



U.S. Department
of Transportation

**Federal Transit
Administration**

DOT-VNTSC-FTA-10-01

FTA-MA-26-5566-10-1

Drug and Alcohol Testing Results 2008 Annual Report

September 2010



The FTA Drug and Alcohol Management Information System

Office of Safety and Security

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REPORT DOCUMENTATION PAGE*Form Approved*
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE September 2010		3. REPORT TYPE AND DATES COVERED Final Report January 2007–December 2008	
4. TITLE AND SUBTITLE Drug and Alcohol Testing Results 2008 Annual Report				5. FUNDING NUMBERS HVP51/VT73A2	
6. AUTHOR(S) Mike Redington, Eve Rutyna, Nathan Grace*, and Felicity Shanahan*					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Department of Transportation Research and Innovative Technology Administration John A. Volpe National Transportation Systems Center 55 Broadway Cambridge, MA 02142-1093				8. PERFORMING ORGANIZATION REPORT NUMBER DOT-VNTSC-FTA-10-01	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Department of Transportation Federal Transit Administration Office of Safety and Security Washington, DC 20590				10. SPONSORING/MONITORING AGENCY REPORT NUMBER FTA-MA-26-5566-10-1	
11. SUPPLEMENTARY NOTES *MacroSys Research and Technology 55 Broadway Cambridge, MA 02142-1093					
12a. DISTRIBUTION/AVAILABILITY STATEMENT This document is available to the public through the National Technical Information Service, Springfield, VA 22161.				12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) This is the 14th annual report of the results of the Federal Transit Administration's (FTA) Drug and Alcohol Testing Program. This report summarizes the reporting requirements for calendar year 2008, the requirements of the overall drug and alcohol testing program (49 CFR Part 40 and 49 CFR Part 655), the results from the data reported for 2008, and the random drug and alcohol violation rates (the percentage of persons selected for a random test who produced a positive specimen or refused to take the test) for calendar years 1995 through 2008. This report provides a brief overview of the drug and alcohol testing requirements for both safety-sensitive employers and employees. The official random rates for 2008 are provided, as well as the official random rate trends over the last 14 years. The results of alcohol and drug tests are provided by test type, employee category, and region. The positive testing rates for drugs and alcohol are also provided for each test type, employee category, and region.					
14. SUBJECT TERMS Alcohol testing, drug testing, random testing, safety-sensitive, violation rate				15. NUMBER OF PAGES 76	
16. PRICE CODE					
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited		

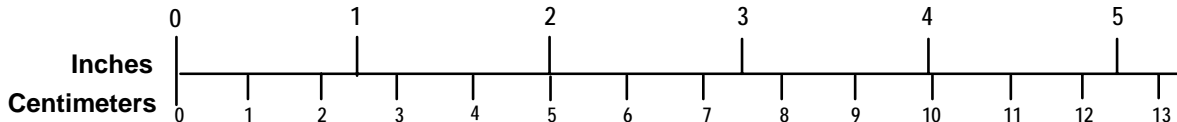
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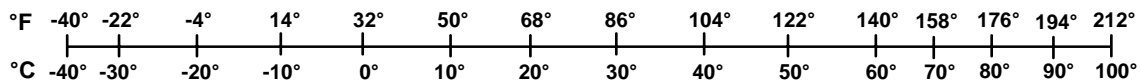
METRIC TO ENGLISH

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<p>TEMPERATURE (EXACT)</p> <p>$[(x-32)(5/9)]\text{ }^{\circ}\text{F} = y\text{ }^{\circ}\text{C}$</p>	<p>TEMPERATURE (EXACT)</p> <p>$[(9/5)y + 32]\text{ }^{\circ}\text{C} = x\text{ }^{\circ}\text{F}$</p>

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Updated 6/17/98

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1. Testing Requirements

1.1 Required Testing Program

Safety-sensitive employees must undergo testing for five illegal substances with the use of six different test types. Employees who perform safety-sensitive functions must also be tested for alcohol use in each of those test types, except for pre-employment testing. Employers are required to conduct four types of tests of employees who perform safety-sensitive functions and are permitted to conduct two other types of tests for drugs and alcohol (return-to-duty and follow-up).

Table 1 lists the employee categories, test types, and drug types that fall under the auspices of the FTA Drug and Alcohol Testing Program. For more detailed descriptions of each of these categories, refer to the glossary in Appendix C. You may also refer to FTA and DOT drug and alcohol regulations on the FTA Office of Safety and Security Web site at <http://transit-safety.fta.dot.gov/DrugAndAlcohol/Regulations/default.asp>. For additional guidance, another excellent source is the Office of Drug and Alcohol Policy and Compliance (ODAPC) Web site <http://www.dot.gov/ost/dapc/index.html>.

Table 1. Safety-Sensitive Employee Categories, Test Types, and Drug Types

Safety-Sensitive Employee Categories
• Revenue Vehicle Operation
• Revenue Vehicle and Equipment Maintenance
• Revenue Vehicle Control/Dispatch
• CDL/Non-Revenue Vehicle
• Armed Security Personnel
• Ferry Boat Operator
Test Types
• Pre-employment
• Random
• Post-Accident
• Reasonable Suspicion
• Return-to-Duty
• Follow-up
Drug Types
• Marijuana
• Cocaine
• Phencyclidine (PCP)
• Opiates
• Amphetamines

1.2 Regions Required to Test

The FTA comprises 10 regions, which are identified in Figure 1. The data provided by these regions have facilitated the comparison of drug and alcohol test results and the identification of regional trends. Table 2 lists the states and territories in each FTA region.

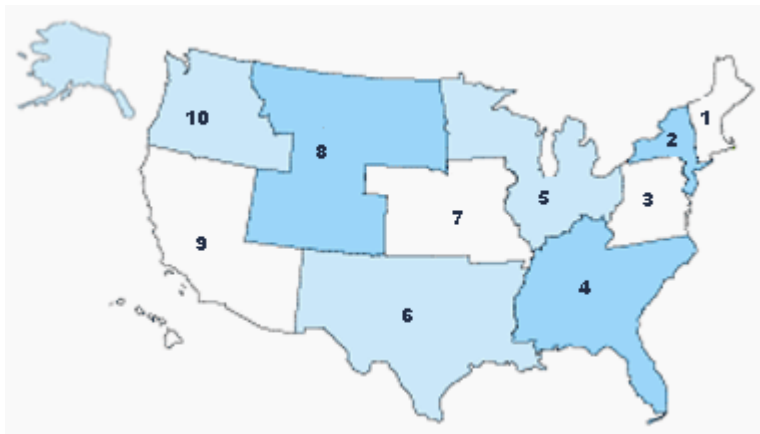


Figure 1. The Ten FTA Regions Required to Test for Drugs and Alcohol

Table 2. States and Territories by Region

Region	States
1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
2	New Jersey, New York, U.S. Virgin Islands
3	Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia
4	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico
5	Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
6	Arkansas, Louisiana, New Mexico, Oklahoma, Texas
7	Iowa, Kansas, Missouri, Nebraska
8	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
9	American Samoa, Arizona, California, Guam, Hawaii, Nevada, Northern Mariana Islands
10	Alaska, Idaho, Oregon, Washington

1.3 Covered Employees and Employers

A covered employee is any person, including an applicant, transferee, or volunteer, who performs or will perform a safety-sensitive function for an entity subject to Title 49 Code of Federal Regulations (CFR) Part 655. A covered employer is a recipient or other entity that provides a mass transportation service or performs a safety-sensitive function for such recipient or other entity. This includes Section 5311 State Nonurban subrecipients, Section 5307 Urbanized Area Formula grantees, Section 5309 Major Capital Investment recipients, and contractors. Table 3 provides a list of the number of covered employees and employers in each FTA region for 2008. Table 4 provides the number of covered employees by employee category for 2008.

Table 3. Number of Covered Employees and Employers by Region (2008)

Region	Number of Covered Employees	Number of Covered Employers
1	13,386	205
2	54,780	192
3	32,582	189
4	33,407	572
5	41,707	698
6	18,681	218
7	9,936	327
8	9,298	204
9	47,750	394
10	16,013	217
Total	277,540	3,216

Table 4. Covered Employees by Employee Category (2008)

Employee Category	Number of Covered Employees
Revenue Vehicle Operation	192,318
Revenue Vehicle & Equipment Maintenance	52,882
Revenue Vehicle Control/Dispatch	20,150
CDL/Non-Revenue Vehicle	4,989
Armed Security Personnel	5,585
Ferry Boat Operator	1,897

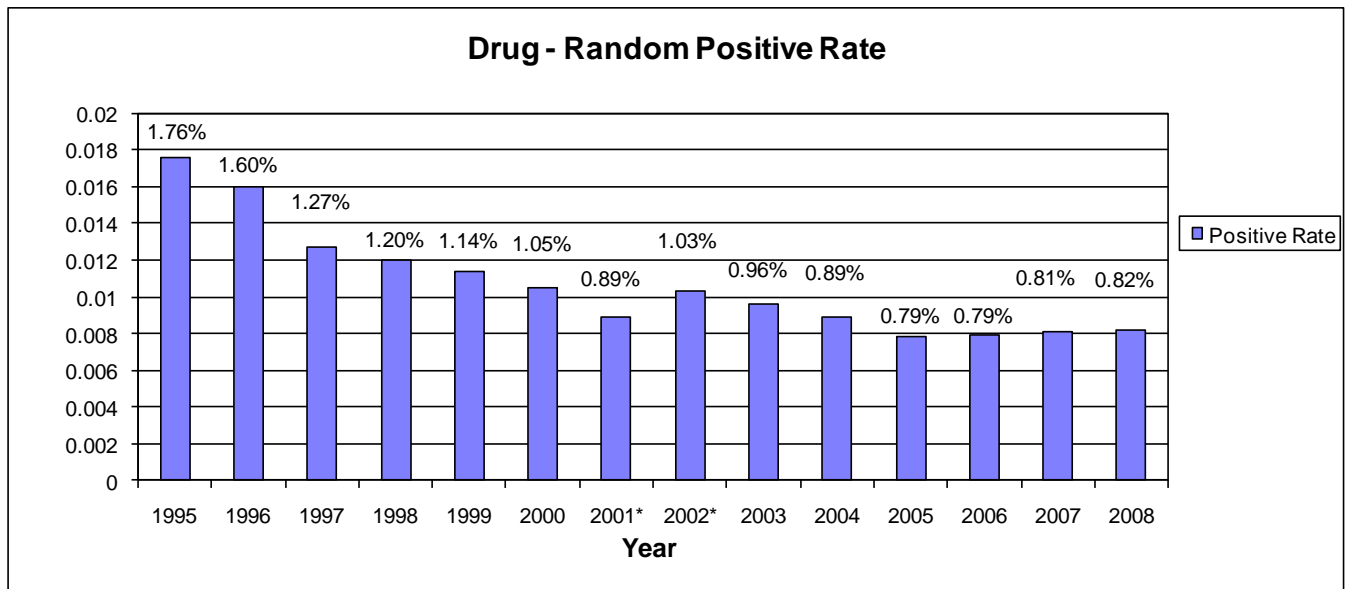
2. Random Drug and Alcohol Rates

2.1 Official Random Rates for 2008

The random testing rate for drugs in 2008 was equal to at least 25 percent of the total number of safety-sensitive employees. For random alcohol tests in 2008, the testing rate was equal to 10 percent of the total number of safety-sensitive employees. The random positive rate for drugs for the years 1995 to 2008 is shown in Figure 2. The positive rate (drugs) increased slightly to 0.82 percent in 2008 from 0.81 percent recorded for calendar year 2007. Figure 3 shows the random violation rate for alcohol for the years 1995 to 2008. The violation rate (alcohol) remained static at 0.15 percent when compared with the recorded rate for calendar year 2007.

