



Data Export Definitions

(v2.17)

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1 WELCOME

This document defines each of the fields contained in the two export options available in VioScreen.

2 EXPORT REQUIREMENTS

Exports only contain data for sessions with a *Finished* status (refer to the *VioScreen Users' Guide* for more details).

3 EXPORT TYPES

There are two exports:

- Nutrient Vector (NV) Export - lists one session per row and includes user data and nutritional data for all of the foods consumed as reported.
- Food Consumption (FC) Export - includes user data and a list of each food consumed with their consumption frequency and portion size as reported and the daily nutritional contribution of that food for all available nutrients.

4 EXPORT FORMAT

Exports are *comma-separated values* (.csv) files of nutritional and other data that can be imported into SAS, SPSS, etc saved as you define in the *File Download* and *Save As* dialogs.

5 EXPORT FIELD DEFINITIONS

The following table defines all of the fields that can be found in either the NV or FC export. Note that all serving, vitamin and nutrient values are an average per day except where otherwise noted.

Table 1. Export Field Definitions

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Identification	BCODEID	User Name, Subject ID (default), Session ID, User ID, or Email based on selected key field on export page.	-	char
Identification	Email	Email address	-	char
Identification	RECNO	Patient/Subject's Record Number	-	integer
Identification	SRVID	Same as UserId	-	integer
Identification	SubjectId	Patient/Subject's Unique Identifier (if entered)	-	char
Identification	UserId	System generated unique identify assigned to each patient.	-	integer
Identification	Username	Patient/Subject's Username	-	char
Descriptive	PROCDATE	Date record was exported from the system.	-	mm/dd/yyyy
Descriptive	STARTED	Date the questionnaire was started	-	mm/dd/yyyy
Descriptive	FINISHED	Date the questionnaire was completed	-	mm/dd/yyyy
Descriptive	TIME	Elapsed amount of time in minutes from the start date and end date.	-	integer

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Demographic	Gender	Gender and pregnant / lactating status of M, F, P, P1,P2, P3, L, L1, L2, or L3 which corresponds to male, female, pregnant (trimester unknown), pregnant 1 st trimester, pregnant 2 nd trimester, pregnant 3 rd trimester, lactating stage unknown, lactating 0-6 months, lactating 7-12 months, lactating more than 12 months	-	char
Demographic	Age	Age of the patient/subject. At the time they took the FFQ. If this age is not available then the system default is to the age in the account.	-	integer
Demographic	Height	Patient/Subject's current height in meters	-	double
Demographic	Weight	Patient/Subject's current weight in kilograms	-	double
Demographic	BMI	Patient/Subject's Body Mass Index	-	double
Demographic	EER	Patient/Subject's Estimated Energy Requirement	-	int
Demographic	ActivityLevel	Activity level as indicated by the Patient/Subject	-	char
Demographic	DOB	Date of birth if listed in the account	-	dd/mm/yyyy
ProtocolInfo	Visit	Individual numbers assigned to each session (default value is 1)	-	integer
ProtocolInfo	Protocol	Name of Protocol for this analysis	-	char
ProtocolInfo	NutrientRecommendation	Nutrient Recommendation Applied for analysis (eg. Standard, ATP-III)	-	char
ProtocolInfo	Database	Database Version used for analysis	-	char
ProtocolInfo	Questionnaire	Questionnaire Version taken	-	char
Stages of Change	scf	Patient/Subject's stage of change for Fat.	-	char
Stages of Change	scfv	Patient/Subject's stage of change for Fruits and Vegetables.	-	char
Supplement Info	Multivitamin	Patient/Subject's response to the question " In the past three months, did you take a multiple vitamin/mineral supplement?" Yes/No	-	Yes/No
Supplement Info	MultivitaminFreq	Frequency per week of multivitamin/ mineral supplement intake if Multivitamin = yes	-	Int
Supplement Info	MultiCalciumDose	Assumed default amount of 200mg of Calcium from a multivitamin intake if Multivitamin = yes	-	int
Supplement Info	MultiCalciumAvg	Calculated daily calcium from multiviatmins/minerals based on MultivitaminFreq and MultiCalciumDose if Multivitamin = yes	-	int
Supplement Info	Calcium	Patient/Subject's response to the question " In the past three months, did you take a calcium supplement?" Yes/No	-	Yes/No
Supplement Info	CalciumFreq	Frequency per week of calcium supplement intake if Calcium = yes. Value of 1-7 , "less than once"	-	Text
Supplement Info	CalciumDose	What amount of calcium did you usually take (do not include multivitamins)? if Calcium = yes	mg	Int
Supplement Info	CalciumAvg	Patient/Subject's average daily intake of calcium from supplements based on CalciumFreq and CalciumDose.	mg	Int
Supplement Info	VitaminC	Yes/No If patient/subject selected he/she takes a Vitamin C supplement. Available only on Gout questionnaire.	-	Yes/No
Supplement Info	VitaminCFreq	Number of days per week a Vitamin C supplement taken if VitaminC = yes Available only on Gout questionnaire.	-	double

