Check intermediate date1 variable

	N	NMiss	Min	Max	Median	Range
date1	1986	0	01JUN2012	17JUL2024	01MAY2017	4429.00

	N	NMiss	Min	Max	Median	Range
date4	1986	0	07AUG2012	20SEP2024	12APR2018	4427.00

The FREQ Procedure

voluntary_mandated	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Fda Mandated	7	0.35	7	0.35
N/A	1	0.05	8	0.40
Voluntary: Firm Initiated	1978	99.60	1986	100.00

The FREQ Procedure

usda_region	Frequency
Northeast	448
Southwest	382
Great Lakes Midwest	319
Southeast	254
Northwest & Rocky Mountain	161
Appalachia	115
Rio Grande Colonias	107
North Central	65
Heartland	63
Islands & Remote Areas	25
International	24
Delta	23

usda_region	state	Frequency
Northeast	NY	149
Northeast	NJ	101
Northeast	PA	65
Northeast	MA	47
Northeast	MD	23
Northeast	CT	22
Northeast	VT	12
Northeast	ME	10
Northeast	NH	10
Northeast	RI	5
Northeast	DE	4
Southwest	CA	311
Southwest	UT	42
Southwest	AZ	25
Southwest	NV	4
Great Lakes Midwest	IL	142
Great Lakes Midwest	MI	102
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	43
Northwest & Rocky Mountain	ID	6
Northwest & Rocky Mountain	WY	4
Northwest & Rocky Mountain	MT	2
Appalachia	OH	70
Appalachia	TN	32
Appalachia	KY	11
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
International	N/A	21
International	Alberta	1
International	Nova Scotia	1
International	Quebec	1
Delta	AL	9
Delta	AR	7
Delta	LA	6
Delta	MS	1

The UNIVARIATE Procedure
Variable: days

Basic Statistical Measures			
Location		**Variability**	
Mean	331.8902	**Std Deviation**	319.16168
Median	205.5000	**Variance**	101864
Mode	91.0000	**Range**	2006
		Interquartile Range	321.00000

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**	46.34185	**Pr > |t|**	<.0001
Sign	**M**	993	**Pr >= |M|**	<.0001
Signed Rank	**S**	986545.5	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	2019.0
99%	1504.0
95%	1021.0
90%	785.0
75% Q3	439.0
50% Median	205.5
25% Q1	118.0
10%	66.0
5%	49.0
1%	28.0
0% Min	13.0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
13	825	1870	1357
16	349	1881	673
17	1641	1919	990
17	726	1927	1518
19	1950	2019	1571

The FREQ Procedure

general_reason	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Precaution	779	39.22	779	39.22
Mislabelled	694	34.94	1473	74.17
Microbe	191	9.62	1664	83.79
Other	161	8.11	1825	91.89
Contaminant	102	5.14	1927	97.03
Unprepared	59	2.97	1986	100.00

The CONTENTS Procedure

Data Set Name	LIB.RECALLS	**Observations**	1986
Member Type	DATA	**Variables**	23
Engine	V9	**Indexes**	0
Created	09/23/2024 16:24:49	**Observation Length**	10264
Last Modified	09/23/2024 16:24:49	**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

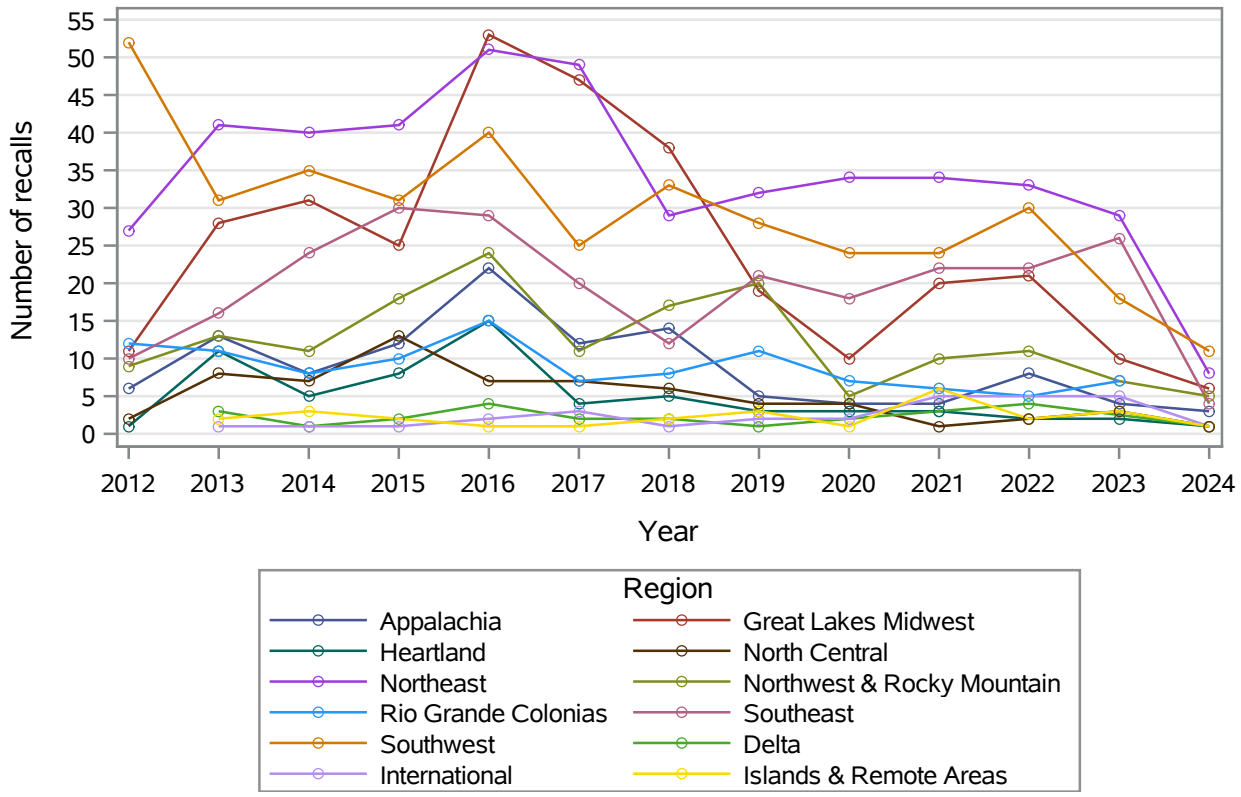
#	Variable	Type	Len	Format	Label
16	center_classification_date	Char	8		date when recalled food product was classified
9	classification	Char	9		relative degree of health hazard assigned by FDA: I (adverse), II (less adverse), III (unlikely adverse)
5	country	Char	100		country of firm location
19	date1	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