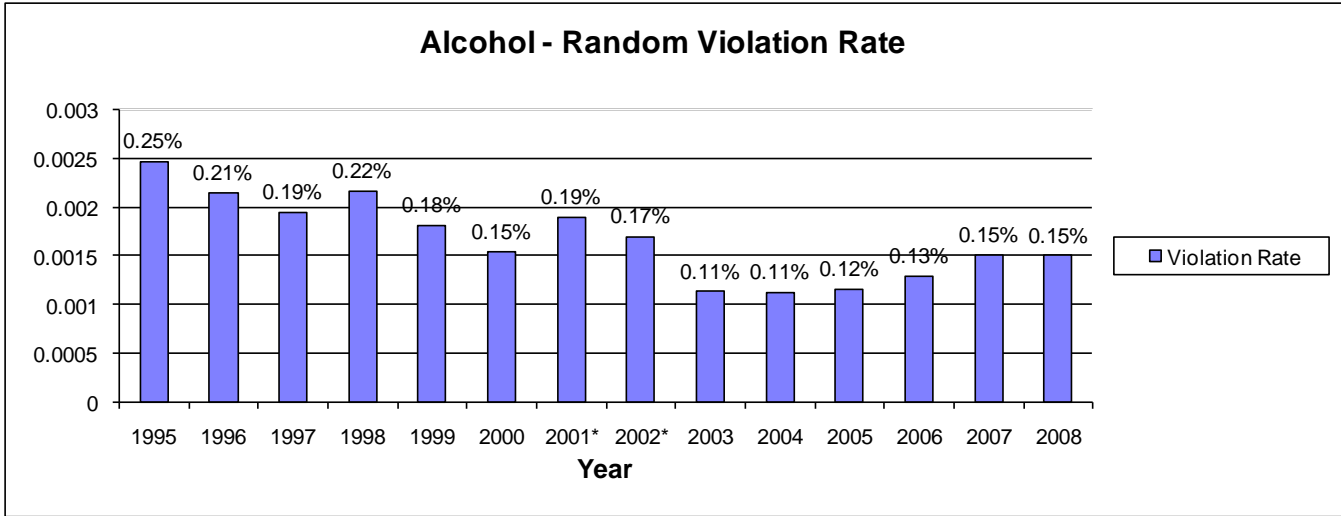
2.2 Calculating Positive Rates and Violation Rates

The positive rate for drugs is calculated by taking the total number of verified positive tests, adding the total number of adulterated samples plus the total number of substituted specimens, shy bladder instances (those without medical explanation), and other refusals, and dividing by the total number of drug test results. The violation rate for alcohol is calculated by taking the total number of confirmatory test results greater than or equal to a breath alcohol level of 0.04, adding the total number of shy lung instances (those without medical explanation) plus the total number of other refusals, and dividing by the total number of screens conducted.



*Denotes a stratified sample year.

Figure 2. Positive Rate for Random Drug Tests (1995–2008)



*Denotes a stratified sample year.

Figure 3. Violation Rate for Random Alcohol Tests (1995–2008)

2.3 Positive Rates and Violation Rates for 2008

Figure 4 illustrates the random drug positive rates for the year 2008 for each region. Figure 5 illustrates the violation rate for random alcohol testing for the year 2008 for each region. Figure 6 provides the positive rate for random drug testing for contractors and transit systems for the year 2008. Figure 7 provides the violation rate for random alcohol tests for contractors and transit systems for the year 2008.

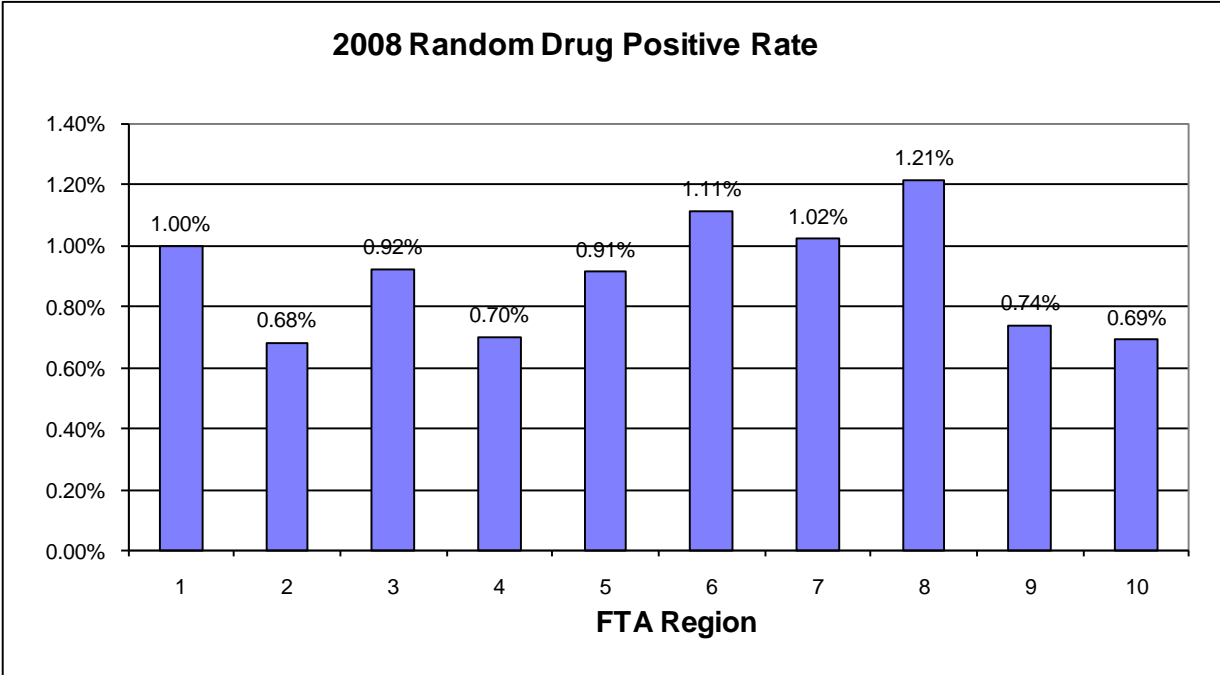


Figure 4. Random Drug Positive Rates by FTA Region (2008)

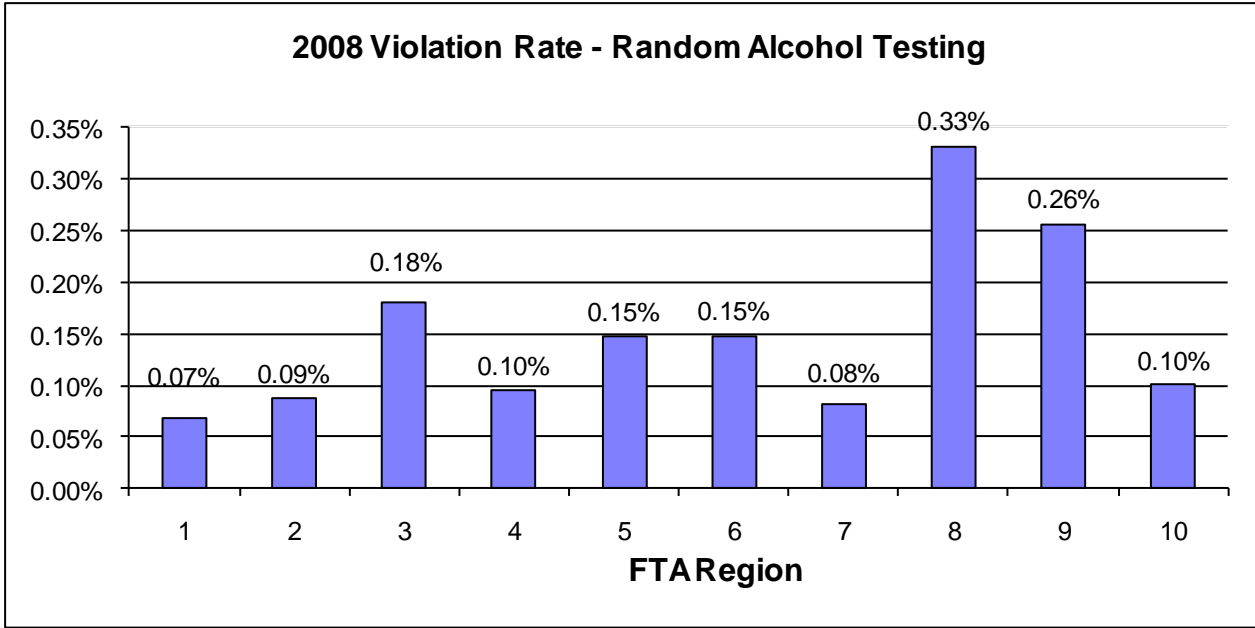


Figure 5. Violation Rate for Random Alcohol Testing by FTA Region (2008)

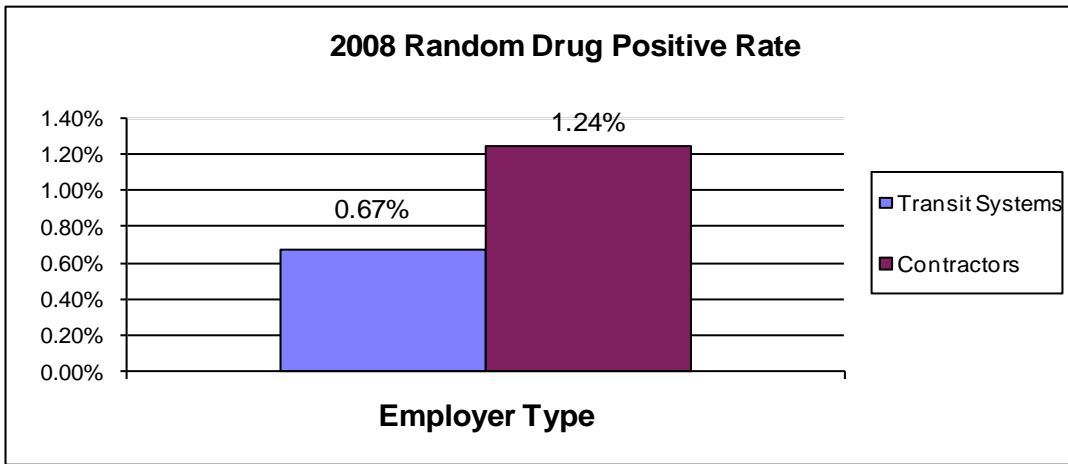


Figure 6. Random Drug Positive Rate for Contractors and Transit Systems (2008)

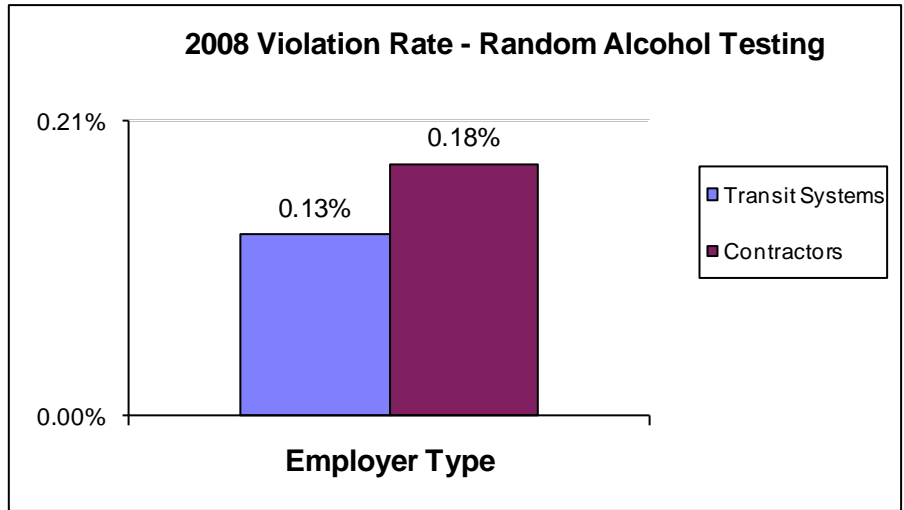


Figure 7. Violation Rate for Random Alcohol Testing for Contractors and Transit Systems (2008)

3. Drug Test Results

3.1 Drug Test Results by Test Type

This section provides drug test results by test type conducted and for each employee category.

3.1.1 Pre-employment Drug Test Results

Table 5 provides results of pre-employment drug tests for all employee categories. Figure 8 illustrates the positive rate by employee category for all pre-employment drug tests.

