Check intermediate date1 variable

	N	NMiss	Min	Max	Median	Range
date1	1961	0	01JUN2012	24JUN2024	05APR2017	4406.00

Check intermediate date4 variable

	N	NMiss	Min	Max	Median	Range
date4	1961	0	07AUG2012	16AUG2024	27MAR2018	4392.00

The FREQ Procedure

voluntary_mandated	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Fda Mandated	7	0.36	7	0.36
N/A	1	0.05	8	0.41
Voluntary: Firm Initiated	1953	99.59	1961	100.00

The FREQ Procedure

usda_region	Frequency
Northeast	442
Southwest	371
Great Lakes Midwest	316
Southeast	254
Northwest & Rocky Mountain	160
Appalachia	113
Rio Grande Colonias	107
North Central	65
Heartland	63
Islands & Remote Areas	25
Delta	23
International	22

usda_region	state	Frequency
Northeast	NY	149
Northeast	NJ	98
Northeast	PA	64
Northeast	MA	47
Northeast	CT	22
Northeast	MD	22
Northeast	VT	12
Northeast	ME	10
Northeast	NH	10
Northeast	RI	5
Northeast	DE	3
Southwest	CA	301
Southwest	UT	42
Southwest	AZ	24
Southwest	NV	4
Great Lakes Midwest	IL	140
Great Lakes Midwest	MI	101
Great Lakes Midwest	WI	45
Great Lakes Midwest	IN	30
Southeast	FL	137
Southeast	NC	49

The FREQ Procedure

usda_region	state	Frequency
Southeast	GA	40
Southeast	VA	21
Southeast	SC	7
Northwest & Rocky Mountain	CO	60
Northwest & Rocky Mountain	OR	46
Northwest & Rocky Mountain	WA	42
Northwest & Rocky Mountain	ID	6
Northwest & Rocky Mountain	WY	4
Northwest & Rocky Mountain	MT	2
Appalachia	OH	69
Appalachia	TN	32
Appalachia	KY	10
Appalachia	WV	2
Rio Grande Colonias	TX	94
Rio Grande Colonias	NM	13
North Central	MN	58
North Central	ND	6
North Central	SD	1
Heartland	MO	23
Heartland	IA	19
Heartland	NE	13
Heartland	KS	5
Heartland	OK	3
Islands & Remote Areas	PR	21
Islands & Remote Areas	AK	2
Islands & Remote Areas	HI	2
Delta	AL	9
Delta	AR	7
Delta	LA	6
Delta	MS	1
International	N/A	19
International	Alberta	1
International	Nova Scotia	1
International	Quebec	1

The UNIVARIATE Procedure
Variable: days

Basic Statistical Measures			
Location		**Variability**	
Mean	331.3192	**Std Deviation**	320.01007
Median	204.0000	**Variance**	102406
Mode	91.0000	**Range**	2006
		Interquartile Range	320.00000

Note: The mode displayed is the smallest of 2 modes with a count of 12.

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	45.84815	**Pr > |t|**	<.0001
Sign	**M**	980.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	961870.5	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	2019
99%	1504
95%	1021
90%	783
75% Q3	438
50% Median	204
25% Q1	118
10%	66
5%	49
1%	28
0% Min	13

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
13	818	1870	1343
16	174	1881	687
17	1620	1919	977
17	743	1927	1507
19	1926	2019	1555

The FREQ Procedure

general_reason	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Precaution	771	39.32	771	39.32
Mislabelled	683	34.83	1454	74.15
Microbe	189	9.64	1643	83.78
Other	157	8.01	1800	91.79
Contaminant	102	5.20	1902	96.99
Unprepared	59	3.01	1961	100.00

The CONTENTS Procedure

Data Set Name	LIB.RECALLS	**Observations**	1961
Member Type	DATA	**Variables**	23
Engine	V9	**Indexes**	0
Created	08/22/2024 13:55:02	**Observation Length**	10264
Last Modified	08/22/2024 13:55:02	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Alphabetic List of Variables and Attributes