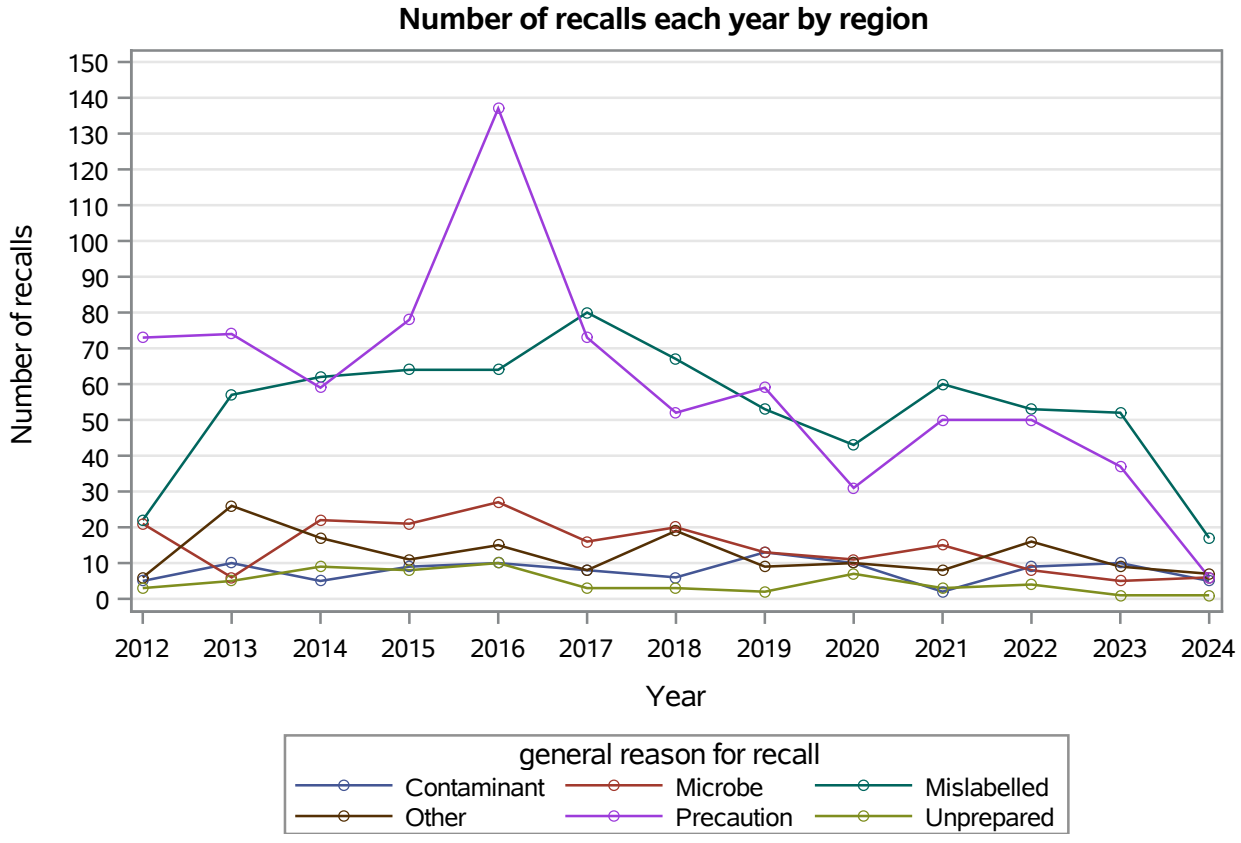
Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Label
21	usda_region	Char	26		food business center region of firm
12	voluntary_mandated	Char	25		status of whether recall was initated voluntarily by a firm or after being mandated by statutory recall authority, court order,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

The MEANS Procedure

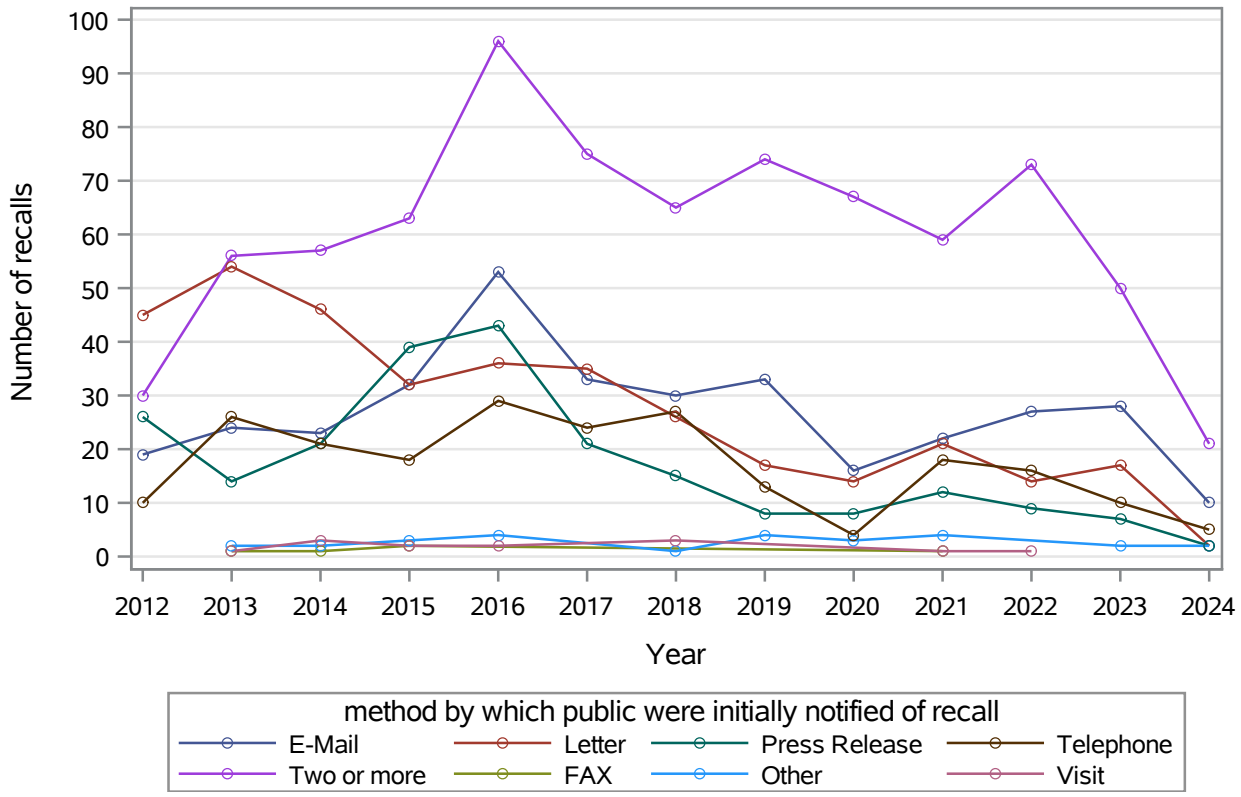
Analysis Variable : COUNT Frequency Count				
N	Mean	Std Dev	Minimum	Maximum
13	152.7692308	52.0354908	42.0000000	263.0000000



