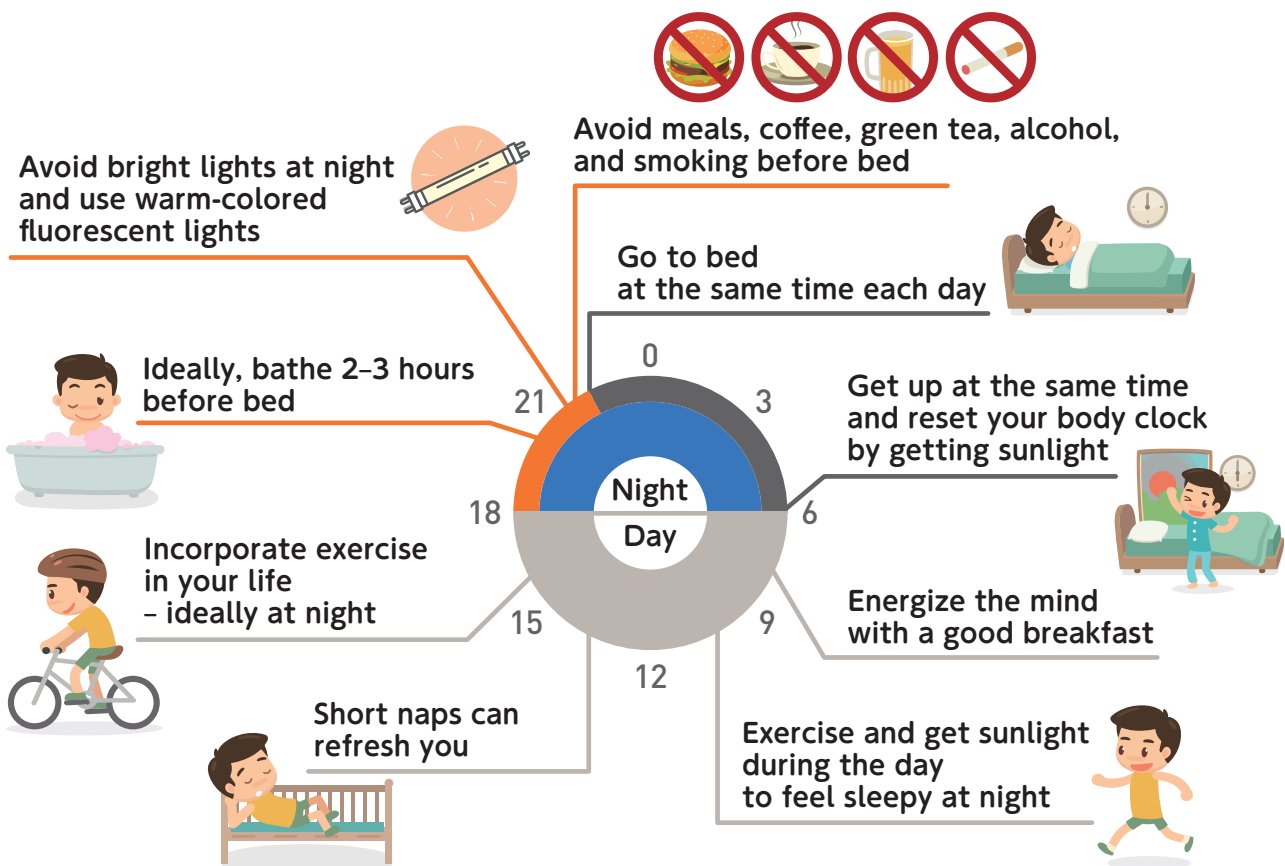
# Getting sufficient sleep

## Rest and health

We spend one third of our lives sleeping. Healthy sleep is what allows our bodies to truly rest and unwind. Healthy sleep requires a regular sleep schedule. The body has an internal “clock” that controls not only when we feel sleepy, but the secretion of hormones and other biological processes. Leading a proper schedule in your daily life will ensure that you get better sleep.

Practicing regular exercise and bathing 2-3 hours before bed leads to higher quality sleep. Getting enough sunlight as soon as you wake up also helps reset the body clock, leading to better sleep. In addition, it is key to have good bedding equipment to keep your body in a comfortable, stress-free position.