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Supplement Info	VitaminCDose	Dose of Vitamin C supplement intake if VitaminC = yes Available only on Gout questionnaire.	mg	Int
Supplement Info	VitaminCAvg	Average daily intake of Vitamin C supplement based on VitaminCDose and VitaminCFreq of Vitamin C from supplements based on VitaminCFreq and VitaminCDose. Available only on Gout questionnaire.	mg	Int
Supplement Info	FishOil	Yes/No If patient/subject selected he/she takes Fish Oil, DHA+EPA or Omega-3 supplement. Available only on Gout questionnaire.	-	Yes/No
Supplement Info	FishOilFreq	Number of days per week a Fish Oil, DHA+EPA or Omega-3 supplement taken if FishOil = yes. Available only on Gout questionnaire.	-	double
Supplement Info	FishOilDose	Dose of Fish Oil, DHA+EPA or Omega-3 intake if FishOil = yes. Available only on Gout questionnaire.	mg	Int
Supplement Info	FishOilAvg	Average daily intake of Fish Oil, DHA+EPA or Omega-3 supplement based on FishOilDose and FishOilFreq. Available only on Gout questionnaire.	mg	Int
Summary Variables	FRT5DAY	Daily Fruit Consumption (5-A-Day Method)	-	Double
Summary Variables	FRTSUMM	Daily Fruit Consumption (Summation Method)	-	Double
Summary Variables	VEG5DAY	Daily Vegetable Consumption (5-A-Day Method)	-	Double
Summary Variables	VEGSUMM	Daily Vegetable Consumption (Summation Method)	-	Double
misc	GoutFood	Numeric Indication of foods contribution or help for Gout. -1 = Food Good for Gout -0.5 = Food Ok for Gout 1= Food Bad for Gout 2 = Food Very Bad For Gout Null = no Gout impact	-	numeric
Servings	AlcoholServings	Patient/Subject's estimated daily intake of Alcohol based on FFQ responses	-	Double
Servings	CalciumfromDairyServings	Patient/Subject's estimated daily intake of Calcium From Dairy based on FFQ responses	-	Double
Servings	CalciumServings	Patient/Subject's estimated daily intake of Calcium based on FFQ responses	-	Double
Servings	LowFatDairyServing	Patient/Subject's estimated daily intake of Low Fat Dairy Products based on FFQ responses	-	Double
Servings	FriedFishServings	Patient/Subject's estimated weekly intake of Fried Fish based on FFQ responses	-	Double
Servings	NonFriedFishServings	Patient/Subject's estimated weekly intake of Non Fried Fish based on FFQ responses	-	Double
Servings	FishServings	Patient/Subject's estimated weekly intake of Fish based on FFQ responses	-	Double
Servings	FriedFoodServings	Patient/Subject's estimated daily intake of Fried Foods based on FFQ responses	-	Double
Servings	FruitServings	Patient/Subject's estimated daily intake of Fruit based on FFQ responses	-	Double

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Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Servings	JuiceServings	Patient/Subject's estimated daily intake of Juice based on FFQ responses	-	Double
Servings	SaladVegetableServings	Patient/Subject's estimated daily intake of Salad and Salad Vegetables based on FFQ responses	-	Double
Servings	SweetServings	Patient/Subject's estimated daily intake of Sweet Foods based on FFQ responses	-	Double
Servings	VegetableServings	Patient/Subject's estimated daily intake of Vegetables based on FFQ responses	-	Double
Servings	WholeGrainServings	Patient/Subject's estimated daily intake of Whole Grains based on FFQ responses	-	Double
Healthy Eating Index Score	HEIScore	Healthy Eating Index (HEI) Score based on 2005 HEI formula	-	Integer
Healthy Eating Index Score	HEI_Fruit	HEI score for Total Fruit based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_NonJuiceFrt	HEI score for Whole Fruit (Not Juice) based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Veg	HEI score for Total Vegetables based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_DrkG_OrgVeg_Leg	HEI score for Dark Green and Orange Vegetables and Legumes (Legumes counted as vegetables only after Meat and Beans standard is met.) based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Grains	HEI score for Total Grains based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Whl_Grains	HEI score for Whole Grains based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Milk	HEI score for Milk (Includes all milk products, such as fluid milk, yogurt, and cheese, and soy beverages. based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Meat_Beans	HEI score for Meat and Beans based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Oils	HEI score for Oils based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_SatFat	HEI score for Saturated Fat based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_Sodium	HEI score for Sodium based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI_SolFat_Alc_AddSug	HEI score for Calories from Solid Fat, Alcohol, and Added Sugar based on 2005 HEI formula	-	Double
Healthy Eating Index Score	HEI2010Score	Healthy Eating Index (HEI) Score based on 2010 HEI formula	-	Integer
Healthy Eating Index Score	HEI2010_Fruit	HEI score for Total Fruit based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Whole_Fruit	HEI score for Whole Fruit (Not Juice) based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Veg	HEI score for Total Vegetables based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Greens_Beans	HEI score for Greens and Beans based on 2010 HEI formula. It is noted that Greens and Beans replaces the HEI 2005 of Dark Green and Orange Vegetables and Legumes to emphasize that dark green vegetables and beans and peas (also known as legumes) are the two vegetable subgroups for which intakes are furthest from recommended levels.	-	Double
Healthy Eating Index Score	HEI2010_Whole_Grains	HEI score for Whole Grains based on 2010 HEI formula	-	Double