Table 5. Pre-employment Drug Test Results by Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	75,571	73,871	1578	1,184	305	46	22	50	9	5	7	101	157
Revenue Vehicle & Equipment Maintenance	8,158	8,000	154	115	32	3	2	12	0	0	1	3	13
Revenue Vehicle Control/Dispatch	3,034	2,985	44	38	5	0	0	2	0	1	1	3	9
CDL/Non-Revenue Vehicle	833	823	9	7	2	0	1	0	0	0	0	1	1
Armed Security Personnel	1,551	1547	4	4	0	0	0	0	0	0	0	0	0
TOTAL	89,147	87,226	1,789	1,348	344	49	25	64	9	6	9	108	180

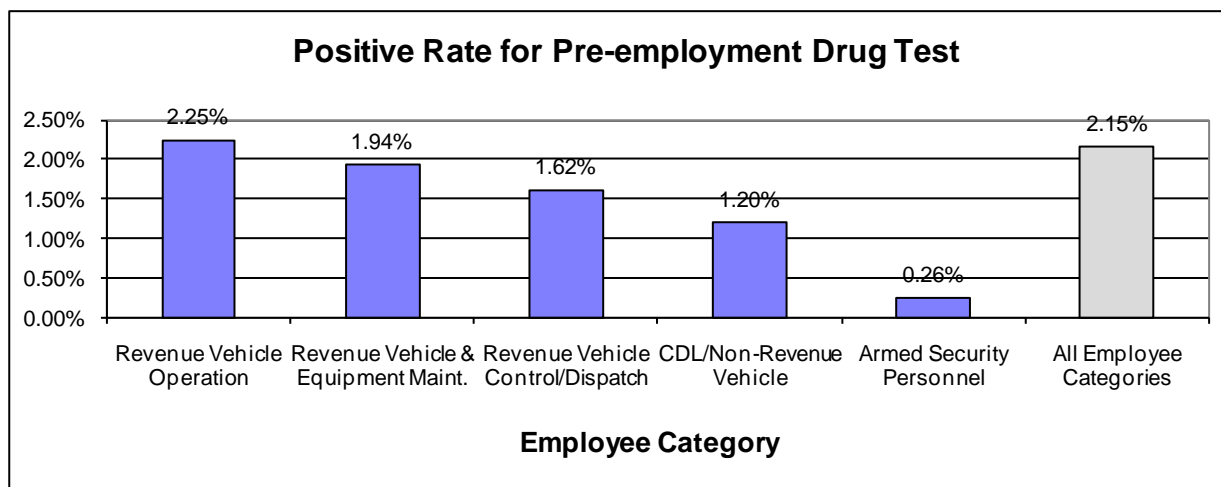


Figure 8. Positive rate for Pre-employment Drug Tests by Employee Category (2008)

3.1.2 Random Drug Test Results

Table 6 provides results of random drug tests for all employee categories. Figure 9 illustrates the positive rate by employee category for all random drug tests.

Table 6. Random Drug Test Results by Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	67,435	66,858	506	314	170	1	9	21	4	2	17	48	155
Revenue Vehicle & Equipment Maintenance	18,240	18,086	140	90	41	3	4	9	0	2	2	10	26
Revenue Vehicle Control/Dispatch	6,904	6,853	48	34	12	0	3	1	1	0	0	2	15
CDL/Non-Revenue Vehicle	1,995	1,977	17	6	11	0	0	0	0	0	1	0	6
Armed Security Personnel	1,703	1,699	4	4	0	0	0	0	0	0	0	0	2
TOTAL	96,277	95,473	715	448	234	4	16	31	5	4	20	60	204

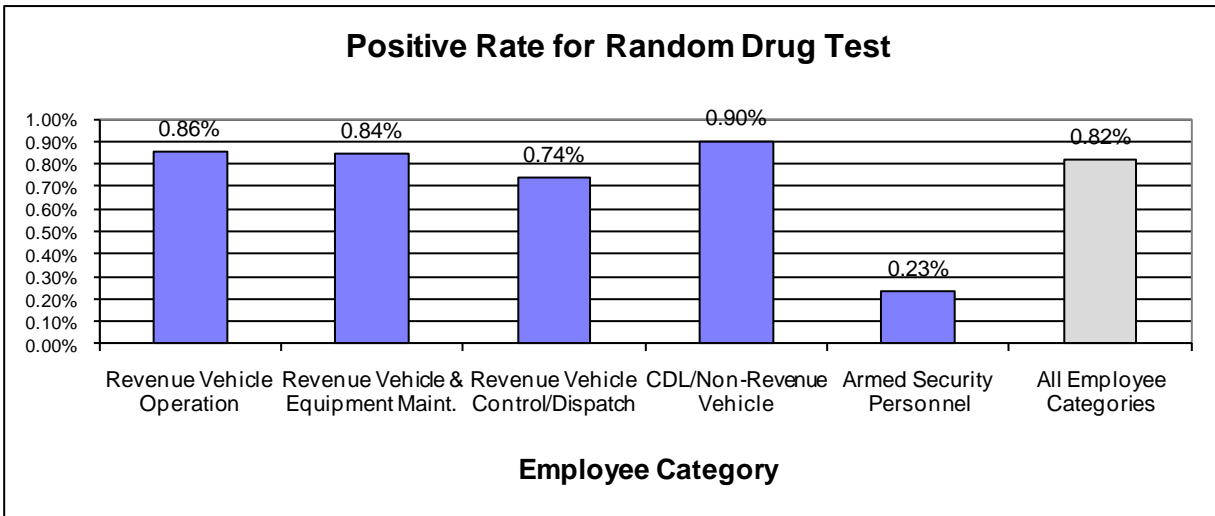


Figure 9. Positive Rate for Random Drug Tests by Employee Category

3.1.3 Post-Accident Drug Test Results

Table 7 provides results of post-accident drug tests for all employee categories. Figure 10 illustrates the positive rate by employee category for all post-accident drug tests.

Table 7. Post-Accident Drug Test Results by Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	13,630	13,463	155	77	63	1	7	12	0	0	1	11	37
Revenue Vehicle & Equipment Maintenance	578	566	12	10	1	0	2	0	0	0	0	0	0
Revenue Vehicle Control/Dispatch	102	102	0	0	0	0	0	0	0	0	0	0	1
CDL/Non-Revenue Vehicle	76	75	1	0	0	0	1	0	0	0	0	0	0
Armed Security Personnel	84	84	0	0	0	0	0	0	0	0	0	0	1
TOTAL	14,470	14,290	168	87	64	1	10	12	0	0	1	11	39

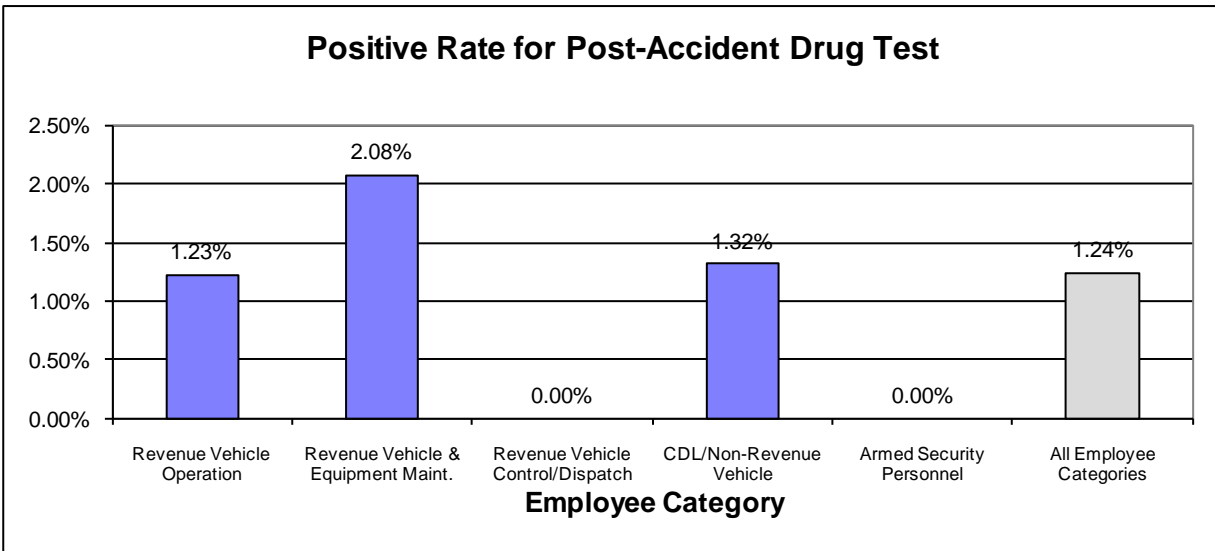


Figure 10. Positive Rate for Post-Accident Drug Tests by Employee Category

3.1.4 Reasonable Suspicion Drug Test Results

Table 8 provides results of reasonable suspicion drug tests for all employee categories. Figure 11 illustrates the positive rate by employee category for all reasonable suspicion drug tests.

Table 8. Reasonable Suspicion Drug Test Results by Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	443	395	37	15	18	0	3	4	1	0	1	9	2
Revenue Vehicle & Equipment Maintenance	86	77	6	4	1	0	1	0	0	0	1	2	0
Revenue Vehicle Control/Dispatch	25	21	2	0	1	1	0	0	0	0	0	2	4
CDL/Non-Revenue Vehicle	5	5	0	0	0	0	0	0	0	0	0	0	0
Armed Security Personnel	2	2	0	0	0	0	0	0	0	0	0	0	0
TOTAL	561	500	45	19	20	1	4	4	1	0	2	13	6

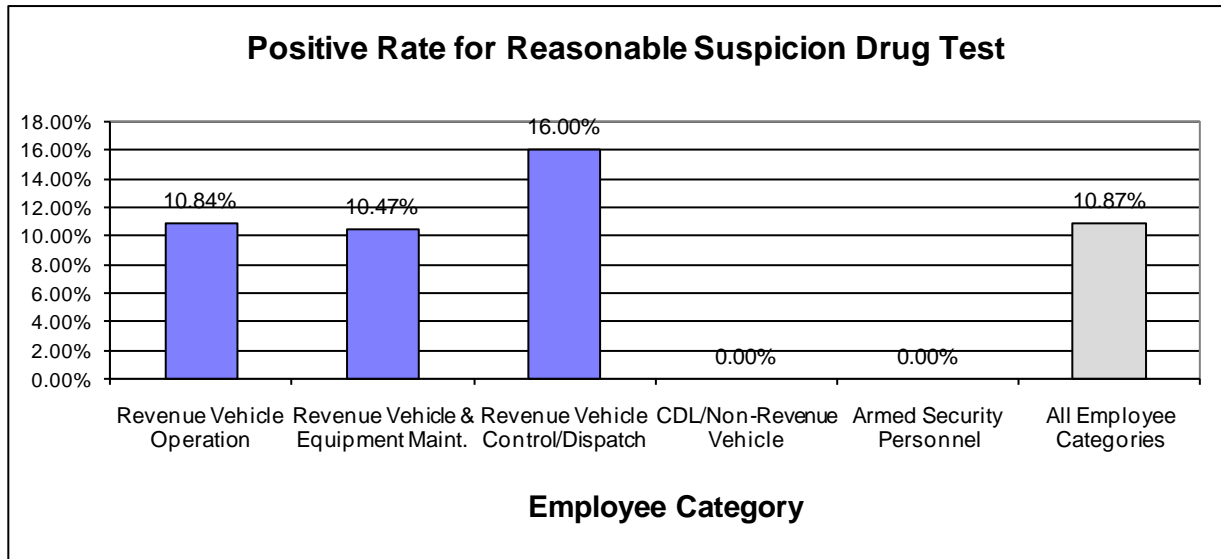


Figure 11. Positive Rate for Reasonable Suspicion Drug Tests by Employee Category

3.1.5 Return-to-Duty Drug Test Results

Table 9 provides results of return-to-duty drug tests for all employee categories. Figure 12 illustrates the positive rate by employee category for all return-to-duty drug tests.