## Habits conducive to better sleep



Source: Ministry of Health, Labour, and Welfare e-Health Net: Sleep and Lifestyle



# Quitting smoking

## How tobacco affects your health

Tobacco smoke contains approximately 200 hazardous substances, among them nicotine and tar, as well as approximately 70 cancer-causing agents. These substances cause harm to the DNA and inflame the cells, as well as cause reactive oxygens to be produced. These produce a range of negative effects and ailments in the human body. In particular, the risk of cancer, ischemic heart disease (angina pectoris, myocardial infarction), and chronic obstructive pulmonary disease (COPD<sup>\*1</sup>) are much more elevated; these are considered to be the three major smoking-related ailments.

\*1 What is chronic obstructive pulmonary disease (COPD)?

Continued exposure over many years to the hazardous substances in tobacco can cause chronic inflammation of the bronchial tubes and destruction of the alveoli<sup>\*2</sup>. This leads to decreased pulmonary function and difficulty breathing, with a shortage of oxygen. Once the alveoli are damaged, they cannot be repaired, so rapid detection, smoking cessation, and proper treatment can prevent further worsening.

\*2 The pulmonary alveolus is a small pouch-shaped structure at the back of the lungs through which inhaled air travels from the bronchi. It is responsible for converting carbon dioxide in the blood into oxygen.

## The risks of second-hand smoking

The hazardous substances found in tobacco are more plentiful in the smoke that wafts off of the tobacco than that inhaled by the smoker. Inhaling this smoke is called second-hand smoking, and it carries major risks. Do your best to not expose yourself to tobacco smoke.

## Take advantage of smoking cessation assistance

In April of 2006, health insurance in Japan became applicable to smoking cessation treatment. Patients meeting the threshold for treatment can receive care at clinics while covered by insurance. Use of smoking patches and medication can help the patient wean themselves off of tobacco.

### ■ Main health problems caused by tobacco

#### First-hand smoking

##### Cancer

Nasal and paranasal cavity cancer, oral/pharyngeal cancer, laryngeal cancer, esophagus cancer, lung cancer, liver cancer, gastric cancer, pancreatic cancer, bladder cancer, cervical cancer

##### Other ailments

Stroke, nicotine dependence, dental disease, chronic obstructive pulmonary disease (COPD), decreased respiratory function, tuberculosis (death), ischemic heart disease, abdominal aortic aneurysm, peripheral arteriosclerosis, type 2 diabetes

##### Pregnancy and childbirth

Premature birth, low birth weight, fetal development delay

#### Second-hand smoking

##### Adults

Stroke, nasal and odor sensitivity, lung cancer, ischemic heart disease

**Children**  
History of asthma

**Pregnant women**  
Sudden infant death syndrome (SIDS)



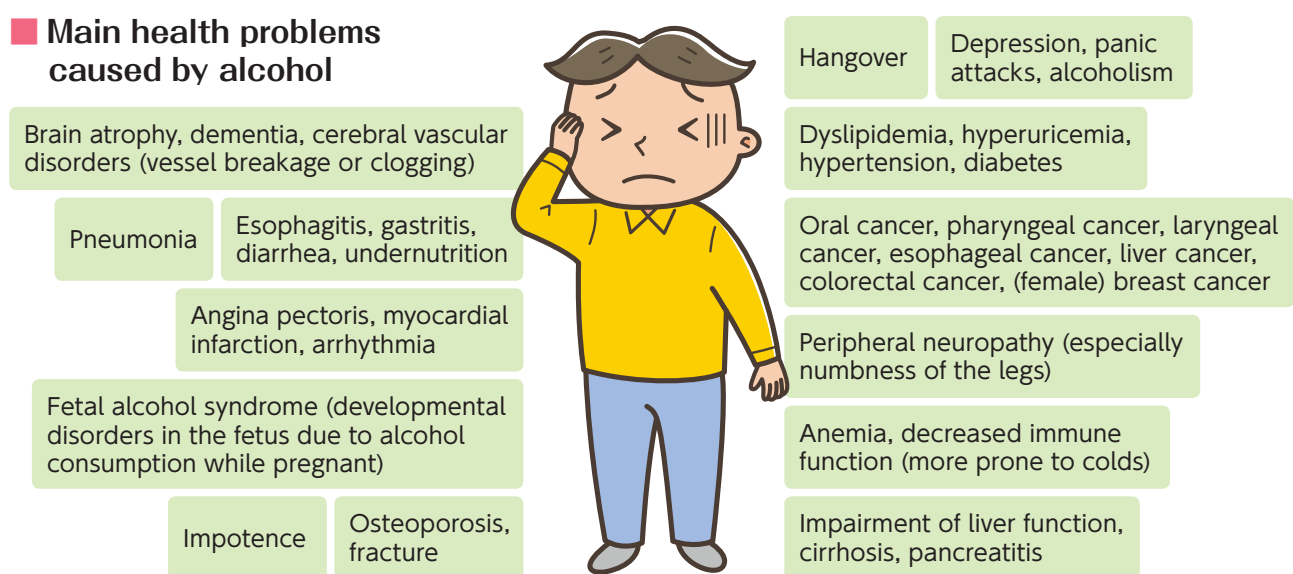
Ministry of Health, Labour and Welfare,  
Report on Health Effects of Smoking  
and Health