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Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Healthy Eating Index Score	HEI2010_Dairy	HEI score for Dairy food based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Protien_Foods	HEI score for Protein food based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_SeaFoods_PlantProtiens	HEI score for Seafood and Plant based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Fatty_Acids	HEI score for Fatty Acids based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Refined_Grains	HEI score for Refined Grains based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Sodium	HEI score for Sodium based on 2010 HEI formula	-	Double
Healthy Eating Index Score	HEI2010_Empty_Calories	HEI score for Calories from solid fats, alcoholic beverages, and added sugars based on 2010 HEI; note that the threshold for counting alcohol is >13 grams/1,000 kcal. formula	-	Double
Summary Variables	FoodDescription	How the food appears on the questionnaire. Description Pulled from FFQ	-	Char
Summary Variables	Frequency	Frequency selected by user. Number of servings per day, week, or month as answered on FFQ (e.g. 5-6 per week)	-	Char
Summary Variables	PortionSize	Portion size selected by user represented in household Measurements (e.g., 1/2cup), or Food Portion (e.g., 1 egg)	-	Char
Summary Variables	YearlyFrequency	Frequency selected multiplied to represent yearly frequency	-	Integer
Summary Variables	FrequencyAdjustment	Frequency selected adjusted based on tier 2 questions	-	Double
Summary Variables	EatingPattern	Which eating pattern group(s) the selected food belongs to based on FFQ.	-	Integer
Summary Variables	EatingPatternDescription	The description of the eating pattern group(s) the selected food belongs to based on FFQ	-	char
Summary Variables	FoodGroup	Which food group the selected food belongs to based on FFQ.	-	Integer
Summary Variables	FoodGroupDescription	Description of the food group the selected food belongs to based on FFQ.	-	Char
Primary Energy Sources	A_BEV	MPED: Total drinks of alcohol	# of drinks	Double
Primary Energy Sources	A_CAL	MPED: Calories from alcoholic beverages	kcal	Double
Other	acesupot	Acesulfame Potassium	mg	Double
Carbohydrates	ADD_SUG	MPED: Teaspoon equivalents of added sugars	teaspoons	Double
Carbohydrates	addssugar	Added Sugars (by Available Carbohydrate)	g	Double
Carbohydrates	adsugtoto	Added Sugars (by Total Sugars)	g	Double
Amino Acids	alanine	Alanine	g	Double
Primary Energy Sources	alcohol	Alcohol	g	Double
Carotenoids	alphacar	Alpha-Carotene (provitamin A carotenoid)	mcg	Double
Vitamins	alpthoce	Total Vitamin E Activity (total alpha-tocopherol equivalents)	mg	Double
Vitamins	alpthoco	Alpha-Tocopherol	mg	Double
Amino Acids	arginine	Arginine	g	Double
Other	ash	Ash	g	Double
Other	aspartame	Aspartame	mg	Double
Amino Acids	aspartic	Aspartic Acid	g	Double

VioScreen Export Definitions

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Primary Energy Sources	avcarb	Available Carbohydrate	g	Double
Carotenoids	betacar	Beta-Carotene Equivalents (derived from provitamin A carotenoids)	mcg	Double
Carotenoids	betacar	Beta-Carotene Equivalents (derived from provitamin A carotenoids)	mcg	Double
Carotenoids	betacryp	Beta-Cryptoxanthin (provitamin A carotenoid)	mcg	Double
Other	betaine	Betaine	mg	Double
Vitamins	betatoco	Beta-Tocopherol	mg	Double
Isoflavones and Similar	biochana	Biochanin A	mg	Double
Other	caffeine	Caffeine	mg	Double
Minerals	calcium	Calcium	mg	Double
Primary Energy Sources	calories	Energy	kcal	Double
Primary Energy Sources	carbo	Total Carbohydrate	g	Double
Fat and Cholesterol	cholest	Cholesterol	mg	Double
Other	choline	Choline	mg	Double
Fatty Acids	clac9t11	CLA cis-9, trans-11	g	Double
Fatty Acids	clat10c12	CLA trans-10, cis-12	g	Double
Minerals	copper	Copper	mg	Double
Isoflavones and Similar	coumest	Coumestrol	mg	Double
Amino Acids	cysteine	Cystine	g	Double
Dairy	D_CHEESE	MPED: Number of cheese cup equivalents	cups	Double
Dairy	D_MILK	MPED: Number of milk cup equivalents	cups	Double
Dairy	D_TOT_SOYM	MPED: Total number of milk group (milk, yogurt & cheese) cup equivalents PLUS soy milk	cups	Double
Dairy	D_TOTAL	MPED: Total number of milk group (milk, yogurt & cheese) cup equivalents	cups	Double
Dairy	D_YOGURT	MPED: Number of yogurt cup equivalents	cups	Double
Isoflavones and Similar	daidzein	Daidzein	mg	Double
Vitamins	delttoco	Delta-Tocopherol	mg	Double
Primary Energy Sources	DISCFAT_OIL	MPED: Grams of discretionary Oil	g	Double
Primary Energy Sources	DISCFAT_SOL	MPED: Grams of discretionary Solid fat	g	Double
Sugar Alcohols (polyols)	erythr	Erythritol	g	Double
Fruit	F_CITMLB	MPED: Number of citrus, melon, berry cup equivalents	cups	Double
Fruit	F_NJ_CITMLB	MPED: Number of non-juice citrus, melon, berry cup equivalents	cups	Double
Fruit	F_NJ_OTHER	MPED: Number of non-juice other fruit cup equivalents	cups	Double
Fruit	F_NJ_TOTAL	MPED: Total number of non-juice fruit cup equivalents	cups	Double
Fruit	F_OTHER	MPED: Number of other fruit cup equivalents	cups	Double
Fruit	F_TOTAL	MPED: Total number of fruit cup equivalents	cups	Double