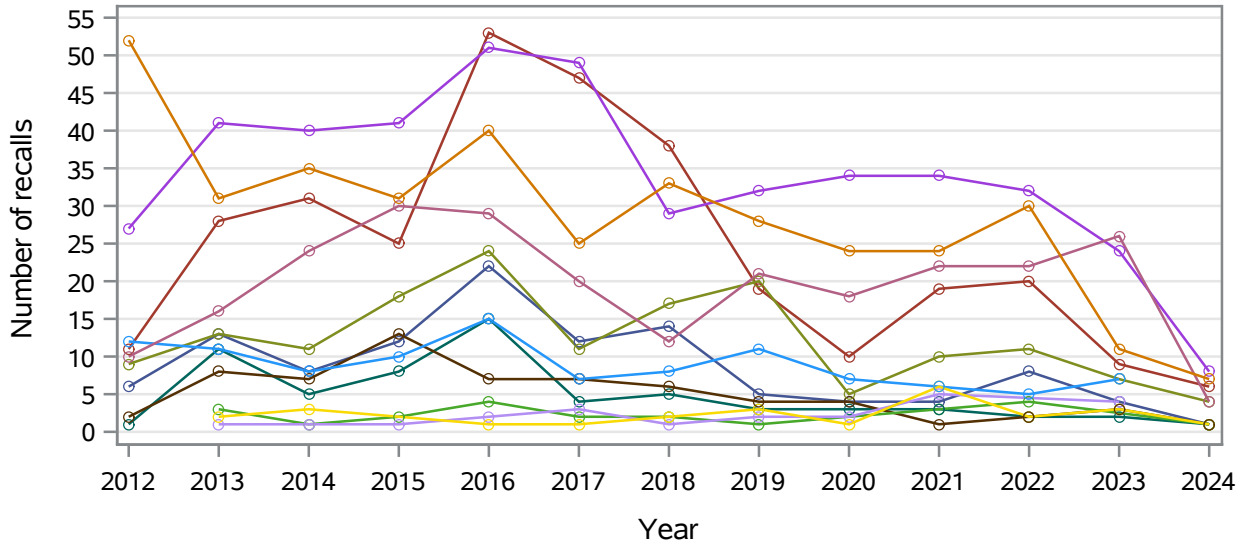
#	Variable	Type	Len	Format	Label
16	center_classification_date	Char	8		date when recalled food product was classified
9	classification	Char	9		relative degree of health hazard assigned by FDA: I (adverse), II (less adverse), III (unlikely adverse)
5	country	Char	100		country of firm location
19	date1	Num	8	DATE9.	recall_initiation_date
20	date4	Num	8	DATE9.	recall_termination_date
18	date1year	Char	8		year of recall initation date
22	days	Num	8		number of days between initiation to termination dates
3	distribution_pattern	Char	2000		places in the U.S. where distributed
11	event_id	Char	5		numerical tracking number assigned by FDA to a specific recall event
23	general_reason	Char	30		general reason for recall
13	initial_firm_notification	Char	81		method by which public were initially notified of recall
6	product_description	Char	5000		description of food product
2	product_quantity	Char	500		amount of food product
10	product_type	Char	4		type of recalled product
1	reason_for_recall	Char	2000		original reason
15	recall_initiation_date	Char	8		date when recalled food product is first notified to public or consignees of a recall
14	recall_number	Char	11		alphanumeric tracking number assigned by FDA to a specific recalled product
7	recalling_firm	Char	300		name of food firm
4	state	Char	100		state of firm location
8	status	Char	10		progress of recall
17	termination_date	Char	8		date when recalled food product is terminated

The CONTENTS Procedure

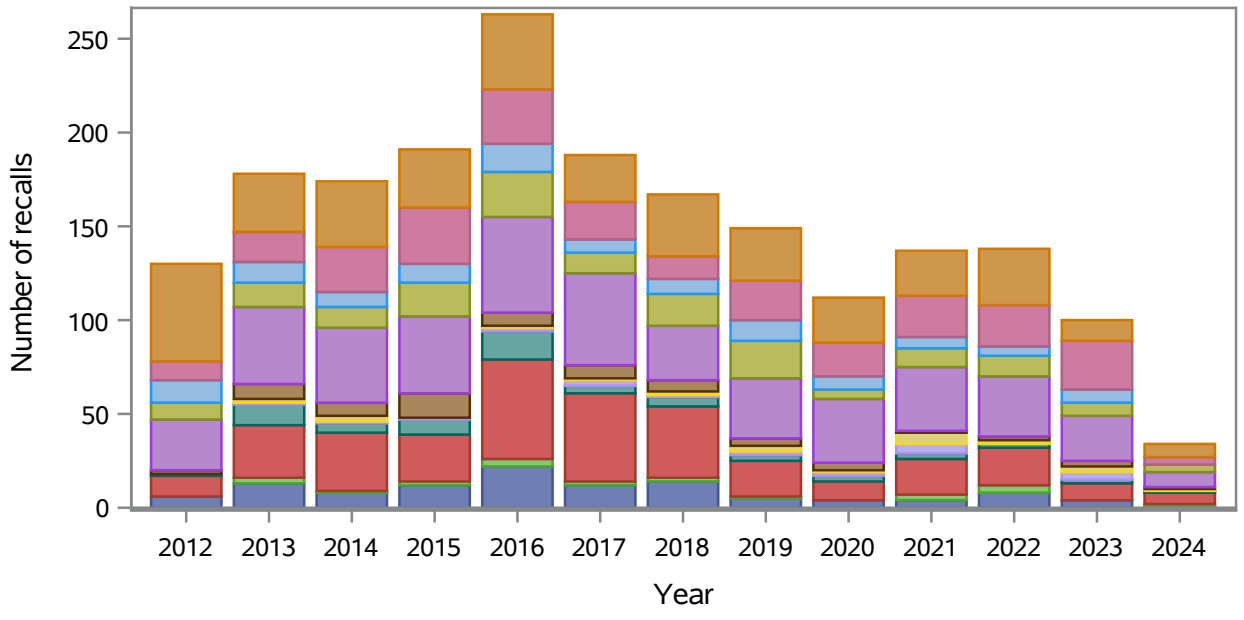
Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Label
21	usda_region	Char	26		food business center region of firm
12	voluntary_mandated	Char	25		status of whether recall was initated voluntarily by a firm or after being mandated by statutory recall authority, court order, or FDA

