

Introduction

Approximately 14 million Americans suffer from diabetes, but almost half are not yet diagnosed. If untreated, long-term effects of diabetes can be serious, even fatal. Such complications kill 150,000 people a year, making diabetes the fourth-leading disease killer in the United States.

Since ancient times, diet has been recognized as a cornerstone of diabetes management. Treatment for Type I diabetes consists of a combination of controlled diet and daily injections of insulin, on the other hand, diet alone can control Type II diabetes in many cases.

Role of Dietary Therapy in Diabetes Management

Lifelong care is required to avoid or reduce the risk factors and complications of Type I and Type II diabetes. Because strategies to control hyperglycemia are similar to those used to reduce excessive blood lipid levels, blood pressure, and body weight and their associated cardiovascular risks, dietary therapy is considered the key to diabetes management (ADA Task Force 1987).

In persons with Type I diabetes, the goals of dietary management are to maintain appropriate body weight and prevent hypoglycemia (as well as hyperglycemia). These are accomplished by consuming meals with an appropriate calorie content at regular intervals, coordinated with the times of insulin injection and levels of physical activity. Because individuals with this form of the disease are usually young and lean, caloric intake must be adequate to support normal growth and development.

In contrast, 80 to 90 percent of individuals with Type II diabetes are overweight, and the first goal of diet therapy for such persons is weight loss. Hence, for most of these individuals, restriction of caloric intake and increased physical activity leading to moderate weight loss may be sufficient to control blood glucose levels and to avoid the need for insulin or hypoglycemic medication (ADA Task Force 1987). Once desirable weight is achieved, people with Type II diabetes must continue to adhere to the recommended diet to maintain the reduced weight while consuming amounts of nutrients necessary to maintain normal blood glucose levels.

Significance for Public Health

Many of the adverse health effects of diabetes derive from its complications. Diabetic ketoacidosis is responsible for 2 to 14 percent of hospitalization for diabetes and is the underlying cause of 10 percent of diabetes deaths. Diabetes is the leading cause of new cases of blindness among persons ages 20 to 74 and is responsible for one-fourth of all new cases of end-stage renal disease and 40 to 45 percent of all non-traumatic amputations in the United States. The risk of developing heart disease is about twice as high among persons with diabetes as in the general population, and ischemic heart disease is a factor in 50 to 60 percent of the recorded deaths of adults with diabetes. Lipid abnormalities occur in a substantial portion of people with diabetes. Hypertension rates are also twice as high among diabetics, and the risk of stroke increases twofold to six fold. Infants born to mothers with diabetes are at greater risk for congenital anomalies, macrosomia, respiratory distress, jaundice, and perinatal mortality. In addition, one-half of individuals with diabetes suffer serious limitations of activity and one-third are unable to work regularly.

See also [Obesity](#)

About NutriSoft Sugar Analysis

NutriSoft Sugar Analysis is an integral part of **NutriSoft Diabetic Nutrition**. The program analyzes the sugar content of over 500 most commonly used food items. The sugars analyzed include: galactose, glucose, fructose, lactose, sucrose, maltose. Amount of other sugars and total sugars are also reported.

When you register for Diabetic Nutrition, you automatically receive a full copy of Sugar Analysis. Or you can register for Sugar Analysis separately for a fee of \$19. The shareware version of Sugar Analysis contains approximately 100 food items.

Disclaimer

The data and nutritional guidelines contained in this program are derived from research published by US government agencies and by private non-profit health organizations. The data and guidelines are compiled for your information only and must not be construed as medical advice or instruction. The decision concerning diet or medications should be made by you and your doctor. Before adopting any diet or exercise program, please discuss your condition with your doctor and obtain his/her approval. NutriSoft disclaims all liability in connection with the use of this program.

Edit meals

If you would like to reuse a meal (or repeat a few food items) in your diet, here is a convenient way to do so: prepare the meal (or the food items) you plan to reuse. Copy or cut it to the clipboard; then go to another meal or open another day's file and paste to a new meal! The serving information is retained, not just the food name. When you insert a meal into a partially planned meal, the inserted food items will appear immediately below the currently selected food item in the receiving meal.

You can also delete all food items from a meal by using the Edit Clear All command or the Clear All icon.

Search mode

This is one of the most convenient features of NutriSoft programs. It allows you to find any particular food items from the standard and user databases without your having to browse through different categories of food groups.

When this mode is selected, an edit control is displayed in place of the Food Group combo box and 2 search icons are shown. You type in the name of the food item you want to find, for example "apple", then click on one of the search icons. The list box will be filled with all food items containing "apple". You don't need to type in a complete word: "app" will suffice. On the other hand, when there are too many matching food items, you might want to restrict the match by specifying longer name such as "apple juice" or do a local search after having the result of the global search. The search is not case sensitive: you can use lower or upper case letters and this won't affect the result.

To **exclude** food items, use ! (the *exclamation point*) before the text string. Search on **!spinach** will display all items that do not have 'spinach' in their names.

The program will look for matching entries not only in the standard food database that comes with your software but also in your own personal food database.

The matched food items displayed in the list box can be selected as those in any other mode.

In the registered version of the software, there is no restriction on the size of the user database on which the search will be performed. However, memory limitation of your system might prevent the display of all matched entries in the list box. In this case, a message box will appear to alert you of this situation.

In the shareware version, search will be performed on the abbreviated standard database and on the first several records of the user database.



Global search: searches both the NutriSoft and user databases for a food item containing or not containing a text string. On a 486-33 system, a global search takes just under 5 seconds.