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Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Primary Energy Sources	fat	Total Fat	g	Double
Fiber	fiber	Total Dietary Fiber	g	Double
Fiber	fibh2o	Soluble Dietary Fiber	g	Double
Fiber	fibinso	Insoluble Dietary Fiber	g	Double
Vitamins	fol_deqv	Folate Dietary Equivalents	mcg	Double
Vitamins	fol_nat	Folate Natural (food folate)	mcg	Double
Vitamins	fol_syn	Folate Synthetic (folic acid)	mcg	Double
Isoflavones and Similar	formontn	Formononetin	mg	Double
Carbohydrates	fructose	Fructose	g	Double
Whole grains	G_NWHL	MPED: Number of non-whole grain ounce equivalents	oz equivalent	Double
Whole grains	G_TOTAL	MPED: Total number of grain ounce equivalents	oz equivalent	Double
Whole grains	G_WHL	MPED: Number of whole grain ounce equivalents	oz equivalent	Double
Carbohydrates	galactose	Galactose	g	Double
Vitamins	gammtoco	Gamma-Tocopherol	mg	Double
Isoflavones and Similar	genistn	Genistein	mg	Double
Glycemic Load	GLAC	Glycemic Load Based on Available Carbohydrate	-	Double
Glycemic Load	GLTC	Glycemic Load Based on Total Carbohydrate	-	Double
Carbohydrates	glucose	Glucose	g	Double
Amino Acids	glutamic	Glutamic Acid	g	Double
Amino Acids	glycine	Glycine	g	Double
Isoflavones and Similar	glycitn	Glycitein	mg	Double
Other	grams	Gram Amount (weight)	g	Double
Amino Acids	histidine	Histidine	g	Double
Sugar Alcohols (polyvols)	inositol	Inositol	g	Double
Minerals	iron	Iron	mg	Double
Amino Acids	isoleuc	Isoleucine	g	Double
Sugar Alcohols (polyvols)	isomalt	Isomalt	g	Double
Primary Energy Sources	joules	Energy	kJ	Double
Sugar Alcohols (polyvols)	lactitol	Lactitol	g	Double
Carbohydrates	lactose	Lactose	g	Double
Legumes	LEGUMES	MPED: Number of cooked dry beans and peas cup equivalents	cups	Double
Amino Acids	leucine	Leucine	g	Double
Glycemic Load	LineGi	Glycemic Index	-	Double
Carotenoids	lutzeax	Lutein + Zeaxanthin	mcg	Double
Carotenoids	lycopene	Lycopene	mcg	Double
Amino Acids	lysine	Lysine	g	Double
Protein	M_EGG	MPED: Oz equivalents of lean meat from eggs	ounces	Double
Protein	M_FISH_HI	MPED: Oz cooked lean meat from fish, other seafood high in Omega-3	ounces	Double

VioScreen Export Definitions

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Protein	M_FISH_LO	MPED: Oz cooked lean meat from fish, other seafood low in Omega-3	ounces	Double
Protein	M_FRANK	MPED: Oz cooked lean meat from franks, sausages, luncheon meats	ounces	Double
Protein	M_MEAT	MPED: Oz cooked lean meat from beef, pork, veal, lamb, and game	ounces	Double
Protein	M_MPF	MPED: Oz cooked lean meat from meat, poultry, fish	ounces	Double
Protein	M_NUTSD	MPED: Oz equivalents of lean meat from nuts and seeds	ounces	Double
Protein	M_ORGAN	MPED: Oz cooked lean meat from organ meats	ounces	Double
Protein	M_POULT	MPED: Oz cooked lean meat from chicken, turkey, and other poultry	ounces	Double
Protein	M_SOY	MPED: Oz equivalents of lean meat from soy product	ounces	Double
Minerals	magnes	Magnesium	mg	Double
Sugar Alcohols (polyvols)	maltitol	Maltitol	g	Double
Carbohydrates	maltose	Maltose	g	Double
Minerals	mangan	Manganese	mg	Double
Sugar Alcohols (polyvols)	mannitol	Mannitol	g	Double
Other	methhis3	3-Methylhistidine	mg	Double
Amino Acids	methion	Methionine	g	Double
Fatty Acids	mfa141	MUFA 14:1 (myristoleic acid)	g	Double
Fatty Acids	mfa161	MUFA 16:1 (palmitoleic acid)	g	Double
Fatty Acids	mfa181	MUFA 18:1 (oleic acid)	g	Double
Fatty Acids	mfa201	MUFA 20:1 (gadoleic acid)	g	Double
Fatty Acids	mfa221	MUFA 22:1 (erucic acid)	g	Double
Fat and Cholesterol	mfatot	Total Monounsaturated Fatty Acids (MUFA)	g	Double
Vitamins	natoco	Natural Alpha-Tocopherol (RRR-alpha-tocopherol or d- alpha-tocopherol)	mg	Double
Other	nccglbr	NCC Glycemic Load (bread reference)	-	Double
Other	nccglgr	NCC Glycemic Load (glucose reference)	-	Double
Vitamins	niacin	Niacin (vitamin B3)	mg	Double
Vitamins	niacineq	Niacin Equivalents	mg	Double
Other	nitrogen	Nitrogen	g	Double
Fatty Acids	omega3	Omega-3 Fatty Acids [pfa205 +pfa226]	g	Double
Other	oxalic	Oxalic Acid	mg	Double
Other	oxalicm	Oxalic Acid value specific to studies that use the Renal FFQ	mg	Double
Vitamins	pantothe	Pantothenic Acid	mg	Double
Fiber	pectins	Pectins	g	Double
Fatty Acids	pfa182	PUFA 18:2 (linoleic acid)	g	Double
Fatty Acids	pfa183	PUFA 18:3 (linolenic acid)	g	Double
Fatty Acids	pfa183n3	PUFA 18:3 n-3 (alpha-linolenic acid [ALA])	g	Double
Fatty Acids	pfa184	PUFA 18:4 (parinaric acid)	g	Double
Fatty Acids	pfa204	PUFA 20:4 (arachidonic acid)	g	Double
Fatty Acids	PFA205	PUFA 20:5 (eicosapentaenoic acid [EPA])	g	Double
Fatty Acids	pfa225	PUFA 22:5 (docosapentaenoic acid [DPA])	g	Double
Fatty Acids	pfa226	PUFA 22:6 (docosahexaenoic acid [DHA])	g	Double
Fat and Cholesterol	pfatot	Total Polyunsaturated Fatty Acids (PUFA)	g	Double
Amino Acids	phenylal	Phenylalanine	g	Double
Minerals	phosphor	Phosphorus	mg	Double
Other	phytic	Phytic Acid	mg	Double