Table 9. Return-to-Duty Drug Test Results for All Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	544	532	10	8	1	0	0	1	0	0	0	2	3
Revenue Vehicle & Equipment Maintenance	139	137	2	2	0	0	0	0	0	0	0	0	0
Revenue Vehicle Control/Dispatch	51	51	0	0	0	0	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	21	21	0	0	0	0	0	0	0	0	0	0	0
Armed Security Personnel	5	5	0	0	0	0	0	0	0	0	0	0	0
TOTAL	760	746	12	10	1	0	0	1	0	0	0	2	3

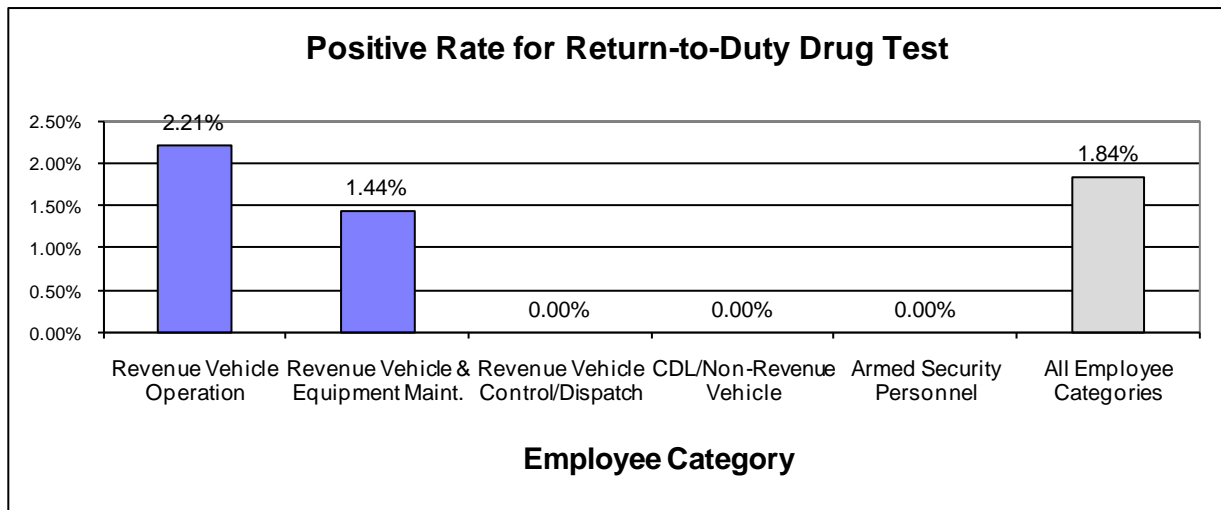


Figure 12. Positive Rate for Return-to-Duty Drug Tests by Employee Category

3.1.6 Follow-up Drug Test Results

Table 10 provides results of follow-up drug tests for all employee categories. Figure 13 illustrates the positive rate by employee category for all follow-up drug tests.

Table 10. Follow-up Drug Test Results for All Employee Categories

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	3,942	3,889	46	19	21	0	1	5	0	0	3	4	5
Revenue Vehicle & Equipment Maintenance	1,786	1,762	23	9	14	0	1	0	0	0	1	0	0
Revenue Vehicle Control/Dispatch	249	247	2	1	1	0	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	117	113	4	0	4	0	0	0	0	0	0	0	1
Armed Security Personnel	33	33	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6,127	6,044	75	29	40	0	2	5	0	0	4	4	6

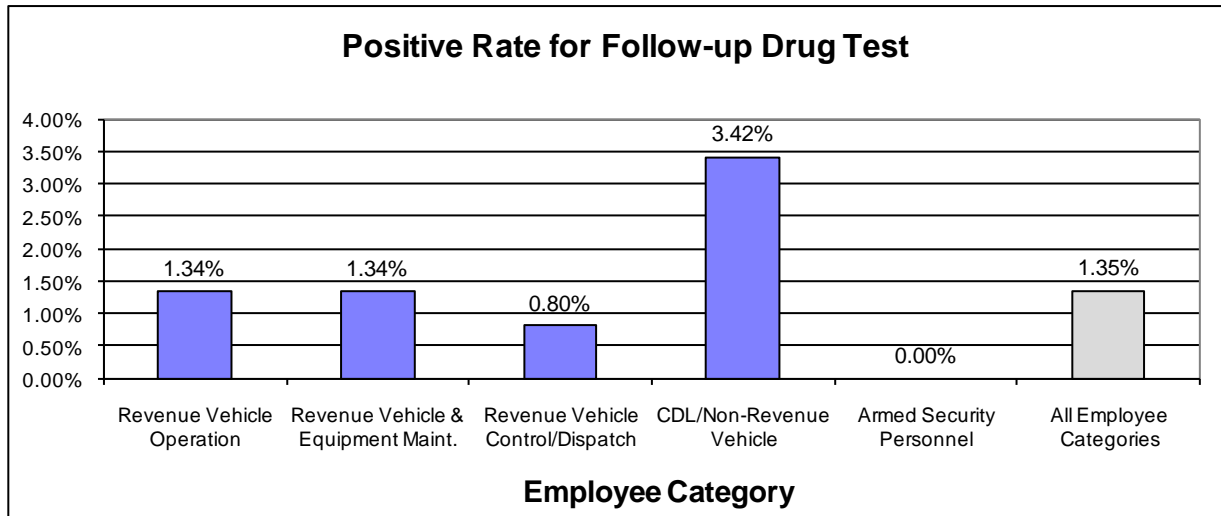


Figure 13. Positive Rate for Follow-up Drug Tests by Employee Category

3.1.7 Drug Test Results by Test Type for All Employee Categories

Table 11 provides drug test results by test type for all employee categories. Figure 14 illustrates the positive rate for all employee categories by test type.

Table 11. Drug Test Results by Test Type for All Employee Categories

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	89,147	87,226	1,789	1,348	344	49	25	64	9	6	9	108	180
Random	96,277	95,473	715	448	234	4	16	31	5	4	20	60	204
Post-Accident	14,470	14,290	168	87	64	1	10	12	0	0	1	11	39
Reasonable Suspicion	561	500	45	19	20	1	4	4	1	0	2	13	6
Return-to-Duty	760	746	12	10	1	0	0	1	0	0	0	2	3
Follow-up	6,127	6,044	75	29	40	0	2	5	0	0	4	4	6
TOTAL	207,342	204,279	2,804	1,941	703	55	57	117	15	10	36	198	438

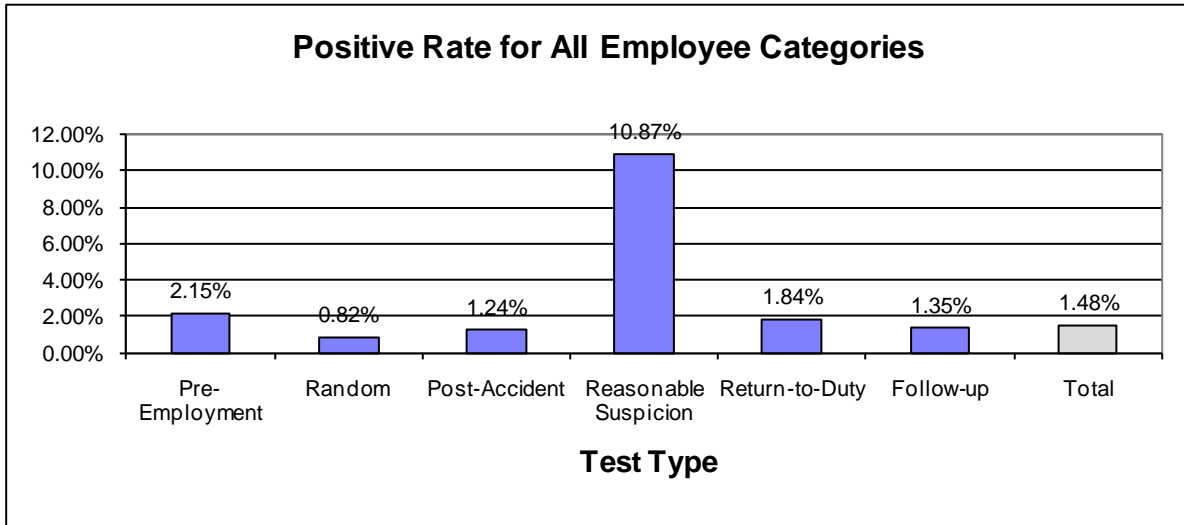


Figure 14. Positive Rate for All Employee Categories by Test Type

3.2 Drug Test Results by Employee Category

3.2.1 Revenue Vehicle Operation

Table 12 provides drug test results for the revenue vehicle operation employee category. Figure 15 illustrates the positive rate for each test type under the revenue vehicle operation employee category.

Table 12. Drug Test Results for Revenue Vehicle Operation

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	75,571	73,871	1578	1,184	305	46	22	50	9	5	7	101	157
Random	67,435	66,858	506	314	170	1	9	21	4	2	17	48	155
Post-Accident	13,630	13,463	155	77	63	1	7	12	0	0	1	11	37
Reasonable Suspicion	443	395	37	15	18	0	3	4	1	0	1	9	2
Return-to-Duty	544	532	10	8	1	0	0	1	0	0	0	2	3
Follow-up	3,942	3,889	46	19	21	0	1	5	0	0	3	4	5
TOTAL	161,565	159,008	2,332	1,617	578	48	42	93	14	7	29	175	359

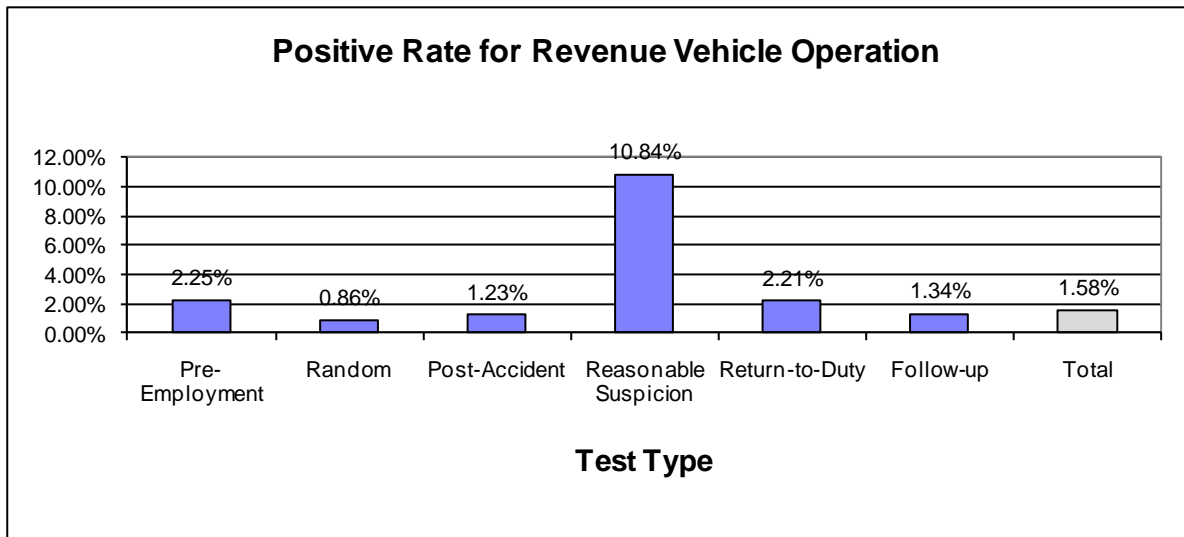


Figure 15. Positive Rate for Revenue Vehicle Operation by Test Type

3.2.2 Revenue Vehicle and Equipment Maintenance

Table 13 provides drug test results for the revenue vehicle and equipment maintenance employee category by test type. Figure 16 illustrates the positive rate for the revenue vehicle and equipment maintenance employee category by test type.