Local search: searches only the listbox's content for food items containing or not containing a text string. This is convenient for pruning down a previous search result which might contain hundreds of food items.

Tip:

After entering the text to be searched, you can use Alt-G to do a global search or Alt-L to do a local search without having to use the mouse to click on a search icon.

Serving amount

If necessary, you can adjust the amount consumed for a food item by typing the desired amount in grams in the edit control above the 'Am(oun)t. OK' button. Once the right amount has been typed in, click on '**Amt. OK**' to confirm and record this value.

For your convenience, we have provided 2 popup menus which you can use to quickly adjust the amount of servings:

- a left mouse button click anywhere on the background of the document window will display a selection of common serving sizes. If the serving size is 1 cup (the serving size or **unit** is enclosed in square brackets, for example, **[1 cup]**), selecting .5 indicates that you consume half a cup of a particular food item. How much half a cup weighs and the nutrient contents of this amount of food are adjusted and recorded automatically for you. You can turn off this feature via the Options menu.

- a right mouse button click will display a selection of common servings in grams, ounces, or common serving sizes. When you release the mouse button after selecting an amount, the amount in the edit box and other data will be updated automatically. You can also choose the preferred input type via the Options menu.

Quick Serving Entry in Ounces

This option allows you to hold down the right mouse button on the main window's background and select one of the standard serving sizes in **ounces** for quick data input.

Quick Serving Entry in Grams

This option allows you to hold down the right mouse button on the main window's background and select one of the standard serving sizes in **grams** for quick data input.

Quick Serving Entry in Common Serving Sizes

This option allows you to hold down the right mouse button on the main window's background and select one of the standard serving sizes for quick data input.

Sorting:

You can quickly identify food items high or low in certain nutrients by sorting them. Since the nutrient values are those contained in 100g of each food item, you can directly compare different items and easily select the appropriate foods to meet your dietary requirement.



clicks this icon to sort the items in the listbox in ascending order. A selection menu will appear to let you specify which particular nutrient you want to sort on.



clicks this icon to sort the food items in descending order.



indicates the food items are sorted in ascending order, click on a food item in the listbox to see the nutrient's value.



indicates the food items are sorted in descending order, you can click on a food item to view the particular nutrient's content.

Desirable Weight

This utility calculates the normal weight based on a person's height, sex and age.

If you are too fat or too thin, your chances of developing health problems are increased.

Being too fat is common in the United States. It is linked with high blood pressure, heart disease, stroke, the most common type of diabetes, certain cancers, and other types of illness.

Being too thin is a less common problem. It occurs with anorexia nervosa and is linked with osteoporosis in women and greater risk of early death in both women and men.

Whether your weight is 'healthy' depends on how much of your weight is fat, where in the body the fat is located, and whether you have weight-related medical problems, such as high blood pressure, or a family history of such problems.

What is a healthy weight for you? There is no exact answer right now. Researchers are trying to develop more precise ways to describe healthy weight. In the meantime, you can use this utility to help judge if your weight is healthy. Find out if your weight is within the normal range. The range is higher for people 35 years or older than for younger adults. This is because recent research suggests that people can be a little heavier as they grow older without added risk to health. Just how much heavier is not yet clear. The weight ranges given by the utility are likely to change based on research under way. The current data are derived from Diet and Health (National Research Council, 1989).

Ranges of weight are given by this utility because people of the same height may have equal amounts of body fat but differ in muscle and bone. The higher weights in the ranges are for people with more muscle and bone.

Weights above the range are believed to be unhealthy for most people. Weights slightly below the range may be healthy for some small-boned people but are sometimes linked to health problems, especially if sudden weight loss has occurred.

Please consult with your doctor to find out what is the optimal weight for you. Because individuals differ, your optimal weight may be lower or higher than the normal range.

Use the spin controls in the dialog box to specify your height (without shoes). Specify your sex and age by selecting the appropriate radio buttons.

To plan your weight loss use [Weight Control Plan](#).

If you close the dialog box by clicking the OK button, the information will be saved and redisplayed next time you invoke the dialog box. Use the Esc key to close the dialog box without saving.

Set Fat Warning Level

"Because fat contains more than twice the caloric value per gram of either protein or carbohydrate, the general public would benefit from reduced fat intake."

U.S. Surgeon General

Is this food too fatty? Use this dialog box to set the threshold when the program should warn you when a food item exceeds the limit. A green or red symbol is displayed appropriately. You can click on the symbol to invoke the dialog box.

When you print out your nutritional analysis of your diet, each fatty food will also be marked with an asterisk for easy recognition.

Caloric Need and Nutrient Requirements

This dialog box calculates your daily caloric need and recommended intakes of important nutrients according to your age, ideal weight, activity level.

Specify your age, ideal weight and activity level using the spin buttons. Activity level ranges from 1 (sedentary) to 10 (strenuous).

Suggested total fat intake is based on the American Heart Association's and the Food and Nutrition Board's recommendation that no more than 30% of your calories come from fat.

Recommended intakes of other nutrients are based on the Surgeon General's recommendation and on the National Research Council's data.

To leave the dialog box, click on the OK button or select Close from the dialog box's system menu or hit Esc. If you click OK, the current information is saved for next time you invoke the dialog box.

The dialog box must be filled out at least once: when you run the application for the first time, the dialog box is automatically presented to obtain your individual information. You can revise the information anytime.

Weight Control Plan

It's hard to achieve your weight goal without planning. This utility allows you to establish a plan and estimate precisely how much weight you will gain or lose when you follow this plan.