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Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Sugar Alcohols (polyvols)	pinitol	Pinitol	g	Double
Minerals	potass	Potassium	mg	Double
Amino Acids	proline	Proline	g	Double
Primary Energy Sources	protanim	Animal Protein	g	Double
Primary Energy Sources	protein	Protein	g	Double
Primary Energy Sources	protveg	Vegetable Protein	g	Double
Vitamins	retinol	Retinol	mcg	Double
Grains	rgrain	Refined Grains (ounce equivalents)	oz equivalent	Double
Vitamins	ribofla	Riboflavin (vitamin B2)	mg	Double
Other	sacchar	Saccharin	mg	Double
Vitamins	satoco	Synthetic Alpha-Tocopherol (all rac-alpha-tocopherol or dl- alpha-tocopherol)	mg	Double
Minerals	selenium	Selenium	mcg	Double
Amino Acids	serine	Serine	g	Double
Fatty Acids	sfa100	SFA 10:0 (capric acid)	g	Double
Fatty Acids	sfa120	SFA 12:0 (lauric acid)	g	Double
Fatty Acids	sfa140	SFA 14:0 (myristic acid)	g	Double
Fatty Acids	sfa160	SFA 16:0 (palmitic acid)	g	Double
Fatty Acids	sfa170	SFA 17:0 (margaric acid)	g	Double
Fatty Acids	sfa180	SFA 18:0 (stearic acid)	g	Double
Fatty Acids	sfa200	SFA 20:0 (arachidic acid)	g	Double
Fatty Acids	sfa220	SFA 22:0 (behenic acid)	g	Double
Fatty Acids	sfa40	SFA 4:0 (butyric acid)	g	Double
Fatty Acids	sfa60	SFA 6:0 (caproic acid)	g	Double
Fatty Acids	sfa80	SFA 8:0 (caprylic acid)	g	Double
Fat and Cholesterol	sfatot	Total Saturated Fatty Acids (SFA)	g	Double
Minerals	sodium	Sodium	mg	Double
Fat and Cholesterol	solidfat	Solid Fats	g	Double
Sugar Alcohols (polyvols)	sorbitol	Sorbitol	g	Double
Carbohydrates	starch	Starch	g	Double
Other	sucpoly	Sucrose Polyester	g	Double
Carbohydrates	suclose	Sucralose	mg	Double
Carbohydrates	sucrose	Sucrose	g	Double
Carbohydrates	tagatose	Tagatose	mg	Double
Fatty Acids	tfa161t	TRANS 16:1 (trans-hexadecenoic acid)	g	Double
Fatty Acids	tfa181t	TRANS 18:1 (trans-octadecenoic acid [elaidic acid])	g	Double
Fatty Acids	tfa182t	TRANS 18:2 (trans-octadecadienoic acid [linolelaidic acid]); includes c-t, t-c, t-t)	g	Double
Grain	tgrain	Total Grains (ounce equivalents)	oz	Double
Vitamins	thiamin	Thiamin (vitamin B1)	mg	Double

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Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Amino Acids	threonin	Threonine	g	Double
Fat and Cholesterol	totaltfa	Total Trans-Fatty Acids (TRANS)	g	Double
Fat and Cholesterol	totcla	Total Conjugated Linoleic Acid (CLA 18:2)	g	Double
Vitamins	totfolat	Total Folate	mcg	Double
Carbohydrates	totsugar	Total Sugars	g	Double
Amino Acids	tryptoph	Tryptophan	g	Double
Amino Acids	tyrosine	Tyrosine	g	Double
Vegetables	V_DRKGR	MPED: Number of dark-green vegetable cup equivalents	cups	Double
Vegetables	V_ORANGE	MPED: Number of orange vegetable cup equivalents	cups	Double
Vegetables	V_OTHER	MPED: Number of other vegetable cup equivalents	cups	Double
Vegetables	V_POTATO	MPED: Number of white potato cup equivalents	cups	Double
Vegetables	V_STARCY	MPED: Number of other starchy vegetable cup equivalents	cups	Double
Vegetables	V_TOMATO	MPED: Number of tomato cup equivalents	cups	Double
Vegetables	V_TOTAL	MPED: Total number of vegetable cup equivalents, excl legumes	cups	Double
Amino Acids	valine	Valine	g	Double
Vitamins	vita_iu	Total Vitamin A Activity (International Units)	IU	Double
Vitamins	vita_rae	Total Vitamin A Activity (Retinol Activity Equivalents)	mcg	Double
Vitamins	vita_re	Total Vitamin A Activity (Retinol Equivalents)	mcg	Double
Vitamins	vitb12	Vitamin B12 (cobalamin)	mcg	Double
Vitamins	vitb6	Vitamin B6 (pyridoxine, pyridoxyl, and pyridoxamine)	mg	Double
Vitamins	vitc	Vitamin C (ascorbic acid)	mg	Double
Vitamins	vitd	Vitamin D (calciferol)	mcg	Double
Vitamins	vitd_iu	Vitamin D (calciferol)	IU	Double
Vitamins	vitd2	Vitamin D2 (ergocalciferol)	mcg	Double
Vitamins	vitd3	Vitamin D3 (cholecalciferol)	mcg	Double
Vitamins	vite_iu	Vitamin E (International Units)	IU	Double
Vitamins	vitk	Vitamin K (phyloquinone)	mcg	Double
Other	water	Water	g	Double
Grains	wgrain	Whole Grains (ounce equivalents)	oz equivalent	Double
Sugar Alcohols (polyvols)	xylitol	Xylitol	g	Double

Info Type	Column Header	Description of Column	Unit of Measure	Data Type
Minerals	zinc	Zinc	mg	Double

6 EXPORT FIELDS INCLUDED IN THE NV EXPORT VIOSCREEN 2.10+

Protocol definition fields are not available for any export run prior to VioScreen v2.10. For the remaining nutrient data, the column position will vary according to the information available in the database and consequently in the export. For any value where there is no data available the export will have a null value.