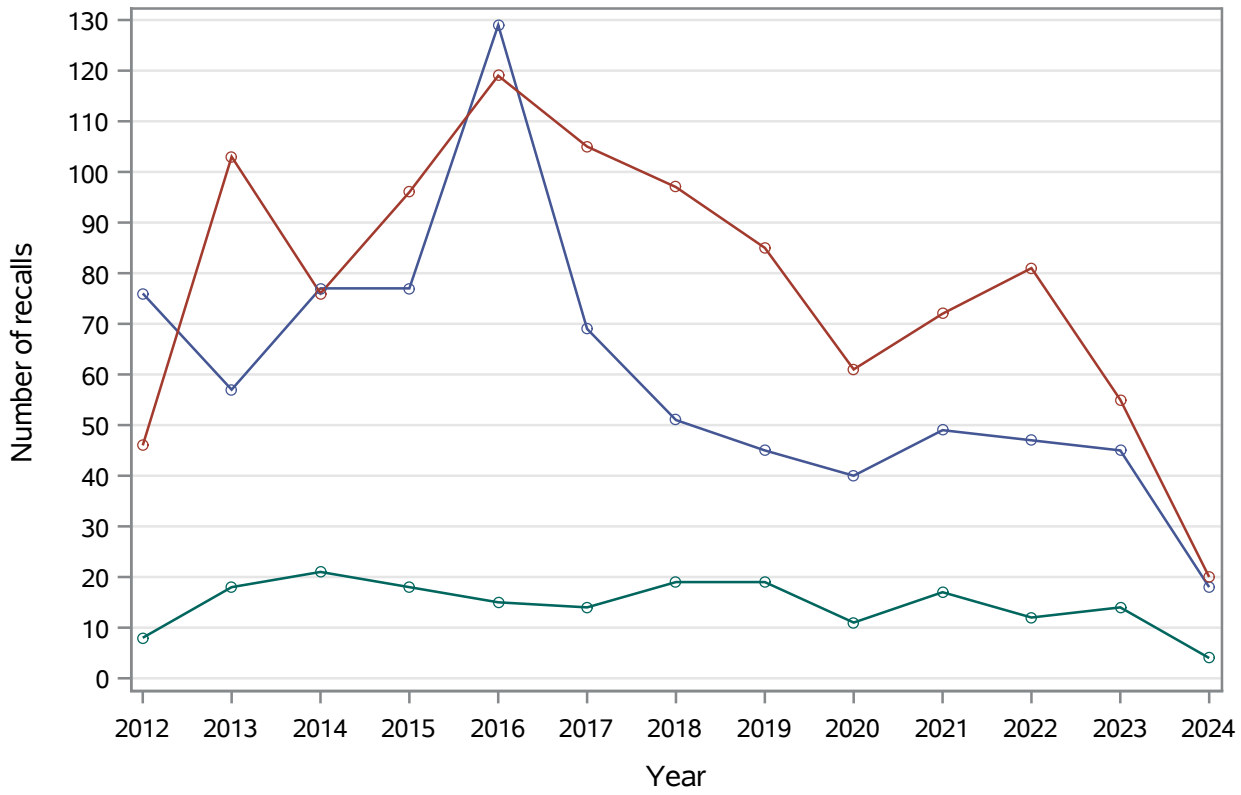
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.