First, please specify your current weight and activity level by clicking on the appropriate spin controls. The activity levels range from 1 (for those having sedentary lifestyle) to 10 (for those having physically strenuous occupations). The dialog box displays the number of calories required for you to maintain your current weight.

The 'Daily consumption' list box (on the right) should contain several files for you to add to your plan (the list box on the left). Please note that you must have previously saved some files before you can use this dialog box. Or you can try out the sample daily food consumption files we provide.

Let's assume you've prepared 7 daily menus and name them Sun, Mon, Tue, etc. [The program automatically adds in the standard extension for your files, please use the standard extension.] These files should appear on the right hand side list box. You add the files one by one to your plan by selecting them then click on the 'Add to Plan' button or by double-clicking the file names.

As you add in these files, the dialog box automatically calculate the amount of weight you should gain or lose if you follow your plan, the average daily caloric intake and the average fat content of your plan.

NutriSoft weight control plan is truly flexible: you can set a food plan to be repeat every week, every 3 days or every 10. You can also anticipate your future weight when your plan is repeated during this period by adjusting the number of days in the period via the spin control.

Once an entry is added into your plan, you can select it then click on the 'chart' button to review its nutritional content.

In general, you should not try to achieve significant weight loss in just a few days. Please consult your physician regarding your weight loss goal. Even an energy deficit of just 500 kcal a day should result in a loss of approximately 1 pound per week or 50 pounds a year!

After setting up your plan, print out a report to keep track of your food intake and to motivate yourself to achieve your goal.

Nutrient Analysis

Do you know which meal provides you with the most protein in your diet? With the most fat? This graph displays the percentage of each nutrient consumed during each meal of the day.

Select 'Protein' from the combo box and the graph shows the percentage of protein that comes from breakfast, morning snack, lunch, afternoon snack, dinner and evening snack in counter clockwise order.

The analyses are provided for weight, calories, protein, carbohydrate, fat, and other essential nutrients when available. These analyses are very convenient when you want to spread out your energy intake throughout the day instead of concentrate your food consumption in infrequent big meals.

To leave the dialog box, click on the OK button or select Close from the dialog box's system menu or hit Esc. If you click OK, the currently selected nutrient will also be initially selected next time you invoke the dialog box.

Caloric Analysis

These 2 graphs provide information about the nutrient contents of your food intake for the current day or for that previously saved in a file.

The left graph shows the weight in grams of protein, carbohydrate and fat in the day's food consumption. The right graph shows the day's caloric intake and a pie chart depicting the percentages of calories from protein, carbohydrate and fat in counter clockwise order. Each nutrient is color coded for easy identification.

You should pay particular attention to the percentage of calories from fat. The American Heart Association recommends that your total fat intake be no more than 30 percent of your total calories.

To leave the graphs click the mouse anywhere inside them or hit the escape key.

Set Fat Warning Level

This option allows you to specify the percentage of calories from fat above which you want to be alerted. For example, if you want to identify foods that has more than 50% of their calories derived from fat, you should set this value through the Set Fat Warning Level dialog box. From then on, each time a food item is consumed, a green or red symbol will be displayed to indicate whether its fat content is below or above the limit you set. When you print out your nutritional report, each food item exceeding this limit is also flagged with an asterisk before its name.



indicates food item does not exceed user-specified percentage of calories from fat.



indicates food item exceeds user-specified percentage of calories from fat.

Set Nutrient Intake Preference

How much of each nutrient do you want to consume each day? Use this dialog box to set your own preference. The color of the RDA analysis bars will reflect your preference. The bars are green when you consumption is within your preferred range, yellow when you are not having enough of a nutrient, magenta when your intake is somewhat above the optimal range, and red when the consumption is considerably higher than desired.

Click on the Use RDA button if you want the Recommended Dietary Allowance value for any particular nutrient. Please note that the RDA values are for an average individual. You might need to adjust your optimal intake accordingly.

Caloric Analysis

Do you need a more healthful diet? This menu item displays a graph showing the number of calories in your diet that comes from protein, carbohydrate or fat.

Nutrient Analysis

Are you eating too much at dinner and not enough at breakfast? Check out the relative nutrient intakes of all your daily meals.

Weight Control Plan

It is now so easy to establish a sensible plan to control your weight. Your plan can be set for any number of days. Find out how much weight you will gain or lose in a week, a month or a year; and whether you are consuming too much fat in your plan.

Caloric Need

Find out how many calories you need a day based on your age, desirable weight and activity level. The dialog box also shows the maximum recommended fat consumption in your diet.

Desirable Weight

This menu item displays a dialog box which allows you to determine your ideal weight based on your sex, height and body frame.

Find Food Item with Lowest Content of a Nutrient



Click this button to search for food item in your day consumption that has the lowest amount of a particular nutrient. The food item is highlighted and the meal where it is consumed is selected. This is useful when you want to keep the consumption of a particular nutrient low. For example, you can find food items with lowest fat content and consume more of these items without worrying about quickly increasing your fat intake. If your day's consumption has several items with the same low fat content in different meals, the program cycles through these items each time you click on this button.

Find Food Item with Highest Content of a Nutrient



Click this button to search for food item in your day consumption that has the highest amount of a particular nutrient. The food item is highlighted and the meal where it is consumed is selected. This is very useful when you want to quickly lower or raise the consumption of a nutrient. For example, your day consumption is too high in fat. You can use this button to identify the food item that most contributes to the high fat content and adjust your consumption of this item accordingly.

Choose Printer Font

Use this option to select the printer font for your Nutritional Analysis Report and Weight Planning Report.