Table 13. Drug Test Results for Revenue Vehicle and Equipment Maintenance

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	8,158	8,000	154	115	32	3	2	12	0	0	1	3	13
Random	18,240	18,086	140	90	41	3	4	9	0	2	2	10	26
Post-Accident	578	566	12	10	1	0	2	0	0	0	0	0	0
Reasonable Suspicion	86	77	6	4	1	0	1	0	0	0	1	2	0
Return-to-Duty	139	137	2	2	0	0	0	0	0	0	0	0	0
Follow-up	1,786	17,62	23	9	14	0	1	0	0	0	1	0	0
TOTAL	28,987	28,628	337	230	89	6	10	21	0	2	5	15	39

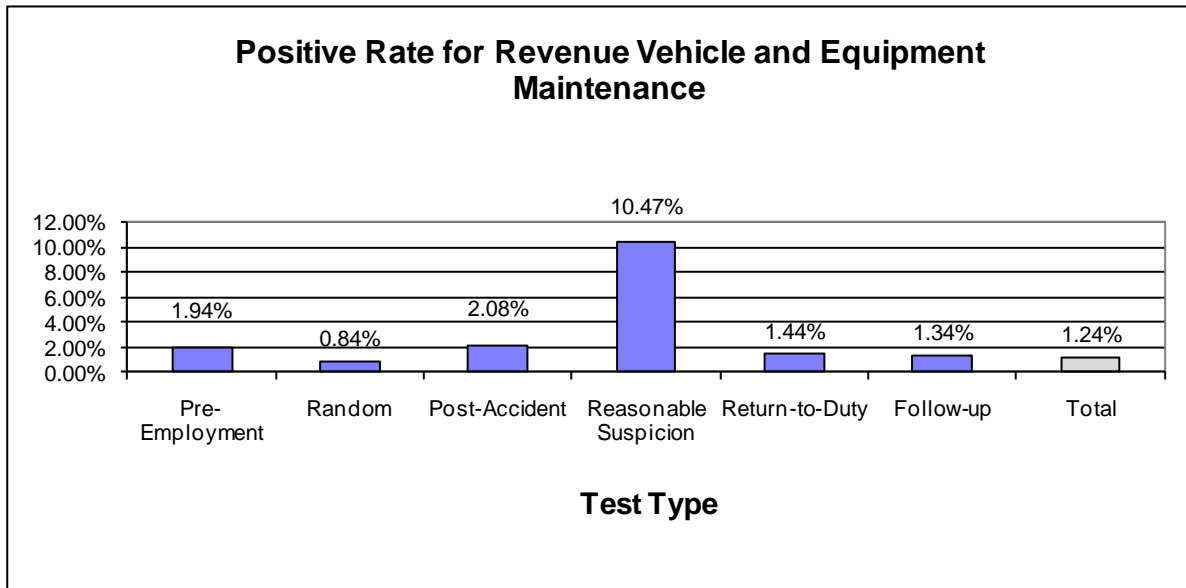


Figure 16. Positive Rate for Revenue Vehicle and Equipment Maintenance by Test Type

3.2.3 Revenue Vehicle Control/Dispatch

Table 14 provides drug test results for the revenue vehicle control/dispatch employee category by test type. Figure 17 illustrates the positive rate for the revenue vehicle control/dispatch employee category by test type.

Table 14. Drug Test Results for Revenue Vehicle Control/Dispatch

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	3,034	2,985	44	38	5	0	0	2	0	1	1	3	9
Random	6,904	6,853	48	34	12	0	3	1	1	0	0	2	15
Post-Accident	102	102	0	0	0	0	0	0	0	0	0	0	1
Reasonable Suspicion	25	21	2	0	1	1	0	0	0	0	0	2	4
Return-to-Duty	51	51	0	0	0	0	0	0	0	0	0	0	0
Follow-up	249	247	2	1	1	0	0	0	0	0	0	0	0
TOTAL	10,365	10,259	96	73	19	1	3	3	1	1	1	7	29

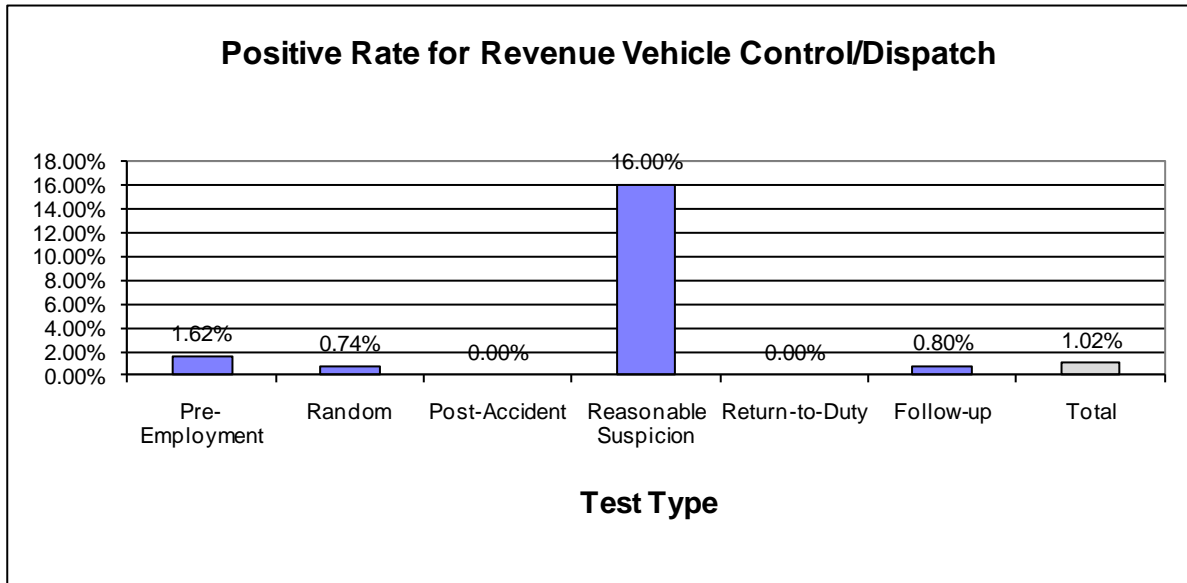


Figure 17. Positive Rate for Revenue Vehicle Control/Dispatch by Test Type

3.2.4 CDL/Non-Revenue Vehicle

Table 15 provides drug test results for the commercial driver’s license (CDL)/non-revenue vehicle employee category by test type. Figure 18 illustrates the positive rate for the CDL/non-revenue vehicle employee category by test type.

Table 15. Drug Test Results for CDL/Non-Revenue Vehicle

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	“Shy Bladder” with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	833	823	9	7	2	0	1	0	0	0	0	1	1
Random	1,995	1,977	17	6	11	0	0	0	0	0	1	0	6
Post-Accident	76	75	1	0	0	0	1	0	0	0	0	0	0
Reasonable Suspicion	5	5	0	0	0	0	0	0	0	0	0	0	0
Return-to-Duty	21	21	0	0	0	0	0	0	0	0	0	0	0
Follow-up	117	113	4	0	4	0	0	0	0	0	0	0	1
TOTAL	3,047	3,014	31	13	17	0	2	0	0	0	1	1	8

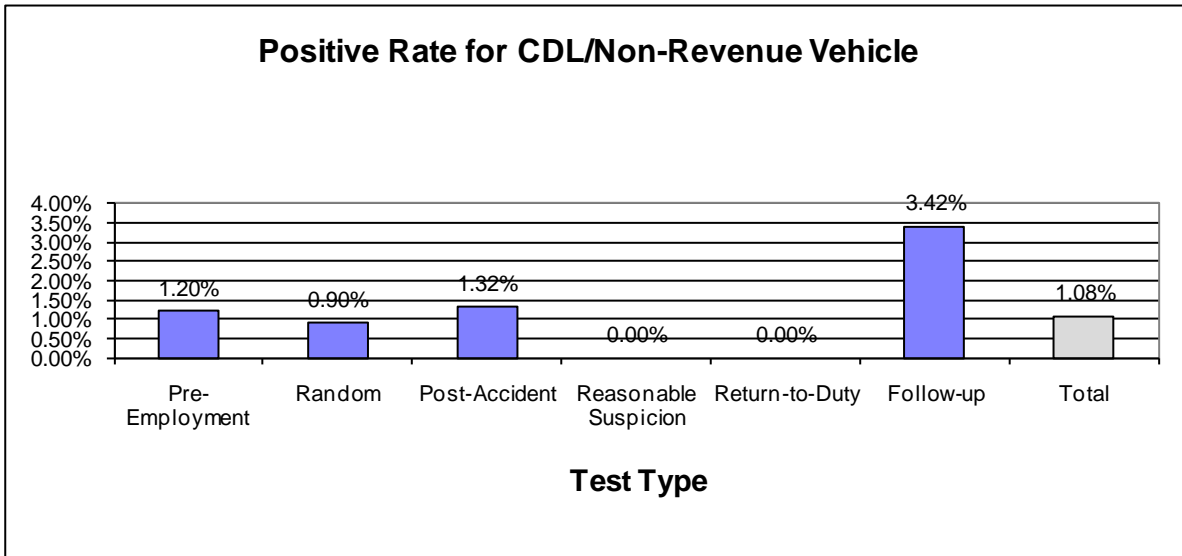


Figure 18. Positive Rate for CDL/Non-Revenue Vehicle by Test Type

3.2.5 Armed Security Personnel

Table 16 provides drug test results for the armed security personnel employee category by test type. Figure 19 illustrates the positive rate for the armed security personnel employee category by test type.

Table 16. Drug Test Results for Armed Security Personnel

Test Type	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	1,551	1,547	4	4	0	0	0	0	0	0	0	0	0
Random	1,703	1,699	4	4	0	0	0	0	0	0	0	0	2
Post-Accident	84	84	0	0	0	0	0	0	0	0	0	0	1
Reasonable Suspicion	2	2	0	0	0	0	0	0	0	0	0	0	0
Return-to-Duty	5	5	0	0	0	0	0	0	0	0	0	0	0
Follow-up	33	33	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3,378	3,370	8	8	0	0	0	0	0	0	0	0	3

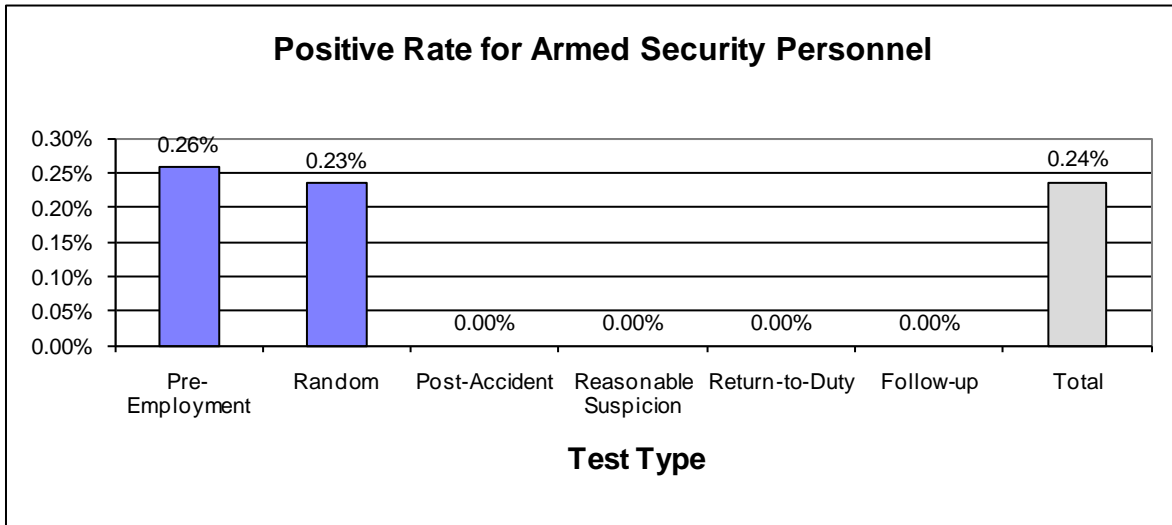


Figure 19. Positive Rate for Armed Security Personnel by Test Type

3.2.6 Drug Test Results for All Employee Categories

Table 17 provides drug test results for all test types by employee category. Figure 20 illustrates the positive rate for all test types by employee category. Figure 21 illustrates the positive rate for drug type by type of test.