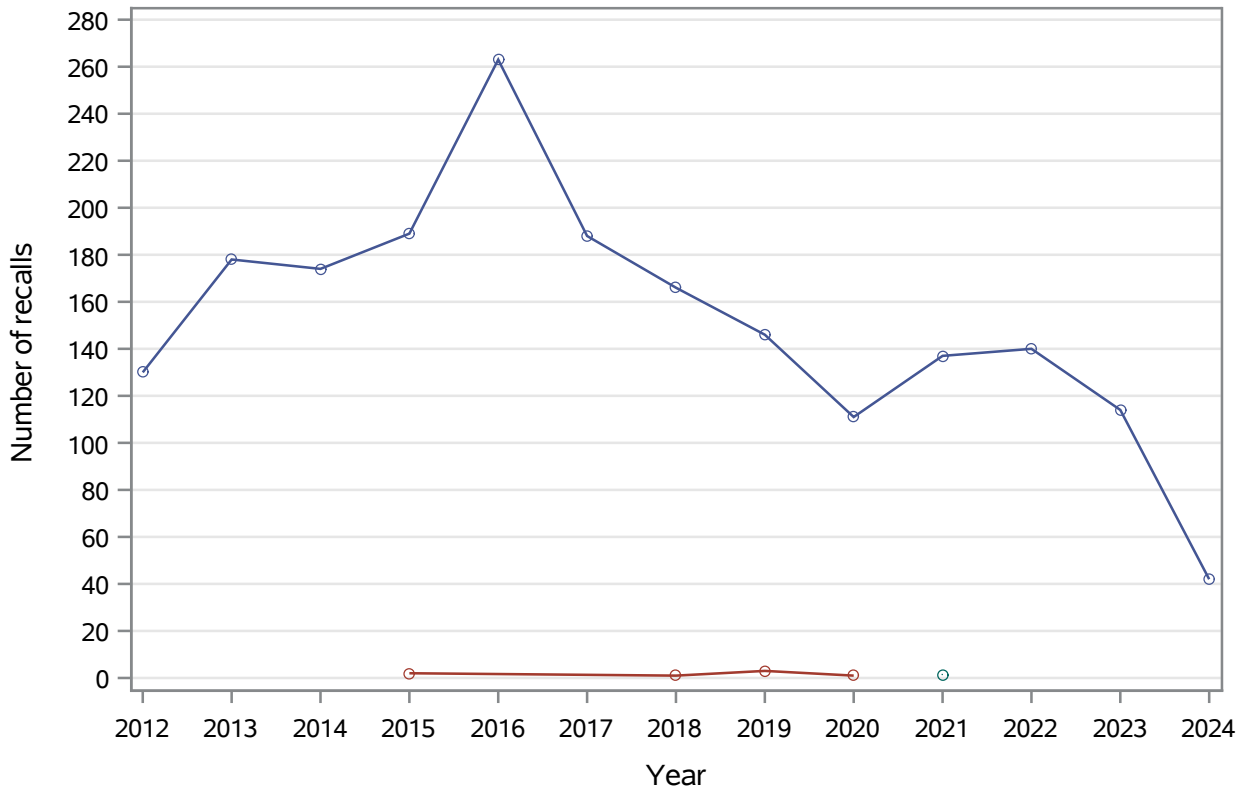
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.



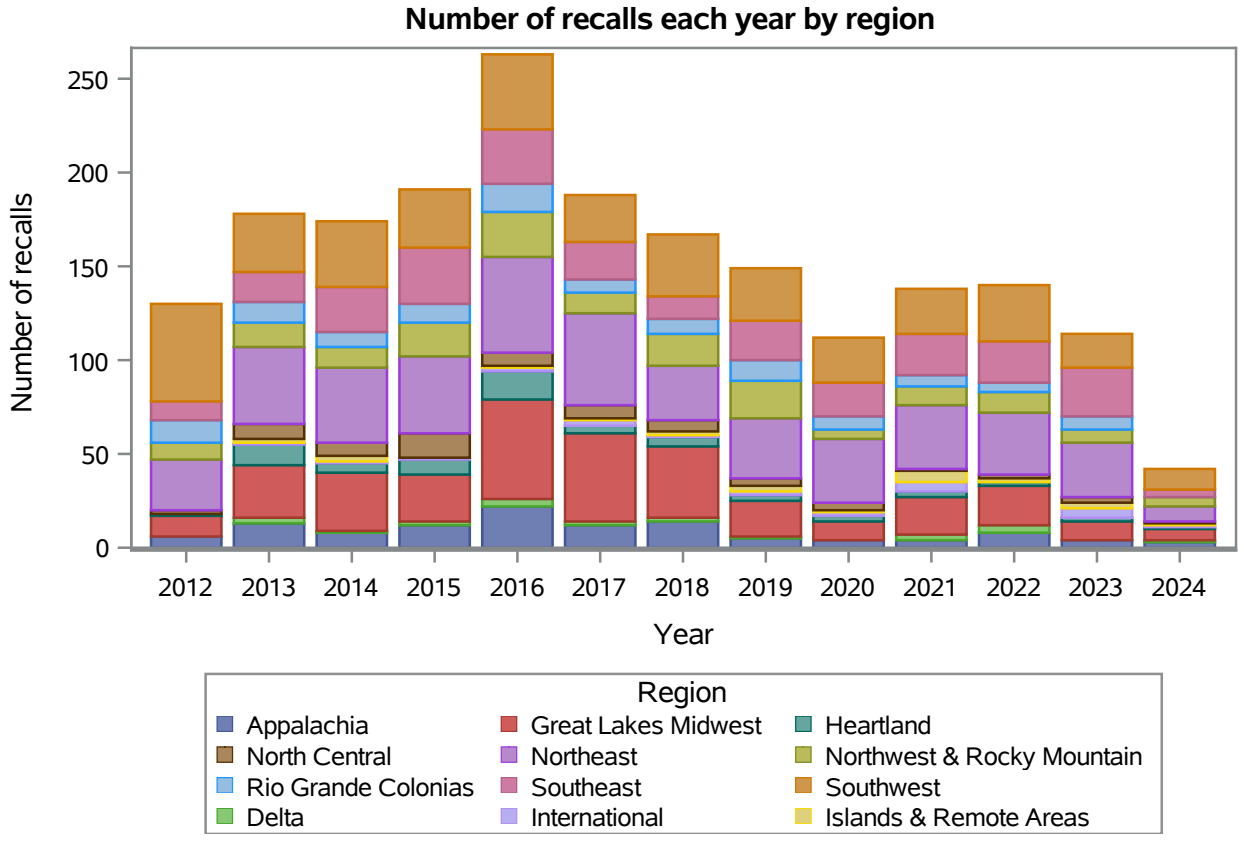
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.