Choose Screen Color

Some monitors flicker noticeably when certain colors are displayed. Use this option to select the most pleasing color for your screen background.

Body Mass Index

Are you thin, or are you overweight? This dialog box uses the Body Mass Index (BMI) which is derived from your height (without shoes) and weight (without clothes) to chart your precise standing. Compare your BMI with that of an average person, or an obese individual.

Caloric Expenditure of Common Activities

This utility allows you to calculate how many calories you burn by exercising or by doing many of the usual daily activities. The registered database contains information on 130 common activities. You should select an activity and set it (via the 'Set Favorite Activity' button) as your favorite activity. Once this has been set, each time you consume a food item, its caloric equivalence in terms of your favorite activity is calculated and displayed on the status bar at the bottom of your screen. For example, you set Tennis as your favorite activity and you weigh 160 lbs.; when you drink a cup of milk, the caloric equivalence of this food item is 18 minutes of Tennis. This means it takes you 18 minutes of playing tennis to burn away the calories contained in one cup of milk!

Another interesting piece of information the Caloric Expenditure dialog box provides is how much exercise it takes to lose one pound of weight. Let's say you weigh 155 lbs. and usually play tennis for an hour each time you get to play. The dialog box figures out you need to repeat this activity (an hour of tennis) 7 times to burn away one pound of weight, everything else being equal. Please note that this is not an advice for you to go out and play tennis 7 times to achieve this weight reduction! The information is presented so that you can have another measure of the relationship between weight loss and physical exercise. Before embarking on any exercise program, you should obtain approval from your doctor.

Show CSI

This option toggle the display of the Cholesterol Saturated Fat Index.

Reverse Food Groups

This command reverse the current display order of the food group names in the Food Group drop down list box.

Left Mouse Button

This option toggle the quick input mode of the left mouse button.

Questions and Answers

Q. What are the benefits of registering this software?

A.

1. Registered users receive an upgraded diskette having an expanded database containing approximately 10,000 food items. The shareware version has a smaller database, approximately 800 items. [Registered version of NutriSoft Sugar Analysis has over 500 food items as opposed to about 100 items in the shareware version.]

2. The registered version of the software processes all food items in the user's personal database. In the shareware version, you can prepare as large a personal food database as you have data for but the program makes use of (sorts, searches or displays) only the first 10 entries in this database. [NutriSoft Sugar Analysis does not process user's database.]

3. In addition to free technical support, registered users receive deep discount on future registrations of NutriSoft products. Fee for upgrading to later version of the same program is also minimal.

Q. How can I register for NutriSoft software?

A. You can register by mail, by phone using credit card, or through the CompuServe Shareware Registration Service. Please see the [registration](#) topic for more information.

Q. How much does it cost to upgrade to newer versions of NutriSoft products?

A. Registered users automatically receive a free upgrade when there is a minor revision of a product. For example, users of Control Hypertension 2.2 automatically receive a free copy of Control Hypertension 2.3. When there is a major new release, the standard upgrade cost is 20% of the registration fee. For example, registered users of Weight Perfect 2.0 can upgrade to Weight Perfect 3.0 for \$7 which is 20% of the \$35 registration fee of this product.

Q. Is there printed manual for this product?

A. Because of frequent updates to our programs, we provide only on-line documentation: this help file. While reading this help file you can print out any topic as needed via the 'Print topic' command from the 'File' pull-down menu.

Q. Where can I obtain other NutriSoft shareware products for evaluation?

A. We encourage you to obtain other NutriSoft products from your current shareware distributor or BBS. A complete selection of our software can also be downloaded from:

1. **CompuServe**: the Windows Shareware Forum, Holistic Health Forum (GO HOLISTIC), and Health and Fitness Forum (please search on contributor: 71563,124)
2. **America Online**: the Windows Forum (please search on keyword: NutriSoft)
3. **Internet FTP**: ftp.cica.indiana.edu, the Center for Innovative Computer Applications ftp site of Indiana University. Our files are in directory pub/pc/win3/misc (please search on file names starting with "ns")

About NutriSoft

NutriSoft was established by a group of Stanford University researchers to provide consumers with quality software to help them achieve better health. Your suggestions and comments on our products are much appreciated. Please write to us at the following addresses:

US Mail: P.O. Box 8226, Stanford, CA 94309
America Online: NutriSoft
CompuServe: 71563,124
Internet: NutriSoft@aol.com

We welcome inquiry from authors, institutions, and publishers who would like to distribute our products or customize our software to use with their own nutritional data. We also license our technology (including source code) and provide technical consulting services to other nutrition software companies.

List of software products released by NutriSoft as of September, 1994:

1. Fat and Cholesterol Counter for Windows, v. 1.1 (\$19)

This program is a perfect companion to American Heart Association's Fat and Cholesterol Counter, a guide for everyone who wants a more healthful diet.

2. NutriSoft Pregnancy Nutrition for Windows, v. 2.1 (\$39)

The program, developed from the latest findings of the American Academy of Pediatrics and the National Academy of Sciences, is the best nutrition software for a mother's health and that of her child.

3. NutriSoft Heart Perfect for Windows, v. 2.3 (\$39)

The most effective dietary strategy to reduce heart disease risk.

4. NutriSoft Reduce Cancer Risk for Windows, v. 3.0 (\$39)

Based on studies of the National Cancer Institute and US Surgeon General's dietary guidelines, this program can help you lower the risk of cancer from diet.

5. NutriSoft Weight Perfect for Windows, v. 3.0 (\$35)

Indispensable to anyone who wants to achieve a more desirable weight.