Table 17. Drug Test Results for All Test Types by Employee Category

Employee Category	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Revenue Vehicle Operation	161,565	159,008	2,332	1,617	578	48	42	93	14	7	29	175	359
Revenue Vehicle & Equipment Maintenance	28,987	28,628	337	230	89	6	10	21	0	2	5	15	39
Revenue Vehicle Control/Dispatch	10,365	10,259	96	73	19	1	3	3	1	1	1	7	29
CDL/Non-Revenue Vehicle	3,047	3,014	31	13	17	0	2	0	0	0	1	1	8
Armed Security Personnel	3,378	3,370	8	8	0	0	0	0	0	0	0	0	3
TOTAL	207,342	204,279	2,804	1,941	703	55	57	117	15	10	36	198	438

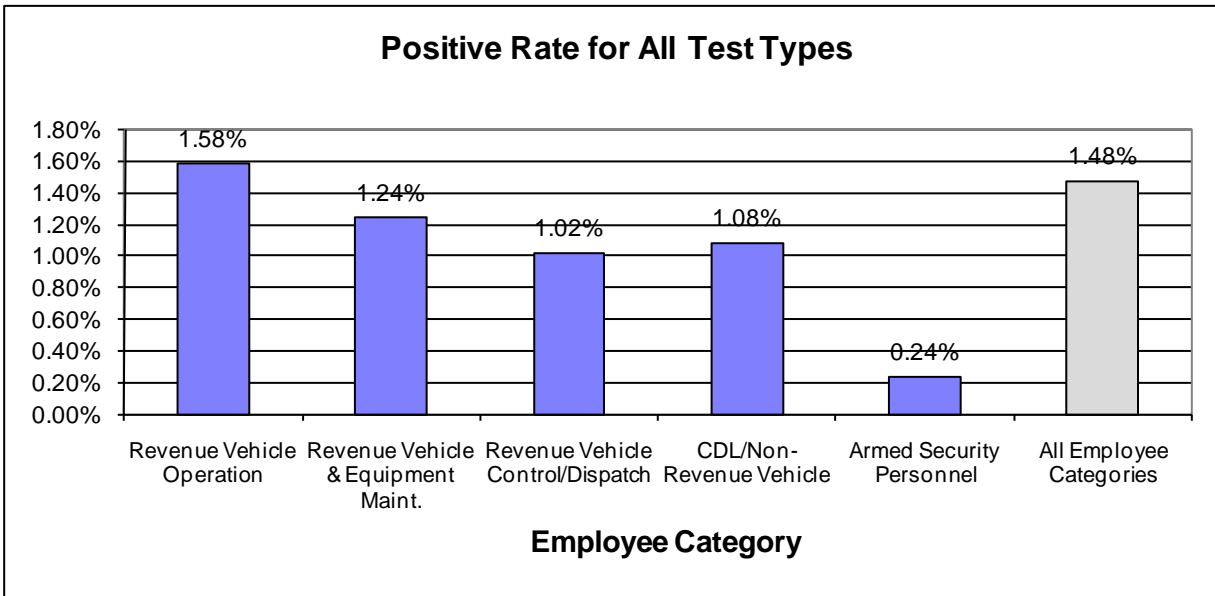


Figure 20. Positive Rate for All Test Types by Employee Category

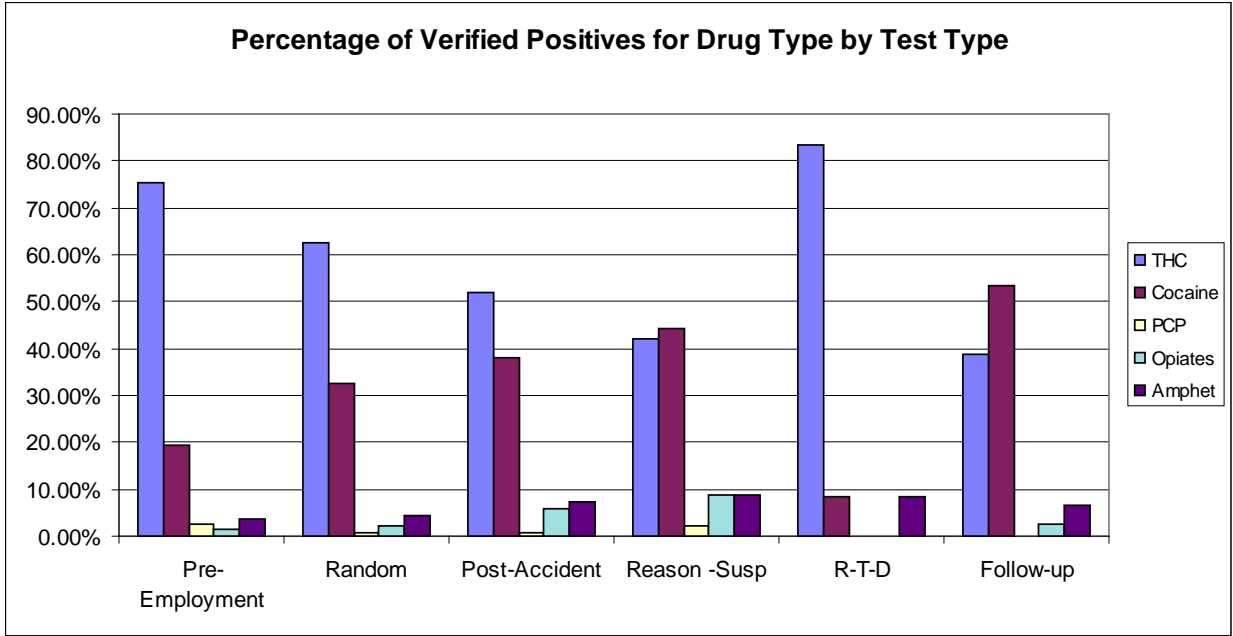


Figure 21. Percentage of Verified Positives for Drug Type by Type of Test

4. Drug Test Results by Region

Tables 18 through 27 provide drug test results by test type and drugs detected for FTA Regions 1 through 10. Figure 22 illustrates the random drug positive rate for each region in 2008.

Table 18. Drug Test Results by Test Type for FTA Region 1


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	“Shy Bladder” with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	3,458	3,380	74	55	20	2	3	2	0	1	0	3	6
Random	3,907	3,868	37	16	19	0	0	2	0	0	0	2	9
Post-Accident	487	484	3	2	1	0	0	0	0	0	0	0	0
Reasonable Suspicion	26	18	6	1	3	0	2	0	0	0	0	2	0
Return-to-Duty	23	23	0	0	0	0	0	0	0	0	0	0	0
Follow-up	321	316	4	1	2	0	1	0	0	0	1	0	0
Total	8,222	8,089	124	75	45	2	6	4	0	1	1	7	15

Table 19. Drug Test Results by Test Type for FTA Region 2


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	“Shy Bladder” with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	13,645	13,400	236	175	57	4	3	0	3	3	0	3	14
Random	16,814	16,699	107	56	48	0	4	1	1	0	0	7	31
Post-Accident	2,304	2,276	27	13	14	0	2	0	0	0	0	1	2
Reasonable Suspicion	62	56	6	3	2	0	1	0	0	0	0	0	1
Return-to-Duty	94	94	0	0	0	0	0	0	0	0	0	0	0
Follow-up	1,483	1,473	10	5	6	0	0	0	0	0	0	0	0
Total	34,402	33,998	386	252	127	4	10	1	4	3	0	11	48

Table 20. Drug Test Results by Test Type for FTA Region 3


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	13,589	13,128	419	312	76	33	7	1	0	0	0	42	32
Random	13,417	13,293	115	77	36	3	2	2	0	1	2	6	28
Post-Accident	1,805	1,776	28	13	13	1	2	0	0	0	0	1	4
Reasonable Suspicion	111	103	6	3	2	1	0	0	0	0	0	2	1
Return-to-Duty	161	159	1	1	0	0	0	0	0	0	0	1	0
Follow-up	1,061	1,047	14	5	9	0	0	0	0	0	0	0	0
Total	30,144	29,506	583	411	136	38	11	3	0	1	2	52	65

Table 21. Drug Test Results by Test Type for FTA Region 4


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	9,442	9,272	160	115	47	1	0	0	3	0	0	7	21
Random	13,239	13,146	83	51	30	0	1	1	2	0	1	7	20
Post-Accident	2,255	2,234	20	13	5	0	2	1	0	0	0	1	1
Reasonable Suspicion	75	62	10	4	6	0	0	0	0	0	0	3	0
Return-to-Duty	130	128	2	1	1	0	0	0	0	0	0	0	1
Follow-up	303	301	2	1	1	0	0	0	0	0	0	0	0
Total	25,444	25,143	277	185	90	1	3	2	5	0	1	18	43

Table 22. Drug Test Results by Test Type for FTA Region 5


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	12,912	12,667	228	177	40	2	3	8	2	0	1	14	31
Random	14,018	13,890	111	79	29	0	2	2	1	2	7	7	31
Post-Accident	2,491	2,450	36	20	13	0	3	1	0	0	1	4	8
Reasonable Suspicion	108	104	2	1	1	0	0	0	1	0	1	0	1
Return-to-Duty	145	140	5	5	0	0	0	0	0	0	0	0	2
Follow-up	974	959	13	6	6	0	0	1	0	0	1	1	1
Total	30,648	30,210	395	288	89	2	8	12	4	2	11	26	74

Table 23. Drug Test Results by Test Type for FTA Region 6


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	7,401	7,233	148	119	23	3	2	7	1	1	4	14	11
Random	6,477	6,405	63	34	27	1	1	8	0	1	5	3	14
Post-Accident	1,073	1,055	16	9	5	0	1	2	0	0	0	2	9
Reasonable Suspicion	21	19	2	2	1	0	0	0	0	0	0	0	0
Return-to-Duty	17	17	0	0	0	0	0	0	0	0	0	0	0
Follow-up	1,18	109	6	0	6	0	0	0	0	0	2	1	0
Total	15,107	14,838	235	164	62	4	4	17	1	2	11	20	34

Table 24. Drug Test Results by Test Type for FTA Region 7


 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	3,580	3,512	59	47	6	0	2	5	0	1	0	8	6
Random	3,329	3,295	30	24	5	0	1	0	0	0	1	3	3
Post-Accident	562	558	4	3	1	0	0	0	0	0	0	0	3
Reasonable Suspicion	21	21	0	0	0	0	0	0	0	0	0	0	0
Return-to-Duty	11	11	0	0	0	0	0	0	0	0	0	0	0
Follow-up	98	96	2	1	1	0	0	0	0	0	0	0	0
Total	7,601	7,493	95	75	13	0	3	5	0	1	1	11	12

Table 25. Drug Test Results by Test Type for FTA Region 8

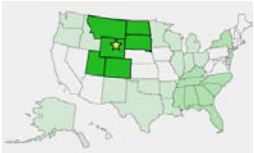
 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	4,231	4,169	60	47	9	0	2	2	0	0	0	2	5
Random	3,460	3,418	37	28	9	0	0	0	0	0	1	4	16
Post-Accident	322	320	2	2	0	0	0	0	0	0	0	0	1
Reasonable Suspicion	28	26	1	1	1	0	0	0	0	0	0	1	0
Return-to-Duty	37	36	1	1	0	0	0	0	0	0	0	0	0
Follow-up	265	261	4	0	4	0	0	0	0	0	0	0	3
Total	8,343	8,230	105	79	23	0	2	2	0	0	1	7	25

Table 26. Drug Test Results by Test Type for FTA Region 9



 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	17,005	16,623	370	273	62	4	2	37	0	0	3	9	52
Random	16,896	16,771	106	63	26	0	4	15	0	0	3	16	47
Post-Accident	2,548	2,518	29	9	12	0	0	8	0	0	0	1	11
Reasonable Suspicion	86	71	9	2	4	0	0	3	0	0	1	5	3
Return-to-Duty	108	106	1	0	0	0	0	1	0	0	0	1	0
Follow-up	1,362	1,341	20	10	5	0	1	4	0	0	0	1	1
Total	38,005	37,430	535	357	109	4	7	68	0	0	7	33	114

Table 27. Drug Test Results by Test Type for FTA Region 10

 Test Type	Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
Pre-employment	3,772	3,730	35	28	4	0	1	2	0	0	1	6	2
Random	4,623	4,591	26	20	5	0	1	0	1	0	0	5	5
Post-Accident	623	619	3	3	0	0	0	0	0	0	0	1	0
Reasonable Suspicion	23	20	3	2	0	0	1	1	0	0	0	0	0
Return-to-Duty	34	32	2	2	0	0	0	0	0	0	0	0	0
Follow-up	136	135	0	0	0	0	0	0	0	0	0	1	1
Total	9,211	9,127	69	55	9	0	3	3	1	0	1	13	8

4.1 Drug Test Results for Transit Employers and Contractors

Table 28 provides drug test results for transit employers by region. Figure 29 illustrates the positive rate for transit employers by region. Table 29 provides drug test results for contractors by region. Figure 22 illustrates the positive rate for transit systems and contractor employers by region.