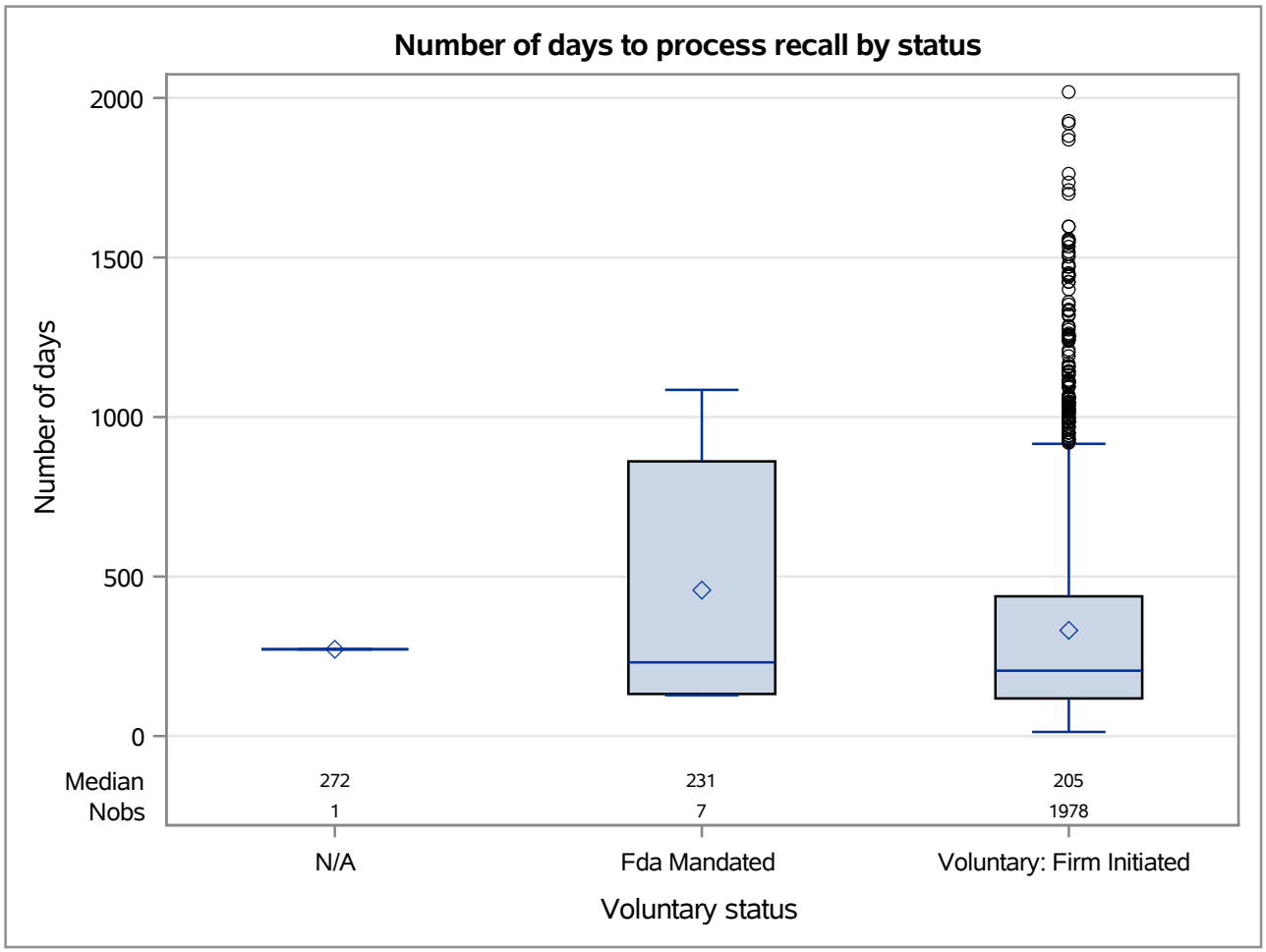
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.