The MEANS Procedure

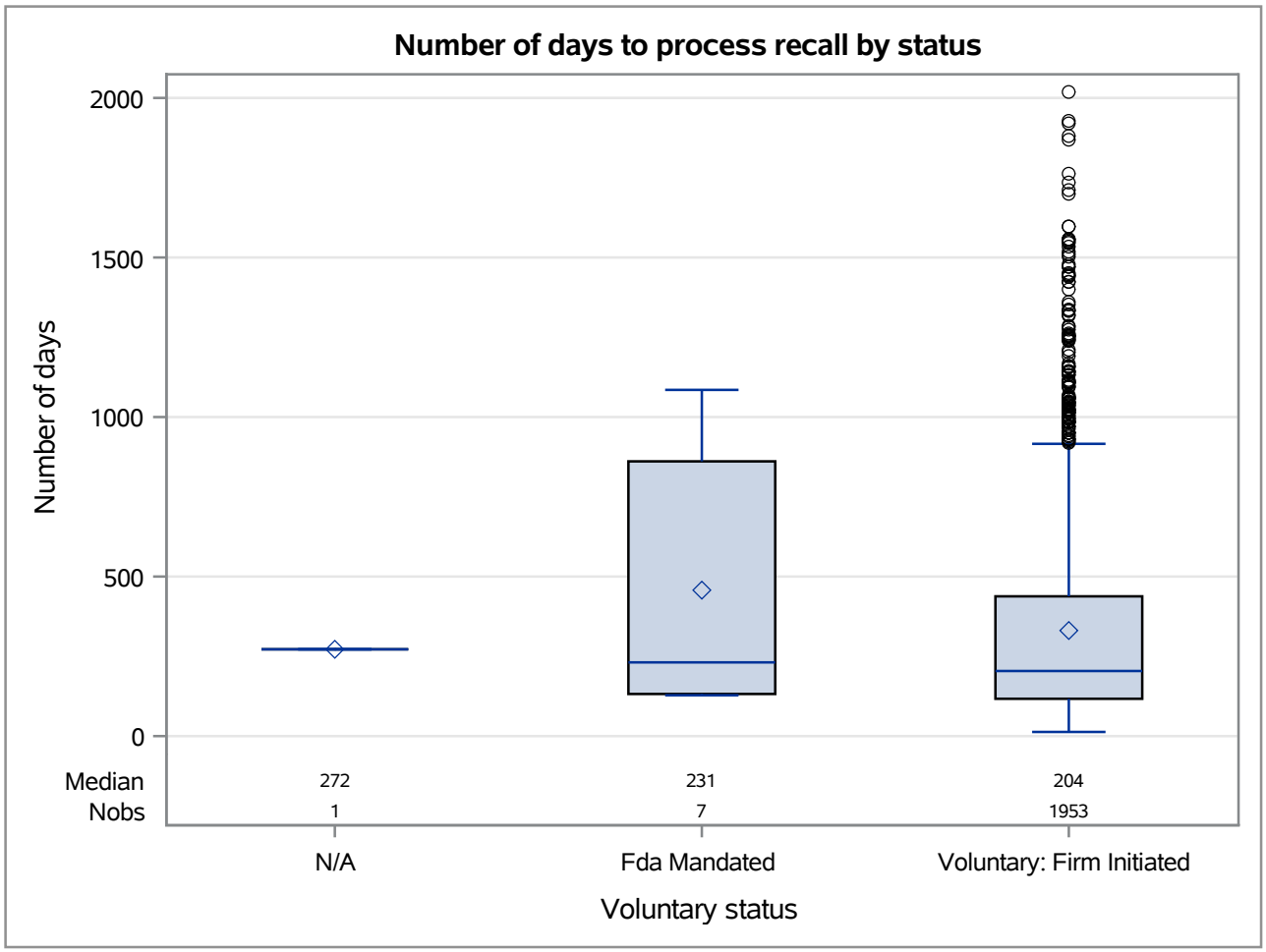
Analysis Variable : COUNT Frequency Count				
N	Mean	Std Dev	Minimum	Maximum
13	150.8461538	54.5035873	34.0000000	263.0000000