## Consuming alcohol in moderation

### Health problems caused by drinking

Alcohol is generally absorbed into the small intestine and then enters the bloodstream, where it is sent throughout the body. Alcohol affects not only the kidneys, but the entire body, and can affect the health in various ways. Therefore, simply having a low  $\gamma$ -GTP level on a health screening may not necessarily be an indicator that one is free of health concerns.

#### Main health problems caused by alcohol



Those who consume strong alcohol straight cause the oral cavity and esophageal surface to be covered in alcohol, which can produce inflammations that lead to cancer. Furthermore, those who experience flushing\* when consuming alcohol (including those who have greater tolerance now but had flushing in the past) are believed to be more at risk of cancer from alcohol consumption.

\* What is flushing?

Flushing refers to redness of the face, nausea, palpitations, drowsiness, and headaches following consumption of small quantities of alcohol like one cup of beer. This often occurs in those with a weakness to aldehyde dehydrogenase, the enzyme produced when alcohol is broken down.

## • • • Maintaining dental and oral health • • •

### Practice the 8020 plan to maintain healthy teeth

8020 is an initiative to help the elderly maintain 20 or more teeth even after reaching age 80, allowing people to enjoy eating food without dentures for the entirety of their lives. Having 20 or more teeth allows for biting even hard foods with relative ease. Achieving this goal requires everyone, from children to adults, understanding how to prevent cavities and dental disease and doing their best to preserve their natural teeth.

### Preventing tooth decay

Successfully preventing tooth decay requires practicing self-care at home by brushing your teeth daily, as well as receiving professional care in the form of cleanings by dentists and dental hygienists, and the use of fluoride-enriched toothpaste and rinses.

### Preventing dental disease

Dental disease is caused when bacteria penetrates the space between the gums (dental pockets) and produces an inflammation, as well as breaks down the bones (alveolar bones) supporting the teeth, causing loosening. Unlike caries, it is not generally painful, so it proceeds without the person noticing, eventually leading to bleeding or teeth falling out. Properly brushing the teeth daily and having plaque periodically removed are essential to preventing dental disease.

### Dental disease self-check

If any of the symptoms below apply to you, you may be at risk of dental disease. Consult with a dental clinic to get a screening.

- |  |  |
|--|--|
| <input type="checkbox"/> My mouth feels sticky when I wake up. | <input type="checkbox"/> My gums are sometimes inflamed.                               |
| <input type="checkbox"/> I bleed when brushing my teeth.       | <input type="checkbox"/> My gum line has receded,<br>and I have gaps between my teeth. |
| <input type="checkbox"/> I struggle to bite hard objects.      | <input type="checkbox"/> My teeth are loose.   |
| <input type="checkbox"/> I have bad breath.                    |  |

The categories below are known to be at-risk groups for dental disease.

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Those aged 45 and older | <input type="checkbox"/> Pregnant women      | <input type="checkbox"/> Those with difficulty<br>brushing their teeth |
| <input type="checkbox"/> Smokers                 | <input type="checkbox"/> Those with diabetes |  |

## Personal notes

<b>Name</b>		Male Female
<b>Date of birth</b>	(YYYY-MM-DD)	
<b>Blood type</b>	( Rh + - )	
<b>Address</b>	Zip code: Telephone:	
<b>Workplace</b>	Name of workplace: Telephone:	
<b>Emergency contact</b>	Contact name: Telephone:	
<b>Attending doctor:</b>	Medical institution: Telephone:	
<b>Insurance card number</b>	Medical coverage	
	Nursing coverage	
<b>Health records (medical history, abnormalities, etc.)</b>		



NAME \_\_\_\_\_