[Registered users of NutriSoft Weight Perfect version 2.0 can upgrade to this version for \$7.]

6. NutriSoft High Blood Pressure Nutrition for Windows, v. 3.2 (\$39)

The program is based on the report of the Joint National Committee on Detection, Evaluation, and Treatment of High Blood Pressure. An excellent nondrug approach to treatment for and prevention of high blood pressure.

7. NutriSoft Lower Your Cholesterol for Windows, v. 3.2 (\$39)

More than half of all adult Americans have a blood cholesterol level that is higher than desirable. This program helps you conform to the cholesterol-lowering dietary guidelines of the National Cholesterol Education Program and National Heart, Lung, and Blood Institute.

8. NutriSoft Diabetic Nutrition for Windows, v. 3.3 (\$39)

Essential tool for accurate monitoring of diabetic diet. Includes sugar analysis of common foods and weight control planner.

Registration Form

[This form can be printed by selecting 'Print topic' from the File pull-down menu.]

Please indicate which software product(s):

- | | | |
|--|--------|--------|
| 1. Fat and Cholesterol Counter <i>for Windows</i> | v. 1.1 | (\$19) |
| 2. NutriSoft Diabetic Nutrition <i>for Windows</i> | v. 3.3 | (\$39) |
| 3. NutriSoft Weight Perfect <i>for Windows</i> | v. 3.0 | (\$35) |
| 4. NutriSoft Pregnancy Nutrition <i>for Windows</i> | v. 2.1 | (\$39) |
| 5. NutriSoft High Blood Pressure Nutrition <i>for Windows</i> | v. 3.2 | (\$39) |
| 6. NutriSoft Heart Perfect <i>for Windows</i> | v. 2.3 | (\$39) |
| 7. NutriSoft Reduce Cancer Risk <i>for Windows</i> | v. 3.0 | (\$39) |
| 8. NutriSoft Lower Your Cholesterol <i>for Windows</i> | v. 3.2 | (\$39) |

Name:

Address:

City:

State:

Zip:

How did you obtain this NutriSoft shareware? _____

Your email address, if available: _____

Please send check or money order to

NutriSoft
P.O. Box 8226
Stanford, CA 94309

International order: please remit in U.S. currency and add \$1 for airmail postage. Because of high processing fee from our bank, we can no longer accept **personal** check from a **non-US** bank. Please use money order from your bank, local American Express office, or postal money order. CompuServe users should use the CIS Shareware Registration Service.

See also Registration by Credit Card

Registration via CompuServe

Members of CompuServe can register for any NutriSoft products through its Shareware Registration Service (**GO SWREG**).

Please search for our products using "NutriSoft" as author's name.

After you complete the CompuServe registration process, we will be notified and the upgraded registered software diskette(s) will be sent to you within 24 hours.

See also [Registration by Credit Card](#)

Registration by credit card

[This page can be printed by selecting 'Print topic' from the File pull-down menu.]

Credit card users can register for any NutriSoft products through the **PsL** (Public software Library) **Registration Service**.

Please call **1 - 800 - 2424 - PsL** (1-800-242-4775) or 713-524-6394

PsL Registration Service can also be reached
by FAX (713) 524-6398
by CIS Email 71355,470
by Internet Email 71355,470@compuserve.com
by mail P.O.Box 35705, Houston, TX 77235-5705.

Please note **the above phone numbers are for registration by credit card only**. Any questions about the status of the shipment of the order, product details, technical support, volume discounts, dealer pricing, site licenses, etc., must be directed to [NutriSoft](#).

To insure that you get the latest version, PsL will notify NutriSoft the day of your order and NutriSoft will ship the product directly to you.

List of NutriSoft products that can be registered through the PsL Registration Service:
(please mention the number preceding the program name: its PsL registration ID)

- 1) 11551 **Fat and Cholesterol Counter** for Windows v. 1.1
- 2) 11553 **NutriSoft Weight Perfect** for Windows v. 3.0
- 3) 11554 **NutriSoft Pregnancy Nutrition** for Windows v. 2.1
- 4) 11556 **NutriSoft Heart Perfect** for Windows v. 2.3
- 5) 11557 **NutriSoft Reduce Cancer Risk** for Windows v. 3.0
- 6) 11558 **NutriSoft Lower Your Cholesterol** for Windows v. 3.2
- 7) 11582 **NutriSoft High Blood Pressure Nutrition** for Windows v. 3.2
- 8) 11583 **NutriSoft Diabetic Nutrition** for Windows v. 3.3

See also [Registration via CompuServe](#)

NutriSoft "Sugar Analysis" Help Index

General Information

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Registration

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Commands

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Help menu

You can obtain specific help for the current task by pressing F1 at any window or dialog box.
To obtain a hard-copy of a help topic, choose '**Print topic**' from the **File** pull-down menu.

Program's Icons and Buttons

Fat content:



indicates food item does not exceed user-specified percentage of calories from fat.



indicates food item exceeds user-specified percentage of calories from fat.

Click on either of these icons to specify the fat percentage where you want to be warned when exceeded.

Caloric analysis:



clicks this icon to see graphic analysis of calories from fat, protein and carbohydrate for selected food item.

Sorting:

Nutrients are sorted based on values in 100g of food.



clicks this icon to sort the items in the listbox in ascending order.



clicks this icon to sort the food items in descending order.



indicates the food items are sorted in ascending order, click on a food item in the listbox to see the nutrient's value.



indicates the food items are sorted in descending order.

