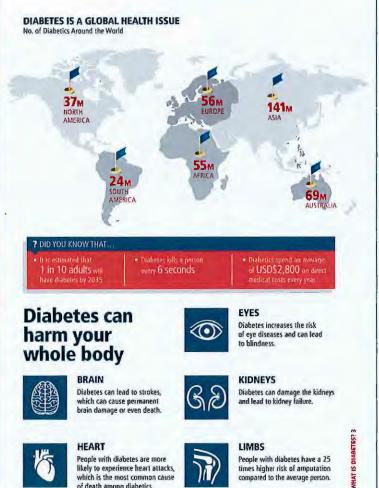


#### WHAT IS DIABETES?

WHAT IS DIABETES? 2 t Due to the lifestyle and working conditions on board vessels, seafarers have been shown to have a higher risk of developing type 2 diabetes. Diabetes is a disease in which your body cannot create or use a substance known as insulin. This leads to high blood sugar, which damages your body over time. Without the proper lifestyle adjustments, people with type 2 diabetes may require medication or even daily insulin injections for the rest of their lives. This guide outlines some of the lifestyle adjustments you can take to reduce your risk of developing the disease.



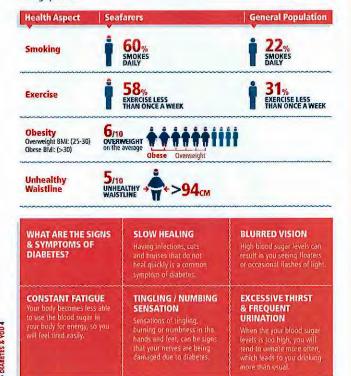
likely to experience heart attacks, which is the most common cause of death among diabetics.

People with diabetes have a 25 times higher risk of amputation compared to the average person.

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# COUSY DISEASE." Elaine Stritch, Broadway Singer

WHY DO SEAFARERS HAVE A HIGHER RISK OF DIABETES? As a group, seafarers have been shown to smoke more, exercise less and eat more than the average person.



ARE YOU AT RISK? Fill out the questionnaire on the right to find out your risk

diabetes. Use the scoring table below to check your diabetes score.

of developing

For example, a diabetes score of 37 will mean that you are at moderate risk and have a 1 in 6 chance of developing type 2 diabetes within the next ten years

What is your gender?	Female	0 pt
	Male	5 pt
How old are you?	<45 years	0 pt
	45-54 years	7 pt
	55-64 years	10 pt
	>64 years	13 pt
What is your body-mass	<25	0 pt
index (BMI)? BMI=Weight(KG) / Height²(M)	25-30	3 pt
onn-rreightikot / neight (int	>30	10 pt
What is your waist circumference? (Measured around the navel)	<94cm	0 pt
	94-102 cm	7 pt
	>102 cm	9 pt
Do you exercise at least 150 minutes a week?	Yes	0 pt
	No	3 pt
Are you a smoker?	No	0 pt
	Yes	4 pt
Do you eat fruits or	Yes	0 pt
vegetables daily?	No	2 pt
Have you ever been diagnosed	No	0 pt
with high blood pressure?	Yes	4 pt
Have you ever been diagnosed with high blood glucose?	No	0 pt
	Yes	12 pt
Does your family have a history	No	0 pt
of diabetes?	Yes: grandparent, aunt, uncle or cousin	5 pt
	Yes: parent, siblings, children	8 pt

DIABETES SCORE



#### SCORING SYSTEM

< 19 Low 1 in 100 19-30 Slight 1 in 25 31-38 Moderate 1 in 6 39-54 High 1 in 3	Score	Risk	Probability of developing type 2 diabetes within the next 10 years	
31-38 Moderate I In 6	< 19	Low	1 in 100	
	19-30	Slight	1 in 25	o non a subaru
39-54 High 1 in 3	31-38	Moderate	I in 6	
	39-54	High	1 in 3	
SH Very Hun 1 In 2	- m	Very High	1 In 2	

CH DIABETES & YOU 4

## **"GIVING UP SMOKING IS EASY.** I KNOW IT BECAUSE I HAVE DONE IT A THOUSAND TIMES."

#### - Mark Twain, Humourist

HEALTH

BENEFITS

SMOKING

MOXING & DIABETES 6

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OF QUITTING

ow long you ave smoked, uitting smoking vill allow you to ve longer and e healthier.

#### **SMOKING - A GLOBAL HEALTH ISSUE**

It is estimated that 22% of the world population are active smokers, and around 6 million people die annually from tobacco use and exposure to tobacco smoke.

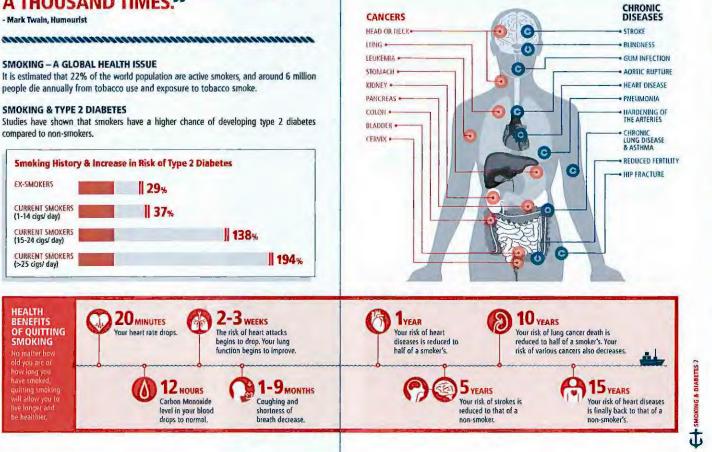
#### **SMOKING & TYPE 2 DIABETES**

compared to non-smokers.