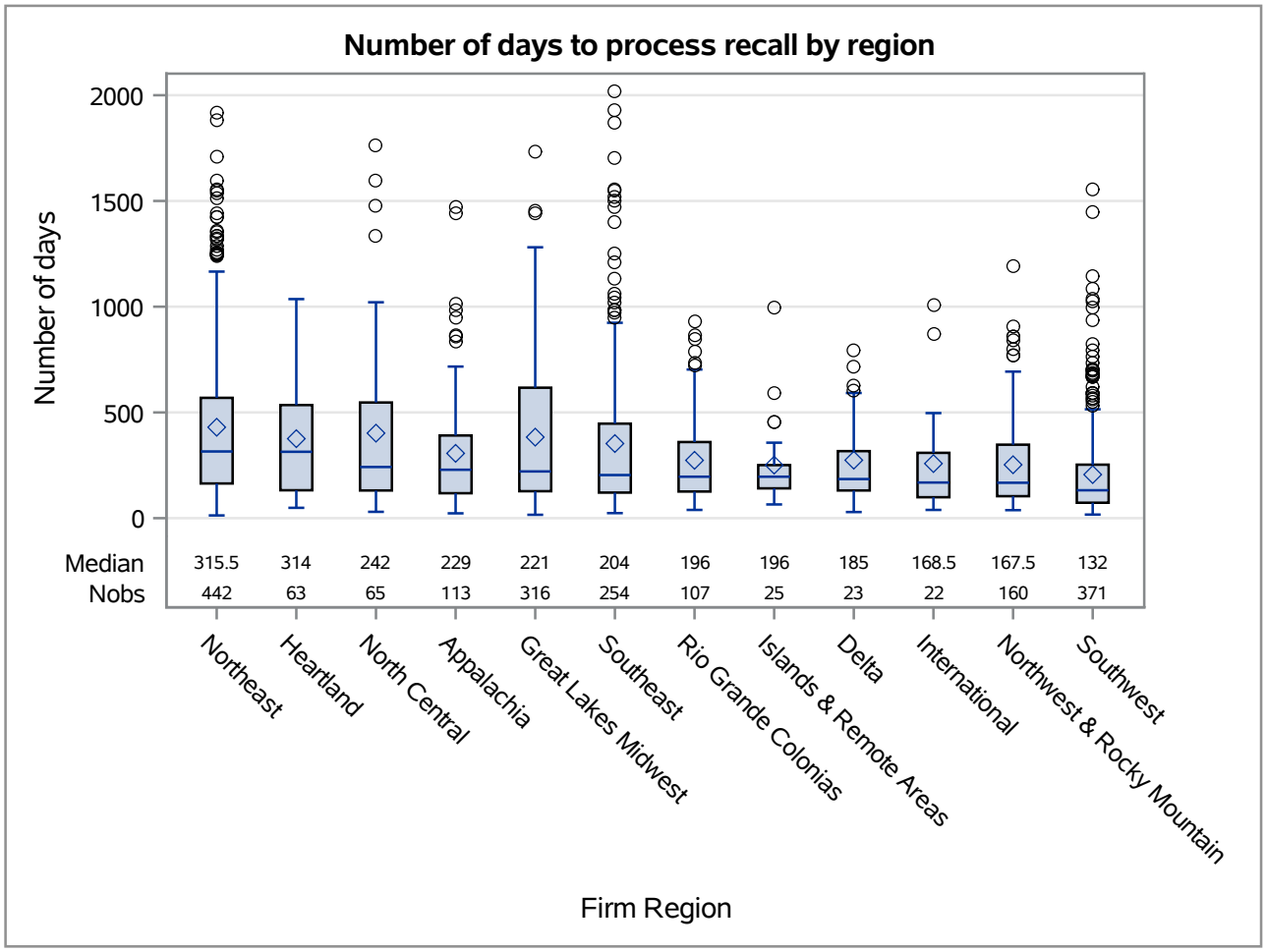


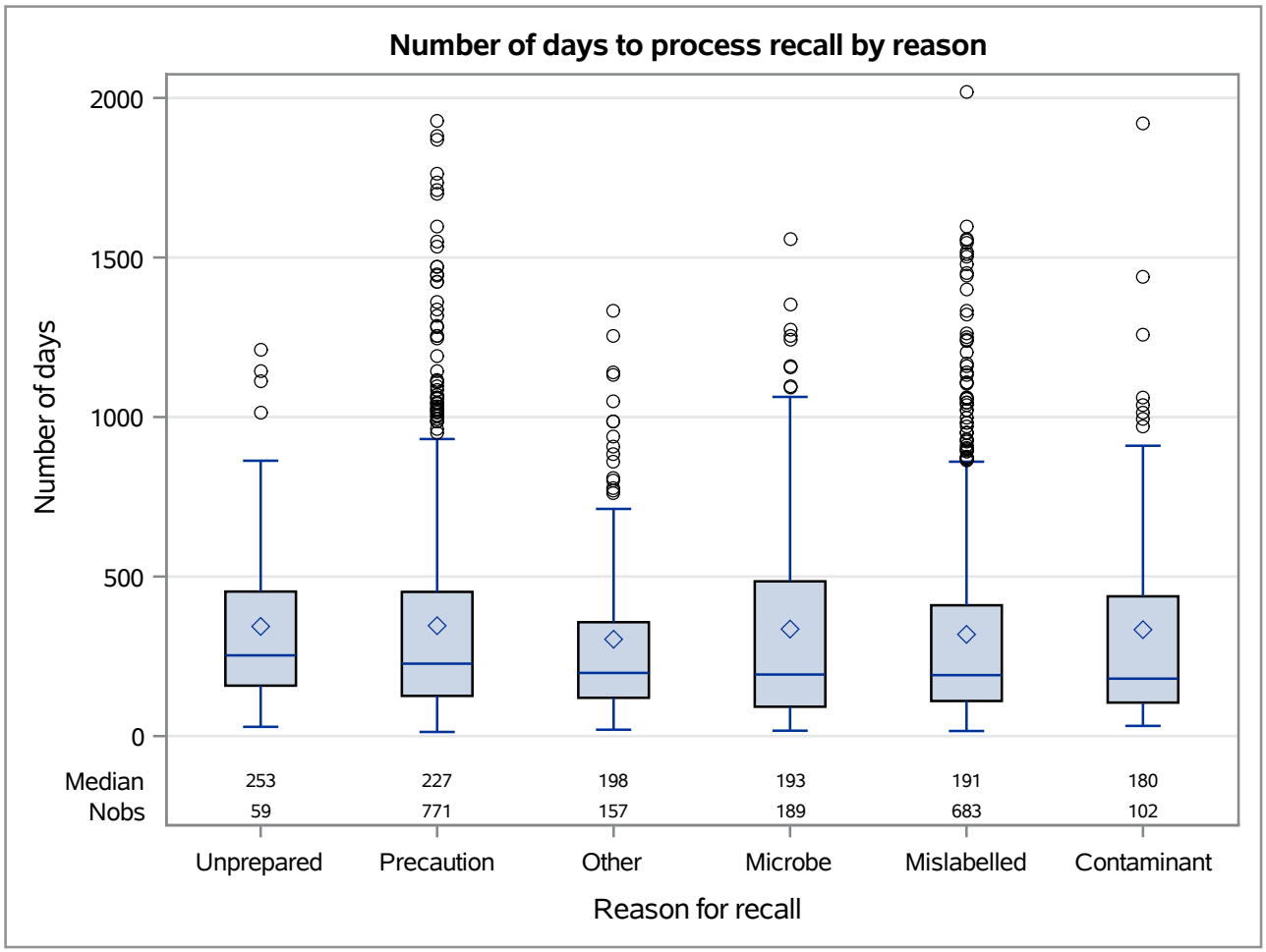
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.