Table 2. Field Position of Nutrient Vector (NV) Export by Database

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
RECNO	1	1	1
BCODEID	2	2	2
PROCDATE	3	3	3
STARTED	4	4	4
FINISHED	5	5	5
TIME	6	6	6
SRVID	7	7	7
Protocol	8	8	8
NutrientRecommendation	9	9	9
Database	10	10	10
Questionnaire	11	11	11
Gender	12	12	12
Age	13	13	13
Height	14	14	14
Weight	15	15	15
BMI	16	16	16
EER	17	17	17
ActivityLevel	18	18	18
Visit	19	19	19
Username	20	20	20
SubjectId	21	21	21
UserId	22	22	22
DOB	23	23	23
Email	24	24	24
scf	25	25	25
scfv	26	26	26
Multivitamin	27	27	27
MultivitaminFreq	28	28	28
MultiCalciumDose	29	29	29
MultiCalciumAvg	30	30	30
Calcium	31	31	31
CalciumFreq	32	32	32
CalciumDose	33	33	33
CalciumAvg	34	34	34
VitaminC	[does not exist]	[does not exist]	35
VitaminCFreq	[does not exist]	[does not exist]	36
VitaminCDose	[does not exist]	[does not exist]	37
VitaminCAvg	[does not exist]	[does not exist]	38
FishOil	[does not exist]	[does not exist]	39
FishOilFreq	[does not exist]	[does not exist]	40

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
FishOilDose	[does not exist]	[does not exist]	41
FishOilAvg	[does not exist]	[does not exist]	42
FRT5DAY	35	35	43
FRTSUMM	36	36	44
VEG5DAY	37	37	45
VEGSUMM	38	38	46
AlcoholServings	39	39	47
CalciumFromDairyServings	40	40	48
CalciumServings	41	41	49
LowFatDairyServing	42	42	50
FriedFishServings	43	43	51
NonFriedFishServings	44	44	52
FishServings	45	45	53
FriedFoodServings	46	46	54
FruitServings	47	47	55
JuiceServings	48	48	56
SaladVegetableServings	49	49	57
SweetServings	50	50	58
VegetableServings	51	51	59
WholeGrainServings	52	52	60
HEIScore	53	53	61
HEI_Fruit	54	54	62
HEI_NonJuiceFrt	55	55	63
HEI_Veg	56	56	64
HEI_DrkG_OrgVeg_Leg	57	57	65
HEI_Grains	58	58	66
HEI_Whl_Grains	59	59	67
HEI_Milk	60	60	68
HEI_Meat_Beans	61	61	69
HEI_Oils	62	62	70
HEI_SatFat	63	63	71
HEI_Sodium	64	64	72
HEI_SolFat_Alc_AddSug	65	65	73
HEI2010Score	66	66	74
HEI2010_Fruit	67	67	75
HEI2010_Whole_Fruit	68	68	76
HEI2010_Veg	69	69	77
HEI2010_Greens_Beans	70	70	78
HEI2010_Whole_Grains	71	71	79
HEI2010_Dairy	72	72	80
HEI2010_Protien_Foods	73	73	81

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
HEI2010_SeaFoods_PlantProtiens	74	74	82
HEI2010_Fatty_Acids	75	75	83
HEI2010_Refined_Grains	76	76	84
HEI2010_Sodium	77	77	85
HEI2010_Empty_Calories	78	78	86
A_BEV	79	79	87
A_CAL	80	80	88
acesupot	81	81	89
ADD_SUG	82	82	90
addsugar	83	83	91
adsugtot	[does not exist]	84	92
alanine	84	85	93
alcohol	85	86	94
alphacar	86	87	95
alphtoce	87	88	96
alphtoco	88	89	97
arginine	89	90	98
ash	90	91	99
aspartam	91	92	100
aspartic	92	93	101
avcarb	93	94	102
betacar	94	95	103
betacryp	95	96	104
betaine	96	97	105
betatoco	97	98	106
biochana	98	99	107
caffeine	99	100	108
calcium	100	101	109
calories	101	102	110
carbo	102	103	111
cholest	103	104	112
choline	104	105	113
clac9t11	105	106	114
clat10c12	106	107	115
copper	107	108	116
coumest	108	109	117
cystine	109	110	118
D_CHEESE	110	111	119
D_MILK	111	112	120
D_TOT_SOYM	112	113	121
D_TOTAL	113	114	122