Food groups viewing:

Since there are more than 50 food groups in our database and an average screen can display only about 30 food groups at a time, these buttons make it more convenient to view the food groups (when you hold down the mouse on the drop down listbox) by displaying them in normal order (first group first) or reverse order (last group first). You can select a food group by the mouse or by typing in the first letter of the food group's name.



displays food groups in normal order in drop down list box. Instead of clicking on this icon, you can use alt-n (Normal).



displays food groups in reverse order in drop down list box. Instead of clicking on this icon, you can use alt-r (Reverse).



indicates food groups are displayed in normal order.



indicates food groups are displayed in reverse order.

Searching:

Since there are approximately 10,000 food items in our standard database in addition to other items in user's database, this search facility makes it easy for you to locate any particular food by name. You can do a global or a local search. You can specify that the result include or exclude certain food items.

Example: to find all foods containing 'yogurt', you type this string (without the quotes) into the edit control and click the global search icon. [*If you don't see the search icons, you need to select Options then Search mode from the main menu first.*] The result is displayed in the listbox below when the search is completed. To exclude all vanilla yogurt, you type the string '!vanilla' (without the quotes) into the edit control and click the local search icon. [*Don't leave a space before your search text or after the exclamation point because blank space is significant in the search.*] To narrow the result further, you can do another local search on the non-vanilla yogurt items; or you can proceed to another global search.



Global search: searches both the NutriSoft and user databases for a food item containing or not containing a text string. You can use alt-g (Global) instead of clicking on this icon.



Local search: searches only the listbox's content for food items containing or not containing a text string. This is convenient for pruning down a previous search result which might contain hundreds of food items. You can use alt-l (Local) instead of clicking on this icon.

Quick Find:

If your current day's diet is too high in fat, for example, you can use this feature to quickly locate the item most contribute to this problem and adjust your consumption accordingly.



locates the food item in the current day's consumption that has the highest content of a particular nutrient.



locates the food item in the current day's consumption that has the lowest content of a particular nutrient.

View menu commands

The View menu offers the following commands:

<u>Caloric Analysis</u>	Shows graphic analysis of percentage of calories from protein, carbohydrate and fat.
<u>Nutrient Analysis</u>	Shows graphic analysis of the individual nutrient contents from your daily food consumption.
<u>Toolbar</u>	Shows or hides the toolbar.
<u>Status Bar</u>	Shows or hides the status bar.

Tools menu commands

The Tools menu offers the following commands:

<u>Cholesterol Profile</u>	Analyze your blood cholesterol levels and your heart disease risk
<u>Weight Control Plan</u>	Use this dialog box to set short and long-term plan for weight control.
<u>Desirable Weight</u>	Determine your ideal weight based on your sex, height and body frame.
<u>Body Mass Index</u>	Compare your body mass index with the general population's
<u>Caloric Need</u>	Find out your daily caloric need.
<u>Caloric Expenditure</u>	Find out how much energy is used in common activities

Options menu commands

The Options menu offers the following commands:

<u>Search Mode</u>	Allow you to search for any specific food from the standard and personal food databases.
<u>Food Groups Mode</u>	Display food items according to food groups.
<u>Personal Food Database</u>	Display food items from your personal food database.
<u>Show CSI</u>	Toggle the display of Cholesterol Saturated Fat Index
<u>Reverse Food Groups</u>	Reverse the display order of food group names
<u>Choose Printer Font</u>	Select your favorite printer font for your nutritional and weight planning report.
<u>Choose Screen Color</u>	Select your favorite color for your screen background.
<u>Set Nutrient Intake Preference</u>	Set your preferred ranges of nutrient intakes. The color of the RDA analysis bars will reflect your preference.
<u>Set Fat Warning Level</u>	Set threshold beyond which you are alerted when a food item has more than certain percentage of calories from fat.
<u>Left Mouse Button Quick Input</u>	Toggle the use of left mouse button for quick serving input
<u>Right Button: Gram Quick Input Mode</u>	Hold down the right mouse button on the window background will display serving amount in <i>grams</i> for quick selection.
<u>Right Button: Ounce Quick Input Mode</u>	Hold down the right mouse button on the window background will display serving amount in <i>ounces</i> for quick selection.
<u>Right Button: Serving Quick Input Mode</u>	Hold down the right mouse button on the window background will display <i>common serving</i> sizes for quick selection.

File menu commands

The File menu offers the following commands:

<u>New</u>	Creates a new document.
<u>Open</u>	Opens an existing document.
<u>Close</u>	Closes an opened document.
<u>Save</u>	Saves an opened document using the same file name.
<u>Save As</u>	Saves an opened document to a specified file name.
<u>Print</u>	Prints a document.
<u>Print Setup</u>	Selects a printer and printer connection.
<u>Exit</u>	Exits program.

Window menu commands

The Window menu offers the following commands, which enable you to arrange multiple views of multiple documents in the application window:

<u>Cascade</u>	Arranges windows in an overlapped fashion.
<u>Tile</u>	Arranges windows in non-overlapped tiles.
<u>Arrange Icons</u>	Arranges icons of closed windows.
<u>Window 1, 2, ...</u>	Goes to specified window.

Help menu commands


The Help menu offers the following commands, which provide you assistance with this application:

<u>Index</u>	Offers you an index to topics on which you can get help.
<u>Using</u>	Provides general instructions on using help.
<u>Help</u>	
<u>About</u>	Displays the version number of this application.

New command (File menu)

Use this command to create a new document (file) in "Reduce Cancer Risk". A document (file) contains all the information regarding the foods you consume during a day. You can open an existing document with the Open command.