#### Smoking History & Increase in Risk of Type 2 Diabetes EX-SMOKERS 29% CURRENT SMOKERS (1-14 cigs/ day) || 37% CURRENT SMOKERS (15-24 cigs/ day) 138% CURRENT SMOKERS (>25 cigs/ day) 194%

#### SMOKING IS EXTREMELY HARMFUL!

Smoking is one of the unhealthiest activities for anyone. It affects nearly every organ in the body and up to half of its current users will eventually die from a tobacco-related disease.



## "TO ENJOY THE GLOW OF GOOD HEALTH, YOU MUST EXERCISE."" - Gene Tunney, Boxer

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#### **OBESITY & DIABETES**

Worldwide obesity has doubled since 1980. It is estimated now that 1.9 billion people of the world population is either overweight or obese. Obesity has been shown to be one of the leading causes of type 2 diabetes.

Height	Normal Range (BMI <25)	Overweight Range (BMI 25-30)	Obesity Range (BMI 25-30)
1.50m	<59kg	59 - 68kg	>68kg
1.55m	<62kg	62 - 72kg	>72kg
1.60m	<67kg	67 - 77kg	>77kg
1.65m	<71kg	71 - 82kg	>82kg
1.70m	<75kg	75 - 87kg	>87kg
1.75m	<80kg	80 - 92kg	>92kg
1.80m	<84kg	84 - 97kg	>97kg
1.85m	<89kg	89 - 103kg	>103kg
1.90m	<94kg	94 - 108kg	>108kg

If you are in the overweight or obese range, consider losing some weight. Studies have shown th overweight person can reduce his risk of diabetes by 33% if he can lose 7% of his body weight.

#### **OBESITY IS UNHEALTHY**

**EXERCISE & DIABETES 8** 

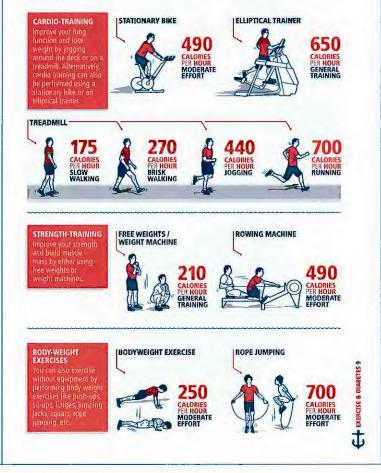
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People who are obese suffers from more health issues and have a higher chance of premature death from all causes compared to a healthy person.



#### **REGULAR EXERCISE IS IMPORTANT**

It is recommended that you exercise at least 3 times and expend at least 700 calories a week for a healthy lifestyle. There are many ways in which you can exercise while on board the vessel.



## "THE DOCTOR OF THE FUTURE WILL GIVE NO MEDICINE, BUT WILL INVOLVE THE PATIENT IN THE PROPER USE OF FOOD, FRESH AIR AND EXERCISE."

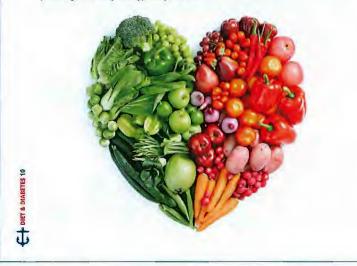
#### - Thomas Edison, Inventor

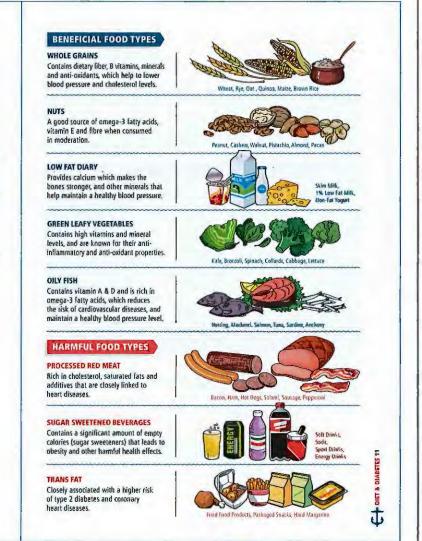
#### **DIET & DIABETES**

On average, people are consuming upwards of 2,900 calories a day, which is about 1.4 times more than the recommended daily calorie intake. A proper diet can greatly reduce your risk of diabetes.

#### **HEALTHY DIET**

While you may not have much say in the food provided on board the vessels, you can still pursue a healthier diet by reducing your total calorie intake and/or by increasing the percentage of healthy food types in your diet.





# A STEP IN THE RIGHT DIRECTION

The life of seafaring forces you to be away from your family for months on end. Being healthier enables you to enjoy quality time with your family after your seafaring days are over without having to constantly worry about any lingering medical issues.

The lifestyle recommendations listed in this guide may be difficult for you to implement all at once. You need to remember that the pursuit of a healthier lifestyle is a marathon, not a sprint. Try to adjust your lifestyle a little at a time. If you put in effort consistently, you will definitely see the improvements to your health.

### **BROUGHT TO YOU BY**



The Mission to Seafarers is a Christian welfare charity founded in 1856. Its mission statement is to provide help and support to the 1.5 million seafarers of all ranks, nationalities and beliefs working in over 260 ports across the world. Through their global network of chaplains, staff and volunteers, MtS offers practical, emotional and spiritual support to seafarers through ship visits, drop-in centres and a range of welfare and emergency support services. No matter what problems seafarers are facing, they know they can always turn to the MtS for help, advice and support.