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
D_YOGURT	114	115	123
daidzein	115	116	124
delttoco	116	117	125
DISCFAT_OIL	117	118	126
DISCFAT_SOL	118	119	127
erythr	119	120	128
F_CITMLB	120	121	129
F_NJ_CITMLB	121	122	130
F_NJ_OTHER	122	123	131
F_NJ_TOTAL	123	124	132
F_OTHER	124	125	133
F_TOTAL	125	126	134
fat	126	127	135
fiber	127	128	136
fibh2o	128	129	137
fibinso	129	130	138
fol_deqv	130	131	139
fol_nat	131	132	140
fol_syn	132	133	141
formontn	133	134	142
fructose	134	135	143
G_NWHL	135	136	144
G_TOTAL	136	137	145
G_WHL	137	138	146
galactos	138	139	147
gammtoco	139	140	148
genistn	140	141	149
GLAC	141	142	150
GLTC	142	143	151
glucose	143	144	152
glutamic	144	145	153
glycine	145	146	154
glycitn	146	147	155
grams	147	148	156
histidin	148	149	157
inositol	149	150	158
iron	150	151	159
isoleuc	151	152	160
isomalt	152	153	161
joules	153	154	162
lactitol	154	155	163

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
lactose	155	156	164
LEGUMES	156	157	165
leucine	157	158	166
LineGi	158	159	167
lutzeax	159	160	168
lycopene	160	161	169
lysine	161	162	170
M_EGG	162	163	171
M_FISH_HI	163	164	172
M_FISH_LO	164	165	173
M_FRANK	165	166	174
M_MEAT	166	167	175
M_MPF	167	168	176
M_NUTSD	168	169	177
M_ORGAN	169	170	178
M_POULT	170	171	179
M_SOY	171	172	180
magnes	172	173	181
maltitol	173	174	182
maltose	174	175	183
mangan	175	176	184
mannitol	176	177	185
methhis3	177	178	186
methion	178	179	187
mfa141	179	180	188
mfa161	180	181	189
mfa181	181	182	190
mfa201	182	183	191
mfa221	183	184	192
mfatot	184	185	193
natoco	185	186	194
nccglbr	186	187	195
nccglgr	187	188	196
niacin	188	189	197
niacineq	189	190	198
nitrogen	190	191	199
omega3	191	192	200
oxalic	192	193	201
oxalicm	193	194	202
pantothe	194	195	203
pectins	195	196	204

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
pfa182	196	197	205
pfa183	197	198	206
pfa183n3	[does not exist]	[does not exist]	207
pfa184	198	199	208
pfa204	199	200	209
PFA205	200	201	210
pfa225	201	202	211
pfa226	202	203	212
pfatot	203	204	213
phenylal	204	205	214
phosphor	205	206	215
phytic	206	207	216
pinitol	207	208	217
potass	208	209	218
proline	209	210	219
protanim	210	211	220
protein	211	212	221
protveg	212	213	222
retinol	213	214	223
rgrain	[does not exist]	215	224
ribofla	214	216	225
sacchar	215	217	226
satoco	216	218	227
selenium	217	219	228
serine	218	220	229
sfa100	219	221	230
sfa120	220	222	231
sfa140	221	223	232
sfa160	222	224	233
sfa170	223	225	234
sfa180	224	226	235
sfa200	225	227	236
sfa220	226	228	237
sfa40	227	229	238
sfa60	228	230	239
sfa80	229	231	240
sfatot	230	232	241
sodium	231	233	242
Solidfat	[does not exist]	[does not exist]	243
sorbitol	232	234	244
starch	233	235	245

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
sucpoly	234	236	246
sucrose	235	237	247
sucrose	236	238	248
tagatose	237	239	249
tfa161t	238	240	250
tfa181t	239	241	251
tfa182t	240	242	252
tgrain	[does not exist]	243	253
thiamin	241	244	254
threonin	242	245	255
totaltfa	243	246	256
totcla	244	247	257
totfolat	245	248	258
totsugar	246	249	259
tryptoph	247	250	260
tyrosine	248	251	261
V_DRKGR	249	252	262
V_ORANGE	250	253	263
V_OTHER	251	254	264
V_POTATO	252	255	265
V_STARCH	253	256	266
V_TOMATO	254	257	267
V_TOTAL	255	258	268
valine	256	259	269
vita_iu	257	260	270
vita_rae	258	261	271
vita_re	259	262	272
vitb12	260	263	273
vitb6	261	264	274
vitc	262	265	275
vitd	263	266	276
vitd_iu	264	267	277
vitd2	265	268	278
vitd3	266	269	279
vite_iu	267	270	280
vitk	268	271	281
water	269	272	282
wgrain	[does not exist]	273	282
xylitol	270	274	283
zinc	271	275	284

7 EXPORT FIELDS INCLUDED IN THE FC EXPORT v2.10+

Protocol definition fields are not available for any export run prior to VioScreen v2.10. For the remaining nutrient data, the column position will vary according to the information available in the database and consequently in the export. For any value where there is no data available the export will have a null value.

Table 3. Field Position for the Food Consumption (FC) Export by Database

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
RECNO	1	1	1
BCODEID	2	2	2
STARTED	3	3	3
Protocol	4	4	4
NutrientRecommendation	5	5	5
Database	6	6	6
Questionnaire	7	7	7
Gender	8	8	8
Height	9	9	9
Weight	10	10	10
BMI	11	11	11
Visit	12	12	12
Username	13	13	13
SubjectId	14	14	14
UserId	15	15	15
FoodDescription	16	16	16
Frequency	17	17	17
PortionSize	18	18	18
YearlyFrequency	19	19	19
FrequencyAdjustment	20	20	20
EatingPattern	21	21	21
EatingPatternDescription	22	22	22
FoodGroup	23	23	23
FoodGroupDescription	24	24	24
A_BEV	25	25	25
A_CAL	26	26	26
acesupot	27	27	27
ADD_SUG	28	28	28
addsugar	29	29	29
adsugt	[does not exist]	30	30
alanine	30	31	31
alcohol	31	32	32
alphacar	32	33	33
alphtoce	33	34	34
alphtoco	34	35	35