Shortcuts


Toolbar: 
Keys: CTRL+N

Open command (File menu)

Use this command to open an existing document in a new window. You can open multiple documents at once. Use the Window menu to switch among the multiple open documents. See [Window 1, 2, ... command](#).

You can create new documents with the [New command](#).

Shortcuts

Toolbar: 
Keys: CTRL+O

File Open dialog box

The following options allow you to specify which file to open:

File Name

Type or select the filename you want to open. This box lists files with the extension you select in the List Files of Type box.

List Files of Type

Select the type of file you want to open.

Drives

Select the drive in which "Reduce Cancer Risk" stores the file that you want to open.

Directories

Select the directory in which "Reduce Cancer Risk" stores the file that you want to open.

Network...

Choose this button to connect to a network location, assigning it a new drive letter.

Close command (File menu)

Use this command to close all windows containing the active document. "Reduce Cancer Risk" suggests that you save changes to your document before you close it. If you close a document without saving, you lose all changes made since the last time you saved it. Before closing an untitled document, "Reduce Cancer Risk" displays the Save As dialog box and suggests that you name and save the document.


You can also close a document by using the Close icon on the document's window, as shown below:



Save command (File menu)

Use this command to save the active document to its current name and directory. When you save a document for the first time, "Reduce Cancer Risk" displays the Save As dialog box so you can name your document. If you want to change the name and directory of an existing document before you save it, choose the Save As command.

Shortcuts

Toolbar: 
Keys: CTRL+S

Save As command (File menu)

Use this command to save and name the active document. "Reduce Cancer Risk" displays the Save As dialog box so you can name your document.

Important:

You should save all your files in the directory where you install "Reduce Cancer Risk". The Weigh Control planner will look for them in this directory.

To save a document with its existing name and directory, use the Save command.

File Save As dialog box

The following options allow you to specify the name and location of the file you're about to save:

File Name

Type a new filename to save a document with a different name. A filename can contain up to eight characters and an extension of up to three characters. "Reduce Cancer Risk" adds the extension you specify in the Save File As Type box.

Drives

Select the drive in which you want to store the document.

Directories

Select the directory in which you want to store the document.

Important:

You should save all your files in the directory where you install "Reduce Cancer Risk". The Weigh Control planner will look for them in this directory.

Network...

Choose this button to connect to a network location, assigning it a new drive letter.

1, 2, 3, 4 command (File menu)

Use the numbers and filenames listed at the bottom of the File menu to open the last four documents you closed. Choose the number that corresponds with the document you want to open.

Exit command (File menu)

Use this command to end your "Reduce Cancer Risk" session. You can also use the Close command on the application Control menu. "Reduce Cancer Risk" prompts you to save documents with unsaved changes.

Shortcuts

Mouse: Double-click the application's Control menu button.



Keys: ALT+F4

Toolbar command (View menu)

Use this command to display and hide the Toolbar, which includes buttons for some of the most common commands in "Reduce Cancer Risk", such as File Open. A check mark appears next to the menu item when the Toolbar is displayed.

See [Toolbar](#) for help on using the toolbar.

Toolbar



The toolbar is displayed across the top of the application window, below the menu bar. The toolbar provides quick mouse access to many tools used in "Reduce Cancer Risk",

To hide or display the Toolbar, choose Toolbar from the View menu (ALT, V, T).

Click To



Open a new document.



Open an existing document. "Reduce Cancer Risk" displays the Open dialog box, in which you can locate and open the desired file.



Save the active document or template with its current name. If you have not named the document, "Reduce Cancer Risk" displays the Save As dialog box.



Print the active document.

Status Bar command (View menu)

Use this command to display and hide the Status Bar, which describes the action to be executed by the selected menu item or depressed toolbar button, and keyboard latch state. A check mark appears next to the menu item when the Status Bar is displayed.

See [Status Bar](#) for help on using the status bar.

Status Bar



The status bar is displayed at the bottom of the "Reduce Cancer Risk" window. To display or hide the status bar, use the Status Bar command in the View menu.

The left area of the status bar describes actions of menu items as you use the arrow keys to navigate through menus. This area similarly shows messages that describe the actions of toolbar buttons as you depress them, before releasing them. If after viewing the description of the toolbar button command you wish not to execute the command, then release the mouse button while the pointer is off the toolbar button.

The right areas of the status bar indicate which of the following keys are latched down:

Indicator	Description
CAP	The Caps Lock key is latched down.
NUM	The Num Lock key is latched down.
SCRL	The Scroll Lock key is latched down.

Cascade command (Window menu)

Use this command to arrange multiple opened windows in an overlapped fashion.

Tile command (Window menu)

Use this command to arrange multiple opened windows in a non-overlapped fashion.

Tile Horizontal command (Window menu)

Use this command to vertically arrange multiple opened windows in a non-overlapped fashion.

Tile Vertical command (Window menu)

Use this command to arrange multiple opened windows side by side.

Window Arrange Icons Command

Use this command to arrange the icons for minimized windows at the bottom of the main window. If there is an open document window at the bottom of the main window, then some or all of the icons may not be visible because they will be underneath this document window.

1, 2, ... command (Window menu)

"Reduce Cancer Risk" displays a list of currently open document windows at the bottom of the Window menu. A check mark appears in front of the document name of the active window. Choose a document from this list to make its window active.

Index command (Help menu)

Use this command to display the opening screen of Help. From the opening screen, you can jump to step-by-step instructions for using "Reduce Cancer Risk" and various types of reference information.

Once you open Help, you can click the Contents button whenever you want to return to the opening screen.

Using Help command (Help menu)

Use this command for instructions about using Help.