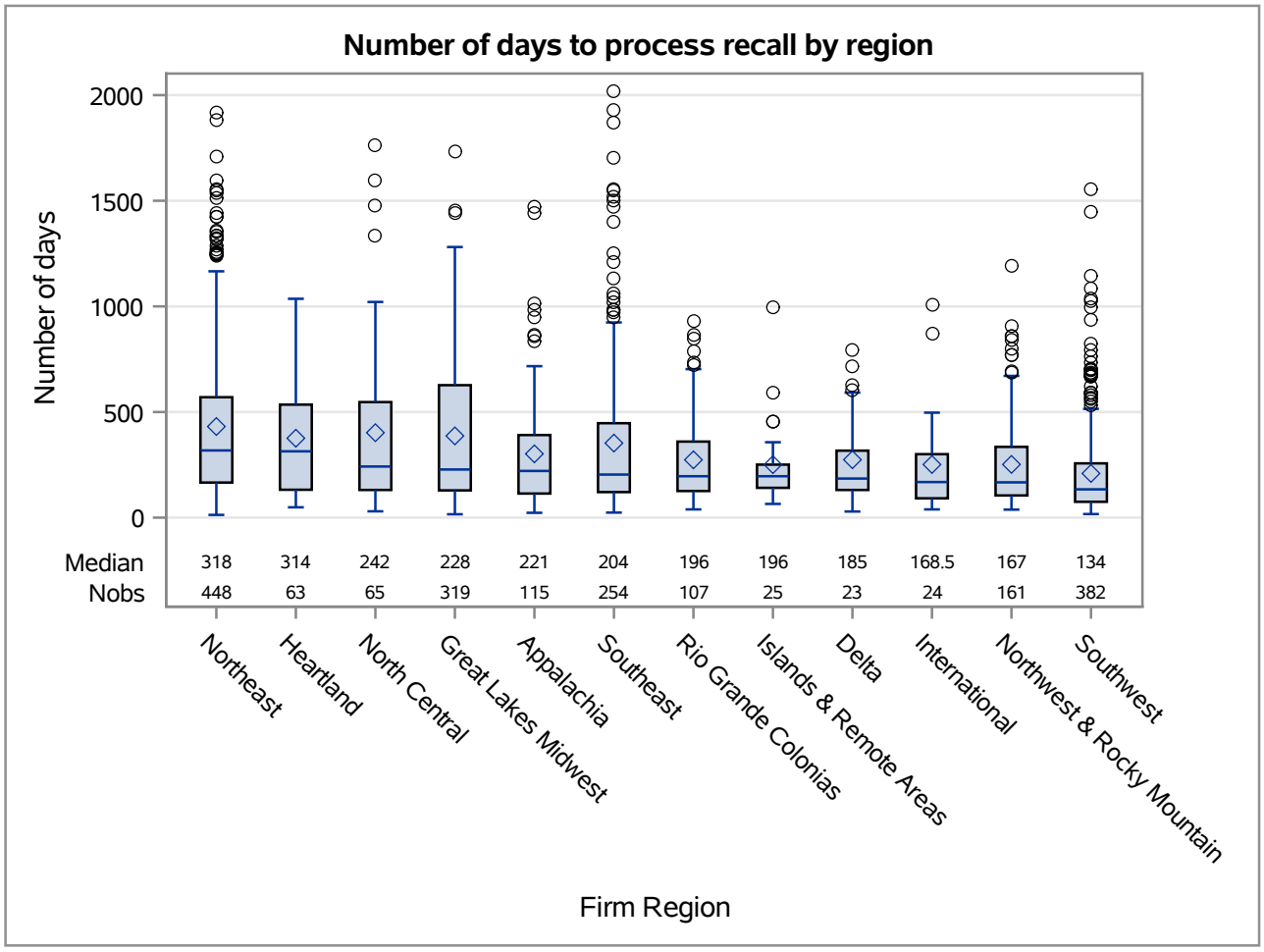


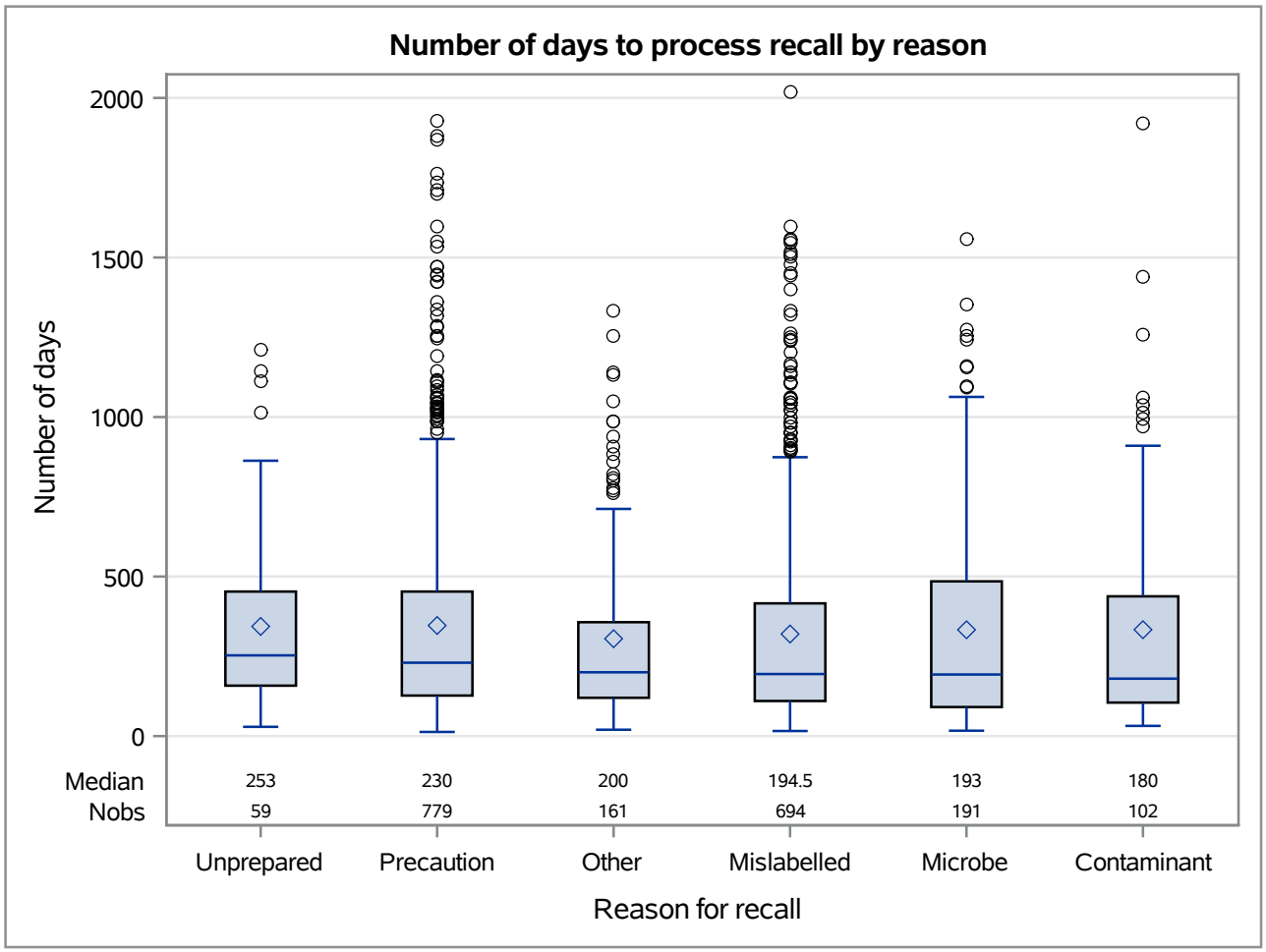
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.