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
arginine	35	36	36
ash	36	37	37
aspartam	37	38	38
aspartic	38	39	39
avcarb	39	40	40
betacar	40	41	41
betacryp	41	42	42
betaine	42	43	43
betatoco	43	44	44
biochana	44	45	45
caffeine	45	46	46
calcium	46	47	47
calories	47	48	48
carbo	48	49	49
cholest	49	50	50
choline	50	51	51
clac9t11	51	52	52
clat10c12	52	53	53
copper	53	54	54
coumest	54	55	55
cystine	55	56	56
D_CHEESE	56	57	57
D_MILK	57	58	58
D_TOT_SOYM	58	59	59
D_TOTAL	59	60	60
D_YOGURT	60	61	61
daidzein	61	62	62
delttoco	62	63	63
DISCFAT_OIL	63	64	64
DISCFAT_SOL	64	65	65
erythr	65	66	66
F_CITMLB	66	67	67
F_NJ_CITMLB	67	68	68
F_NJ_OTHER	68	69	69
F_NJ_TOTAL	69	70	70
F_OTHER	70	71	71
F_TOTAL	71	72	72
fat	72	73	73
fiber	73	74	74
fibh2o	74	75	75

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
fibinso	75	76	76
fol_deqv	76	77	77
fol_nat	77	78	78
fol_syn	78	79	79
formontn	79	80	80
fructose	80	81	81
G_NWHL	81	82	82
G_TOTAL	82	83	83
G_WHL	83	84	84
galactos	84	85	85
gammtoco	85	86	86
genistn	86	87	87
GLAC	87	88	88
GLTC	88	89	89
glucose	89	90	90
glutamic	90	91	91
glycine	91	92	92
glycitn	92	93	93
goutfood	[does not exist]	[does not exist]	94
grams	93	94	95
histidin	94	95	96
inositol	95	96	97
iron	96	97	98
isoleuc	97	98	99
isomalt	98	99	100
joules	99	100	101
lactitol	100	101	102
lactose	101	102	103
LEGUMES	102	103	104
leucine	103	104	105
LineGi	104	105	106
lutzeax	105	106	107
lycopene	106	107	108
lysine	107	108	109
M_EGG	108	109	110
M_FISH_HI	109	110	111
M_FISH_LO	110	111	112
M_FRANK	111	112	113
M_MEAT	112	113	114

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
M_MPF	113	114	115
M_NUTSD	114	115	116
M_ORGAN	115	116	117
M_POULT	116	117	118
M_SOY	117	118	119
magnes	118	119	120
maltitol	119	120	121
maltose	120	121	122
mangan	121	122	123
mannitol	122	123	124
methhis3	123	124	125
methion	124	125	126
mfa141	125	126	127
mfa161	126	127	128
mfa181	127	128	129
mfa201	128	129	130
mfa221	129	130	131
mfatot	130	131	132
natoco	131	132	133
nccglbr	132	133	134
nccglgr	133	134	135
niacin	134	135	136
niacineq	135	136	137
nitrogen	136	137	138
omega3	137	138	139
oxalic	138	139	140
oxalicm	139	140	141
pantothe	140	141	142
pectins	141	142	143
pfa182	142	143	144
pfa183	143	144	145
pfa183n3	[does not exist]	[does not exist]	146
pfa184	144	145	147
pfa204	145	146	148
pfa205	146	147	149
pfa225	147	148	150
pfa226	148	149	151
pfatot	149	150	152
phenylal	150	151	153

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
phosphor	151	152	154
phytic	152	153	155
pinitol	153	154	156
potass	154	155	157
proline	155	156	158
protanim	156	157	159
protein	157	158	160
protveg	158	159	161
retinol	159	160	162
rgrain	[does not exist]	161	163
ribofla	160	162	164
sacchar	161	163	165
satoco	162	164	166
selenium	163	165	167
serine	164	166	168
sfa100	165	167	169
sfa120	166	168	170
sfa140	167	169	171
sfa160	168	170	172
sfa170	169	171	173
sfa180	170	172	174
sfa200	171	173	175
sfa220	172	174	176
sfa40	173	175	177
sfa60	174	176	178
sfa80	175	177	179
sfatot	176	178	180
sodium	177	179	181
Solidfat	[does not exist]	[does not exist]	182
sorbitol	178	180	183
starch	179	181	184
sucpoly	180	182	185
sucrose	181	183	186
sucrose	182	184	187
tagatose	183	185	188
tfa161t	184	186	189
tfa181t	185	187	190
tfa182t	186	188	191

Column Header	Column Position NDSR42	Column Position NDSR44	Column Position NDSR45
tgrain	[does not exist]	189	192
thiamin	187	190	193
threonin	188	191	194
totaltfa	189	192	195
totcla	190	193	196
totfolat	191	194	197
totsugar	192	195	198
tryptoph	193	196	199
tyrosine	194	197	200
V_DRKGR	195	198	201
V_ORANGE	196	199	202
V_OTHER	197	200	203
V_POTATO	198	201	204
V_STARCY	199	202	205
V_TOMATO	200	203	206
V_TOTAL	201	204	207
valine	202	205	208
vita_iu	203	206	209
vita_rae	204	207	210
vita_re	205	208	211
vitb12	206	209	212
vitb6	207	210	213
vite	208	211	214
vitd	209	212	215
vitd_iu	210	213	216
vitd2	211	214	217
vitd3	212	215	218
vite_iu	213	216	219
vitk	214	217	220
water	215	218	221
wgrain	[does not exist]	219	222
xylitol	216	220	223
zinc	217	221	224