Table 28. Drug Test Results for Transit Employers by Region

Region	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
1	5,506	5,441	61	37	22	0	2	0	0	0	1	3	6
2	22,621	22,446	168	109	58	0	6	1	0	1	0	6	22
3	18,529	18,310	204	121	67	10	6	2	0	1	2	12	28
4	18,259	18,103	143	85	54	1	3	2	4	0	0	9	21
5	19,489	19,322	148	103	37	1	5	5	1	1	10	7	44
6	11,940	11,756	158	105	46	2	3	15	0	2	10	14	26
7	6,229	6,160	61	47	9	0	2	3	0	1	1	6	7
8	5,068	5,012	50	39	10	0	2	0	0	0	0	6	15
9	18,297	18,120	156	97	37	0	5	21	0	0	6	15	35
10	6,063	6,025	32	23	5	0	2	2	1	0	0	5	7
TOTAL	132,001	130,695	1,181	766	345	14	36	51	6	6	30	83	211

Table 29. Drug Test Results for Contractors by Region

Region	Total Number of Test Results	Verified Negative Results	Verified Positive Results for One or More Drugs	Positive for Marijuana	Positive for Cocaine	Positive for PCP	Positive for Opiates	Positive for Amphetamines	Refusals				Cancelled Tests
									Adulterated	Substituted	"Shy Bladder" with No Medical Explanation	Other Refusals to Submit to Testing	
1	2,716	2,648	63	38	23	2	4	4	0	1	0	4	9
2	11,781	11,552	218	143	69	4	4	0	4	2	0	5	26
3	11,615	11,196	379	290	69	28	5	1	0	0	0	40	37
4	7,185	7,040	134	100	36	0	0	0	1	0	1	9	22
5	11,155	10,884	247	185	52	1	3	7	3	1	1	19	30
6	3,167	3,082	77	59	16	2	1	2	1	0	1	6	8
7	1,372	1,333	34	28	4	0	1	2	0	0	0	5	5
8	3,275	3,218	55	40	13	0	0	2	0	0	1	1	10
9	19,708	19,310	379	260	72	4	2	47	0	0	1	18	79
10	3,148	3,102	37	32	4	0	1	1	0	0	1	8	1
TOTAL	75,122	73,365	1,623	1,175	358	41	21	66	9	4	6	115	227

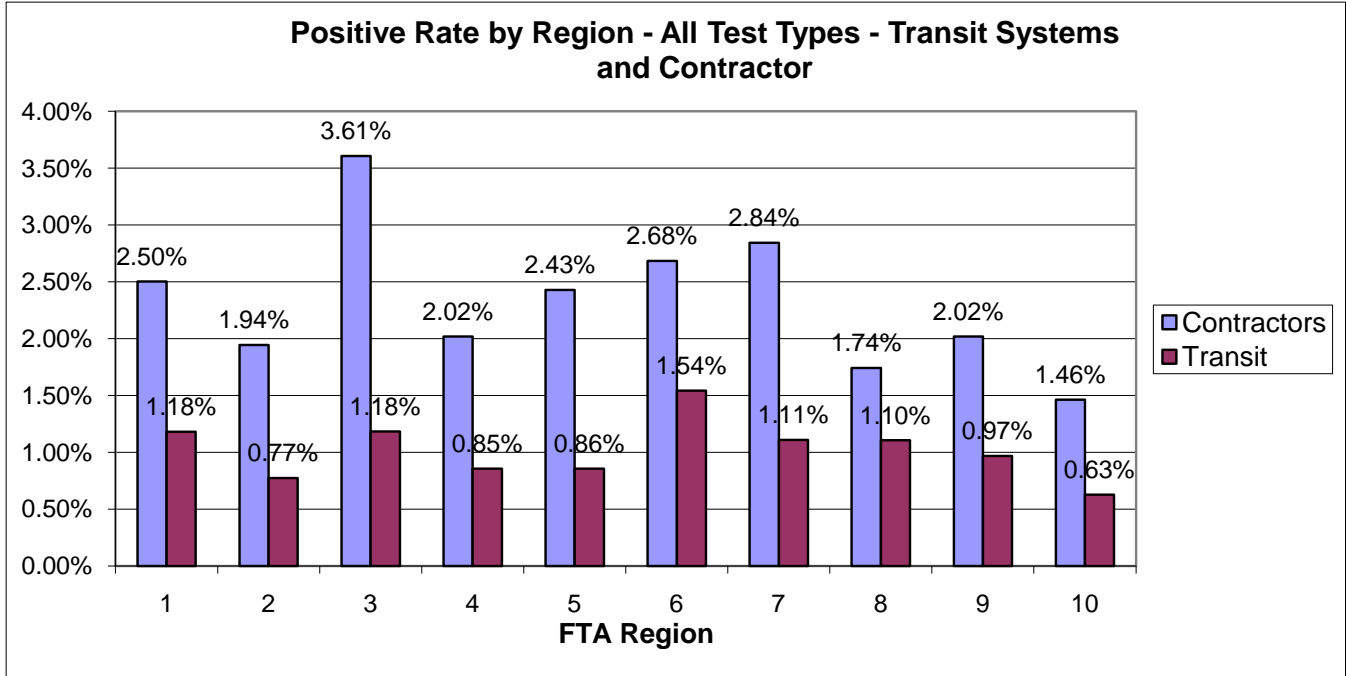


Figure 22. Drug Positive Rates for Transit and Contractor Employers by Region

4.2 Drug Results by Type for Each Region for 2008

Figures 23 through 28 provide data on verified positive drug results by drug type for each FTA region. Figure 29 provides the total verified positive test results for five drug types among contractors and transit systems. Figure 30 gives the percent of verified positives by employee category for each drug type. Figure 31 provides the percentage of verified positives for drug type by the type of test conducted.