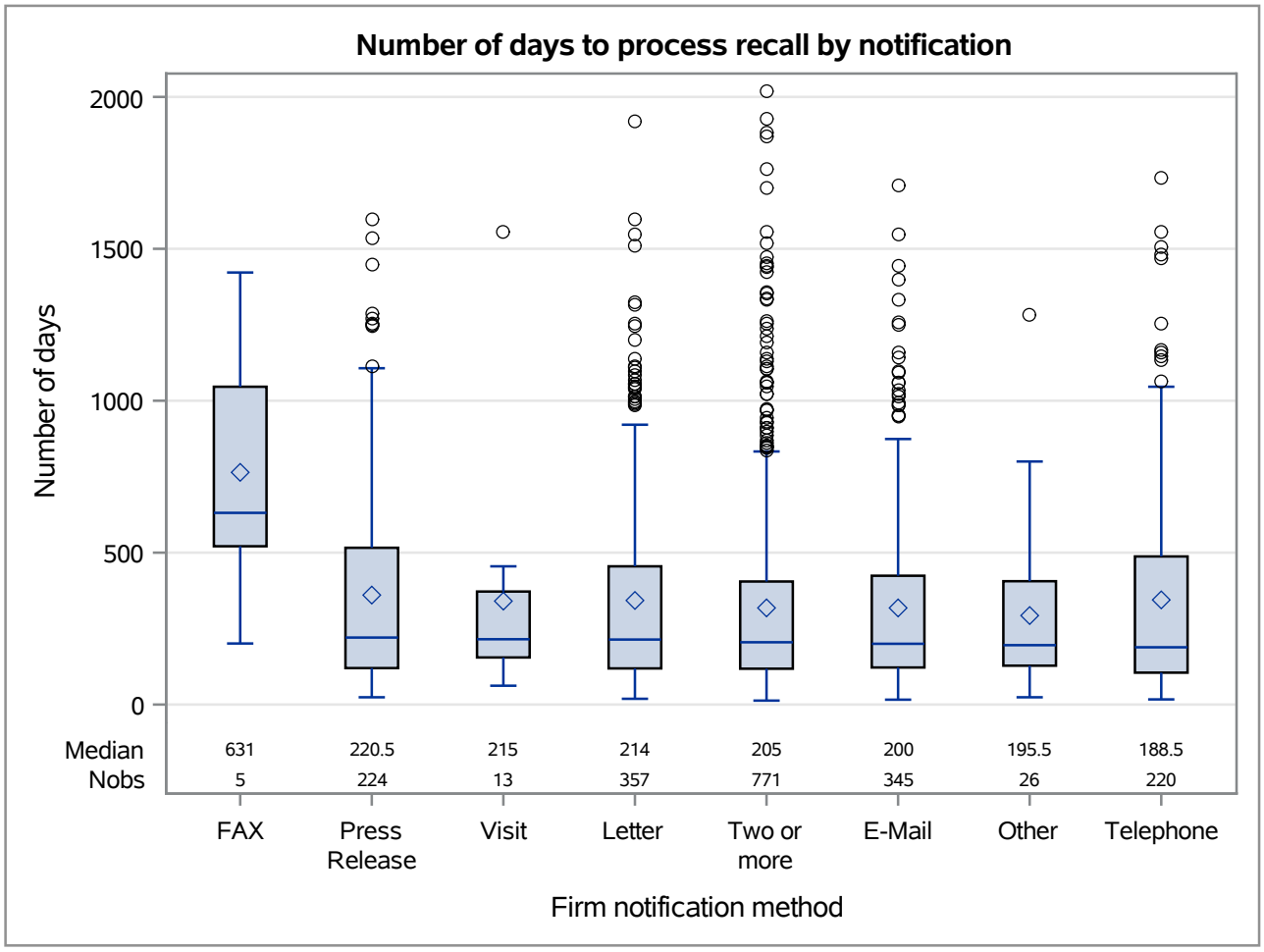


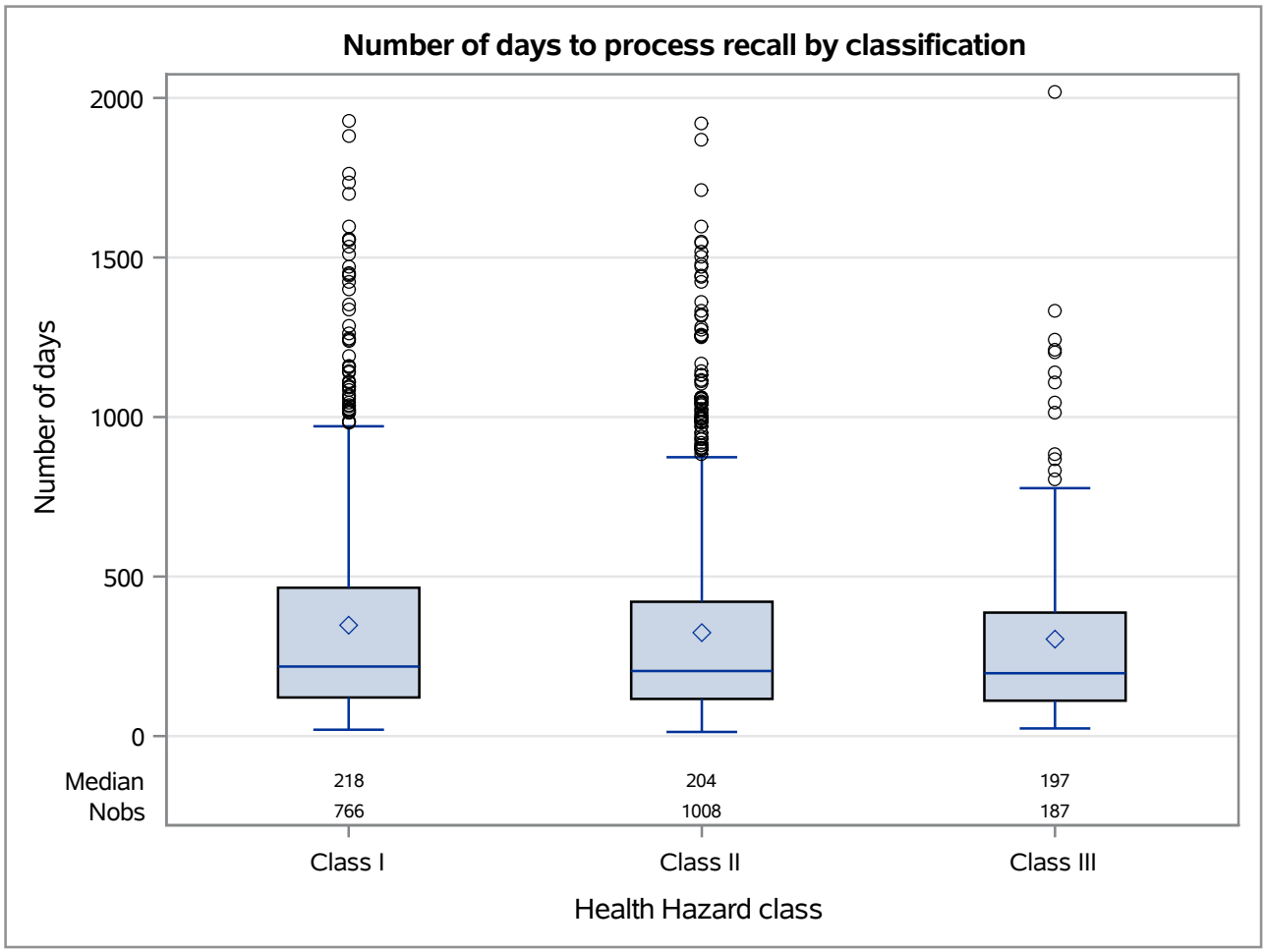
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.