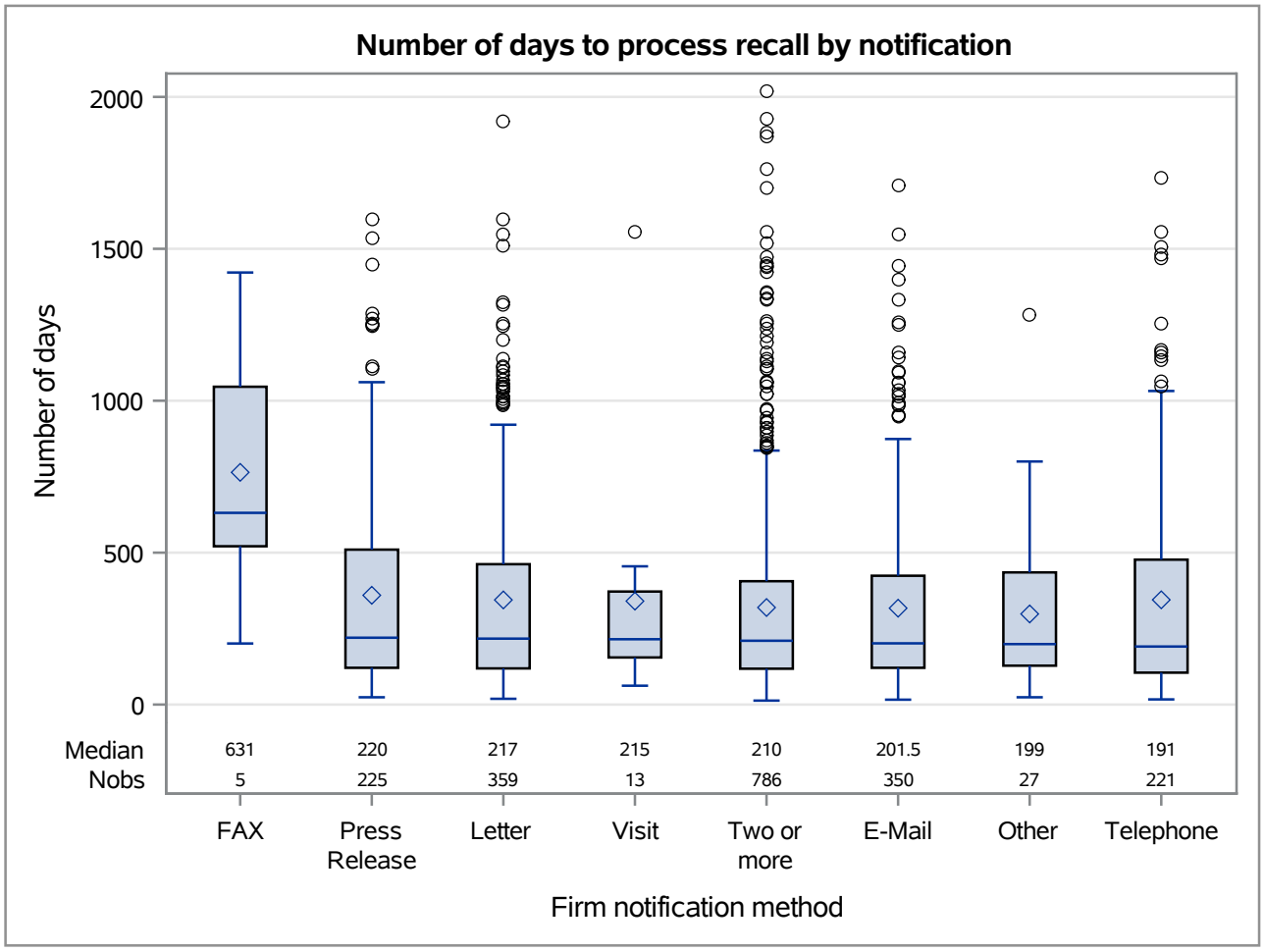


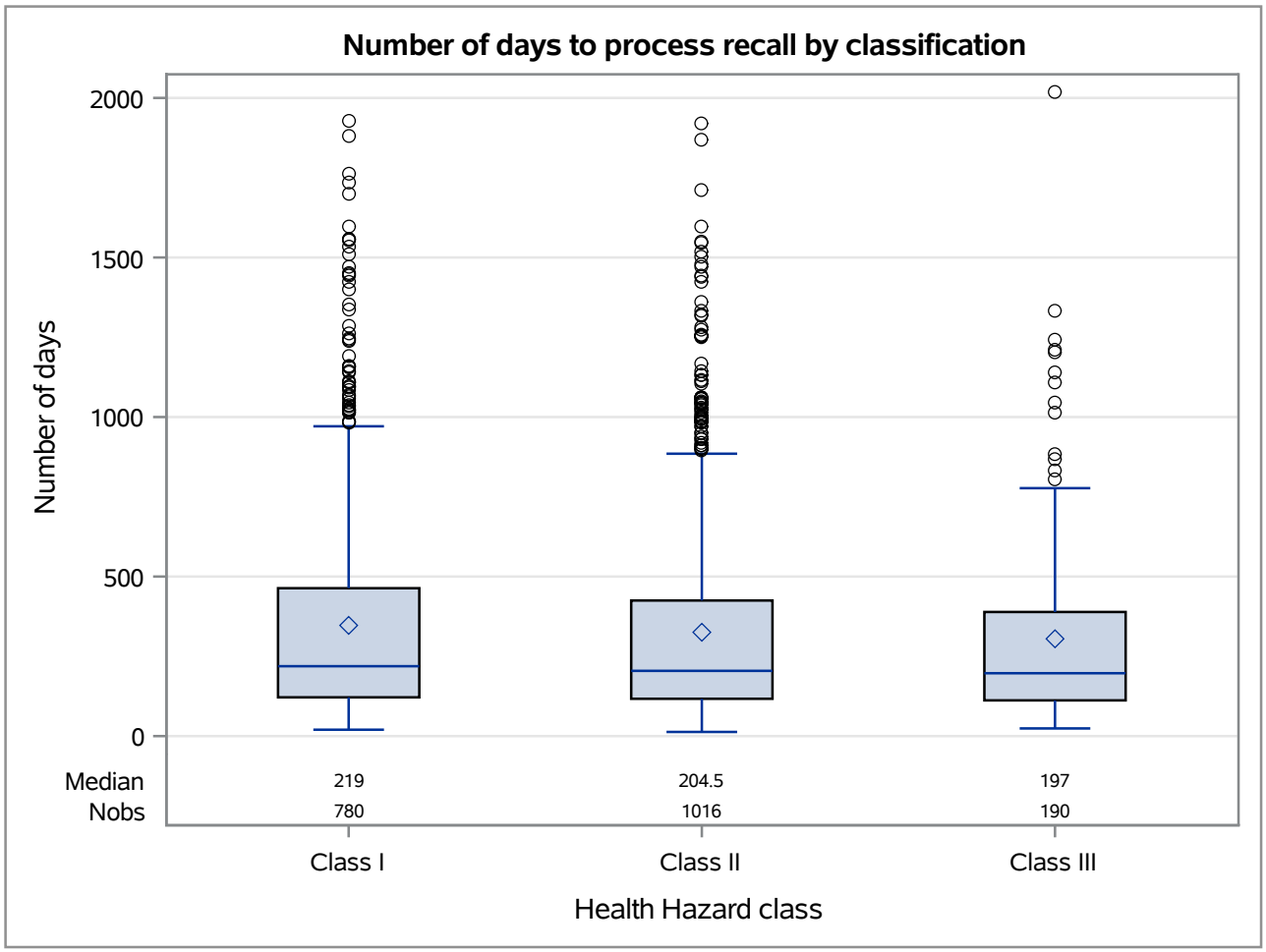
The year 2012 begins from June 1, 2012 so does not represent a full year.
The year 2024 includes up to present day April 30, 2024.