Context Help command



Use the Context Help command to obtain help on some portion of "Reduce Cancer Risk". When you choose the Toolbar's Context Help button, the mouse pointer will change to an arrow and question mark. Then click somewhere in the "Reduce Cancer Risk" window, such as another Toolbar button. The Help topic will be shown for the item you clicked.

Shortcut

Keys: SHIFT+F1

Title Bar

The title bar is located along the top of a window. It contains the name of the application and document.

To move the window, drag the title bar. Note: You can also move dialog boxes by dragging their title bars.

A title bar may contain the following elements:

- Application Control-menu button
- Document Control-menu button
- Maximize button
- Minimize button



Name of the application



Name of the document



Restore button

Scroll bars

Displayed at the right and bottom edges of the document window. The scroll boxes inside the scroll bars indicate your vertical and horizontal location in the document. You can use the mouse to scroll to other parts of the document.

Size command (System menu)

Use this command to display a four-headed arrow so you can size the active window with the arrow keys.



After the pointer changes to the four-headed arrow:

1. Press one of the DIRECTION keys (left, right, up, or down arrow key) to move the pointer to the border you want to move.
2. Press a DIRECTION key to move the border.
3. Press ENTER when the window is the size you want.

Note: This command is unavailable if you maximize the window.

Shortcut

Mouse: Drag the size bars at the corners or edges of the window.

Move command (Control menu)

Use this command to display a four-headed arrow so you can move the active window or dialog box with the arrow keys.



Note: This command is unavailable if you maximize the window.


Shortcut

Keys: CTRL+F7

Minimize command (application Control menu)

Use this command to reduce the "Reduce Cancer Risk" window to an icon.

Shortcut

Mouse: Click the minimize icon  on the title bar.

Keys: ALT+F9

Maximize command (System menu)

Use this command to enlarge the active window to fill the available space.

Shortcut

Mouse: Click the maximize icon  on the title bar; or double-click the title bar.

Keys: CTRL+F10 enlarges a document window.

Next Window command (document Control menu)

Use this command to switch to the next open document window. "Reduce Cancer Risk" determines which window is next according to the order in which you opened the windows.

Shortcut

Keys: CTRL+F6

Previous Window command (document Control menu)

Use this command to switch to the previous open document window. "Reduce Cancer Risk" determines which window is previous according to the order in which you opened the windows.

Shortcut

Keys: SHIFT+CTRL+F6

Close command (Control menus)

Use this command to close the active window or dialog box.

Double-clicking a Control-menu box is the same as choosing the Close command.



Note: If you have multiple windows open for a single document, the Close command on the document Control menu closes only one window at a time. You can close all windows at once with the Close command on the File menu.

Shortcuts

Keys: CTRL+F4 closes a document window
 ALT+F4 closes the window or dialog box

Restore command (Control menu)

Use this command to return the active window to its size and position before you chose the Maximize or Minimize command.

Switch to command (application Control menu)

Use this command to display a list of all open applications. Use this "Task List" to switch to or close an application on the list.

Shortcut

Keys: CTRL+ESC

Dialog Box Options

When you choose the Switch To command, you will be presented with a dialog box with the following options:

Task List

Select the application you want to switch to or close.

Switch To

Makes the selected application active.

End Task

Closes the selected application.

Cancel

Closes the Task List box.

Cascade

Arranges open applications so they overlap and you can see each title bar. This option does not affect applications reduced to icons.

Tile

Arranges open applications into windows that do not overlap. This option does not affect applications reduced to icons.

Arrange Icons

Arranges the icons of all minimized applications across the bottom of the screen.

Choose Font dialog box

Select your favorite font for printed report of nutritional analysis or weight control plan.

No Help Available

No help is available for this area of the window.


No Help Available

No help is available for this message box.

Print command (File menu)

Use this command to print a document. This command presents a Print dialog box, where you may specify the range of pages to be printed, the number of copies, the destination printer, and other printer setup options.

Shortcuts

Toolbar: 
Keys: CTRL+P

Print dialog box

The following options allow you to specify how the document should be printed:

Printer

This is the active printer and printer connection. Choose the Setup option to change the printer and printer connection.

Setup

Displays a Print Setup dialog box, so you can select a printer and printer connection.

Print Range

Specify the pages you want to print:

All Prints the entire document.

Selectio Prints the currently selected text.

n

Pages Prints the range of pages you specify in the From and To boxes.

Copies

Specify the number of copies you want to print for the above page range.

Collate Copies

Prints copies in page number order, instead of separated multiple copies of each page.

Print Quality

Select the quality of the printing. Generally, lower quality printing takes less time to produce.

Print Progress Dialog

The Printing dialog box is shown during the time that <<YourApp>> is sending output to the printer. The page number indicates the progress of the printing.

To abort printing, choose Cancel.

Print Setup command (File menu)

Use this command to select a printer and a printer connection. This command presents a Print Setup dialog box, where you specify the printer and its connection.

Print Setup dialog box

The following options allow you to select the destination printer and its connection.

Printer

Select the printer you want to use. Choose the Default Printer; or choose the Specific Printer option and select one of the current installed printers shown in the box. You install printers and configure ports using the Windows Control Panel.

Orientation

Choose Portrait or Landscape.

Paper Size

Select the size of paper that the document is to be printed on.

Paper Source

Some printers offer multiple trays for different paper sources. Specify the tray here.

Options

Displays a dialog box where you can make additional choices about printing, specific to the type of printer you have selected.

Network...

Choose this button to connect to a network location, assigning it a new drive letter.

Page Setup command (File menu)

<< Write application-specific help here. >>