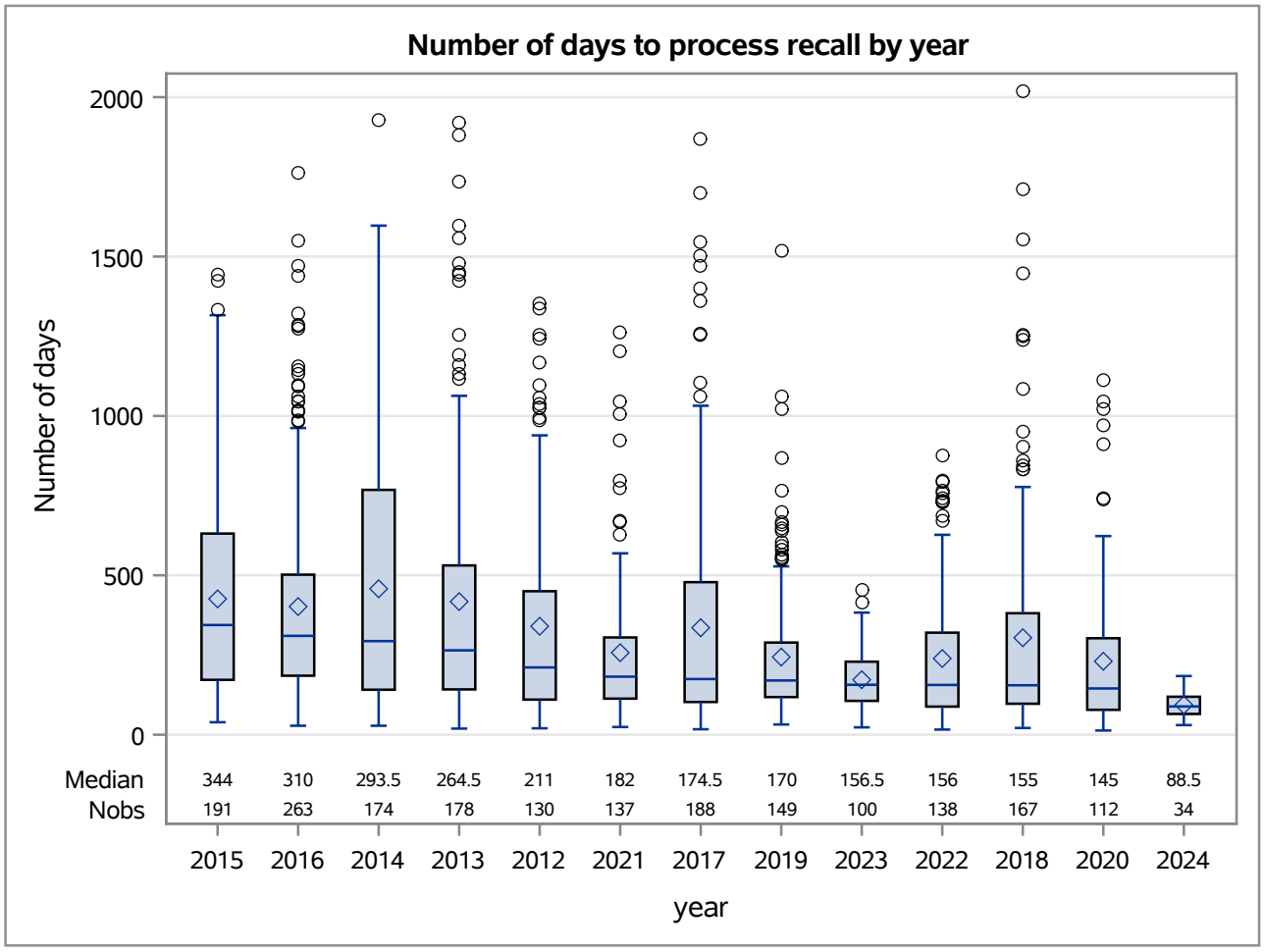

Number of days to process recall by status
2000
1500
1000
500
0
Number of days
Median
Nobs
272
1
231
7
204
1953
N/A
Fda Mandated
Voluntary: Firm Initiated
Voluntary status


Number of days to process recall by region
2000
1500
1000
500
0
Number of days
Median
Nobs
315.5
442
314
63
242
65
229
113
221
316
204
254
196
107
196
25
185
23
168.5
22
167.5
160
132
371
Northeast
Heartland
North Central
Appalachia
Great Lakes Midwest
Southeast
Rio Grande Colonias
Islands & Remote Areas
Delta
International
Northwest & Rocky Mountain
Southwest
Firm Region


Number of days to process recall by reason
Number of days
2000
1500
1000
500
0
Median
Nobs
253
59
227
771
198
157
193
189
191
683
180
102
Unprepared
Precaution
Other
Microbe
Mislabelled
Contaminant
Reason for recall


Number of days to process recall by notification
Number of days
2000
1500
1000
500
0
Median
Nobs
631
5
220.5
224
215
13
214
357
205
771
200
345
195.5
26
188.5
220
FAX
Press Release
Visit
Letter
Two or more
E-Mail
Other
Telephone
Firm notification method


Number of days to process recall by classification
Number of days
2000
1500
1000
500
0
Median
Nobs
218
766
204
1008
197
187
Class I
Class II
Class III
Health Hazard class


Number of days to process recall by year
Number of days
2000
1500
1000
500
0
Median
Nobs
344
191
310
263
293.5
174
264.5
178
211
130
182
137
174.5
188
170
149
156.5
100
156
138
155
167
145
112
88.5
34
2015
2016
2014
2013
2012
2021
2017
2019
2023
2022
2018
2020
2024
year

Non-parametric test of days processed to completion by status

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
1.3762	2	0.5025

Non-parametric test of days processed to completion by region

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
159.0356	11	<.0001

Non-parametric test of days processed to completion by general reason

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
9.6755	5	0.0850

Non-parametric test of days processed to completion by notification method

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
9.3116	7	0.2311

Non-parametric test of days processed to completion by health hazard class

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
2.4853	2	0.2886

Non-parametric test of days processed to completion by year

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
200.4844	12	<.0001