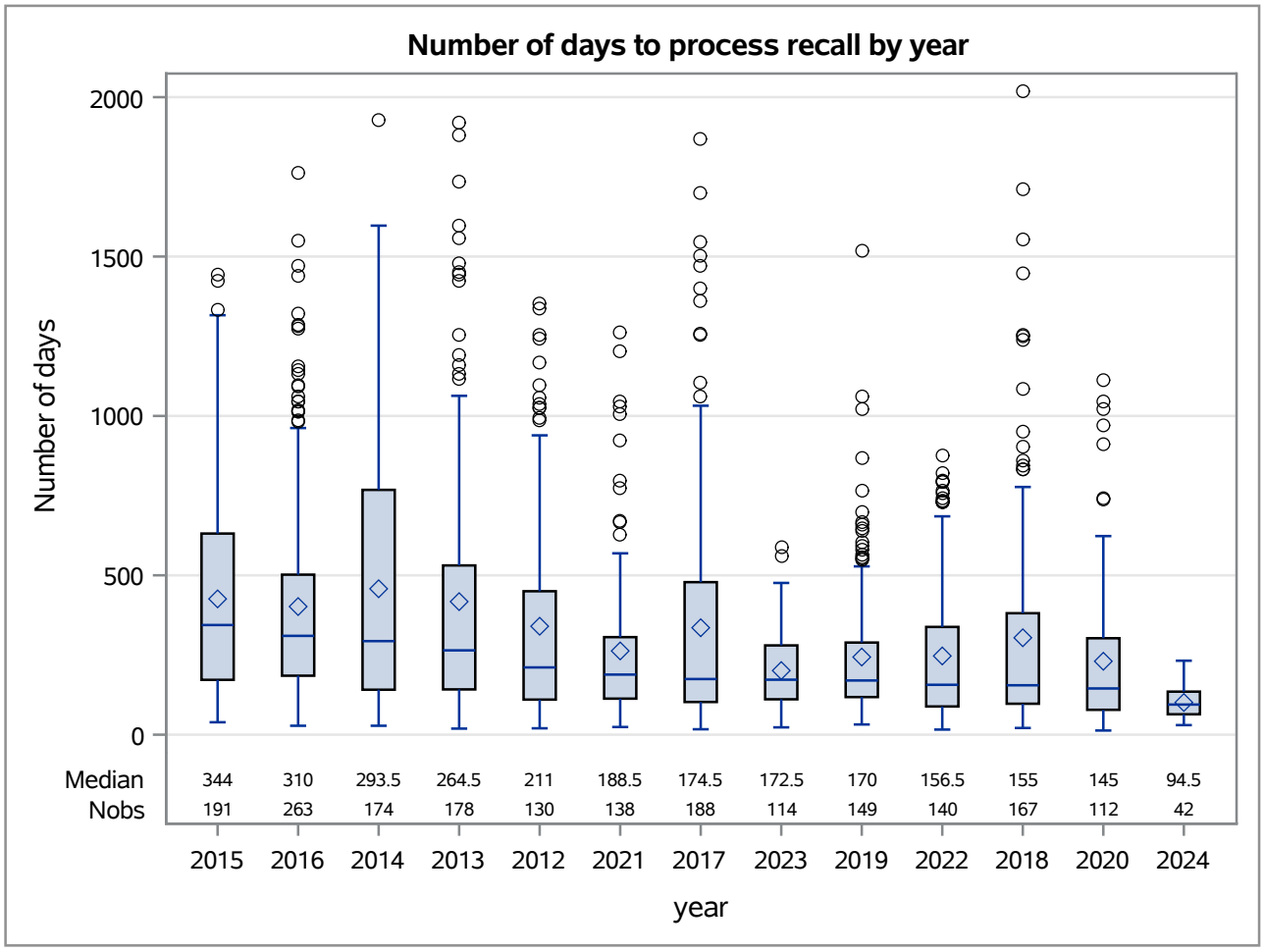

Number of days to process recall by status
2000
1500
1000
500
0
Number of days
Median
Nobs
272
1
231
7
205
1978
N/A
Fda Mandated
Voluntary: Firm Initiated
Voluntary status


Number of days to process recall by region
2000
1500
1000
500
0
Number of days
Median
Nobs
318
448
314
63
242
65
228
319
221
115
204
254
196
107
196
25
185
23
168.5
24
167
161
134
382
Northeast
Heartland
North Central
Great Lakes Midwest
Appalachia
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
230
779
200
161
194.5
694
193
191
180
102
Unprepared
Precaution
Other
Mislabelled
Microbe
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
225
217
359
215
13
210
786
201.5
350
199
27
191
221
FAX
Press Release
Letter
Visit
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
219
780
204.5
1016
197
190
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
188.5
138
174.5
188
172.5
114
170
149
156.5
140
155
167
145
112
94.5
42
2015
2016
2014
2013
2012
2021
2017
2023
2019
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**
1.3415	2	0.5113

Non-parametric test of days processed to completion by region

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
157.4360	11	<.0001

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

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
9.4593	5	0.0921

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

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
9.0543	7	0.2488

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

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
2.3298	2	0.3120

Non-parametric test of days processed to completion by year

The NPAR1WAY Procedure

Kruskal-Wallis Test		
Chi-Square	**DF**	**Pr > ChiSq**
191.6948	12	<.0001