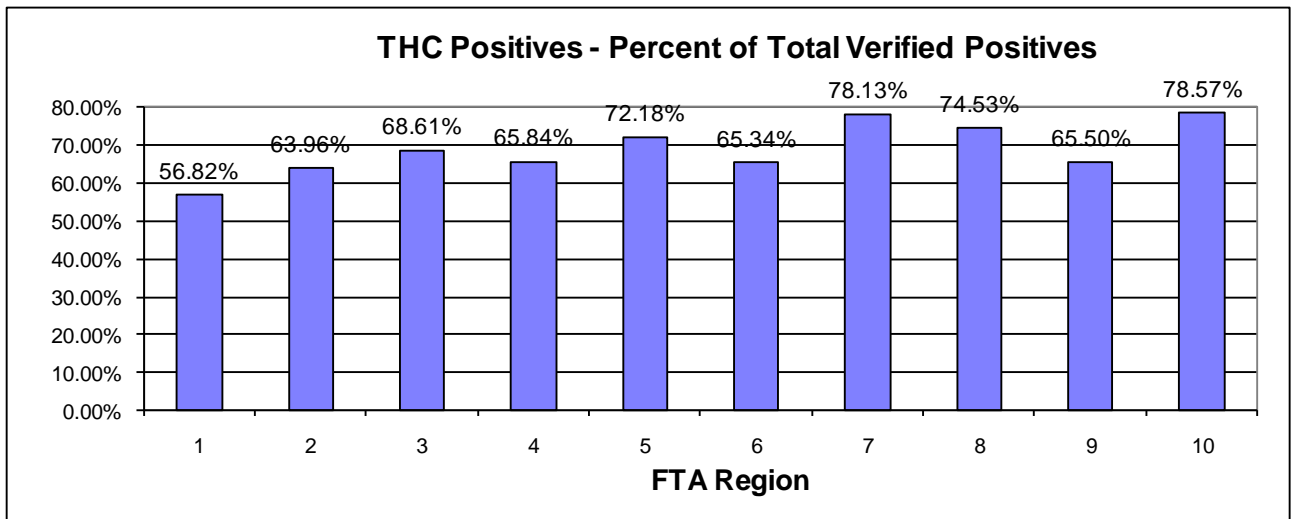


Figure 23. Percent of Verified Positives for Marijuana by Region

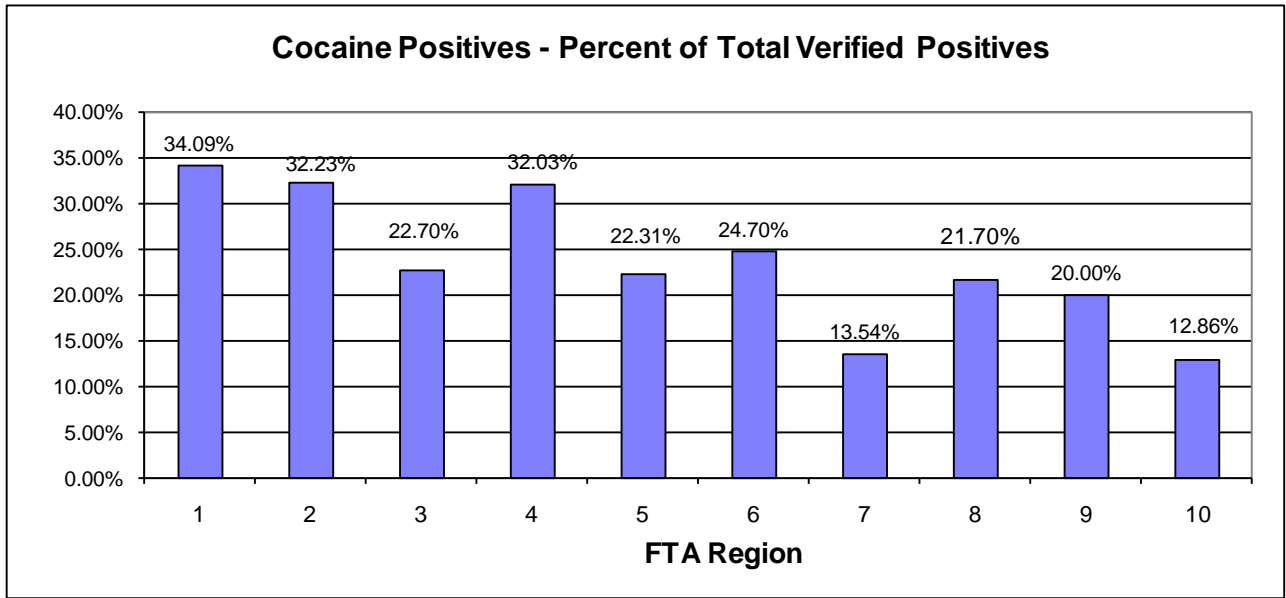


Figure 24. Percent of Total Verified Positives for Cocaine by Region

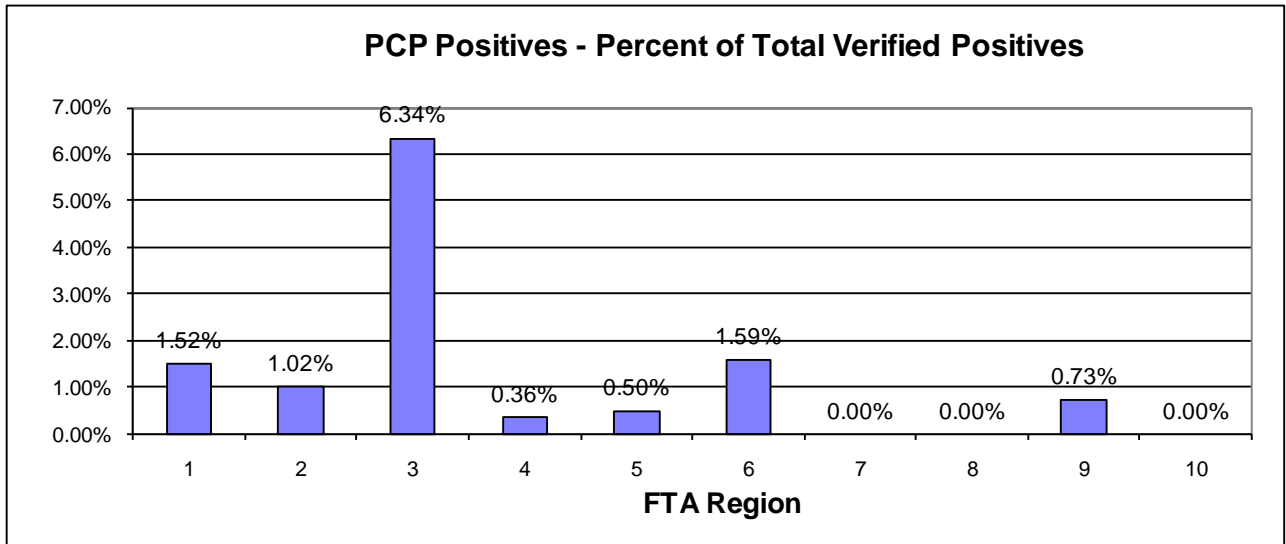


Figure 25. Percent of Total Verified Positives for PCP by Region

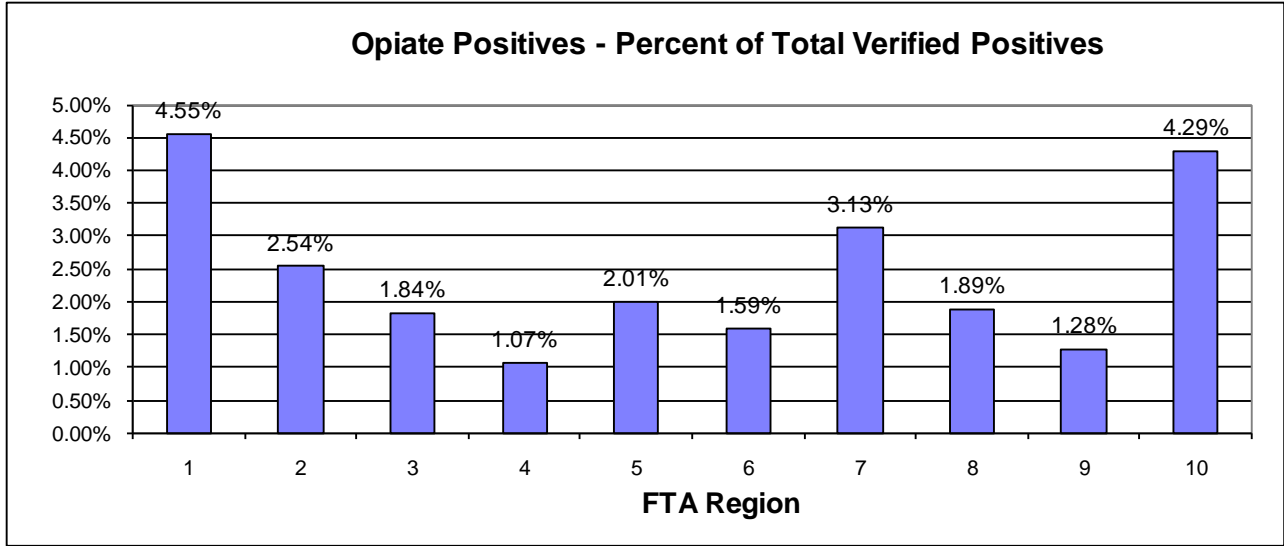


Figure 26. Percent of Total Verified Positives for Opiates by Region

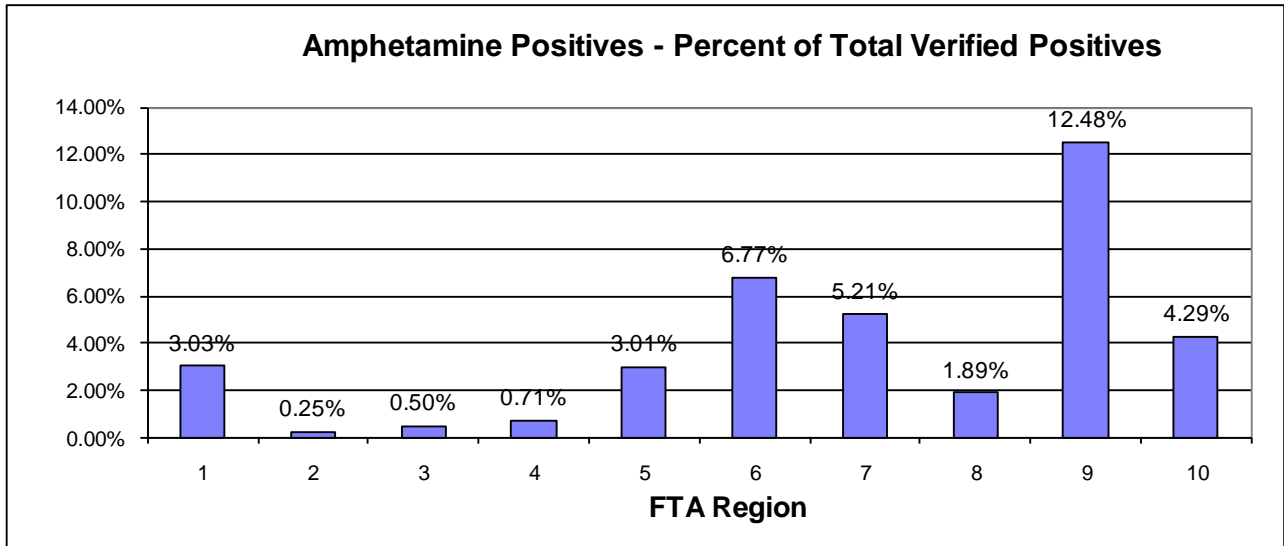


Figure 27. Percent of Total Verified Positives for Amphetamines by Region

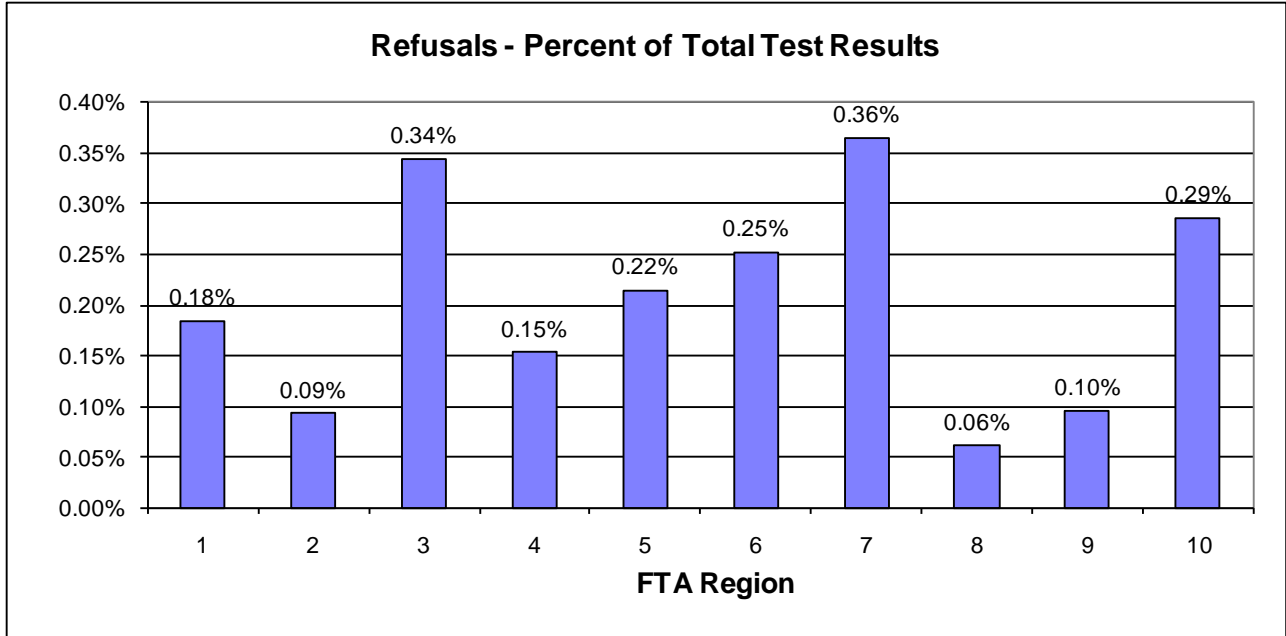


Figure 28. Percent of Total Test Refusals by Region

4.3 Verified Positives for Contractors and Transit Systems

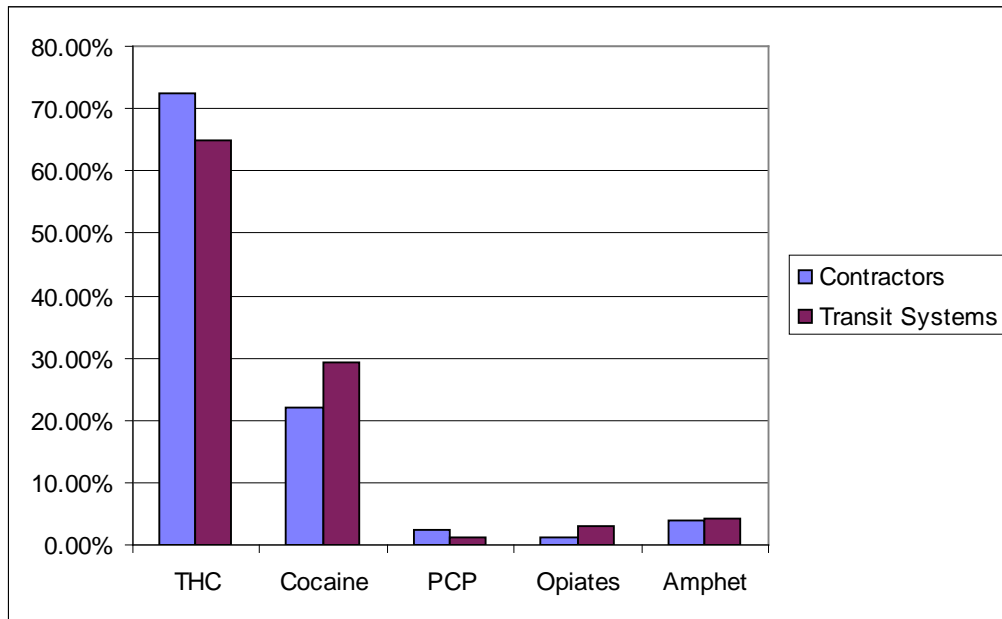


Figure 29. Total Verified Positives for Five Drug Types among Contractors and Transit Systems

4.4 Verified Positives by Employee Category for Drug Type Detected

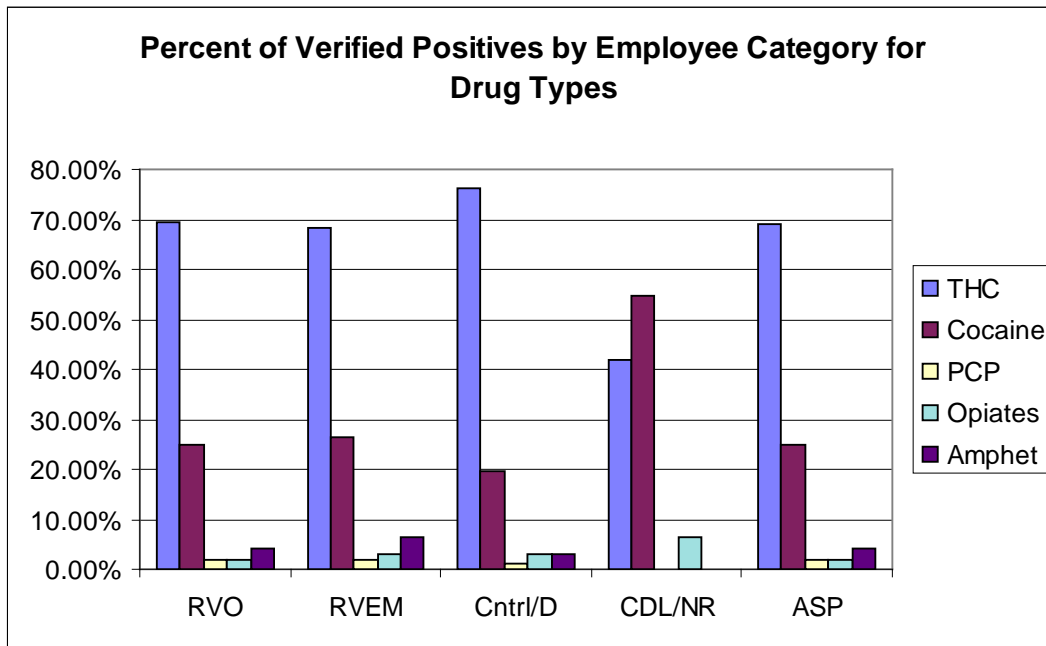


Figure 30. Percent of Verified Positives by Employee Category for Each Drug Type

4.5 Verified Positives for Drug Type and Type of Test Conducted

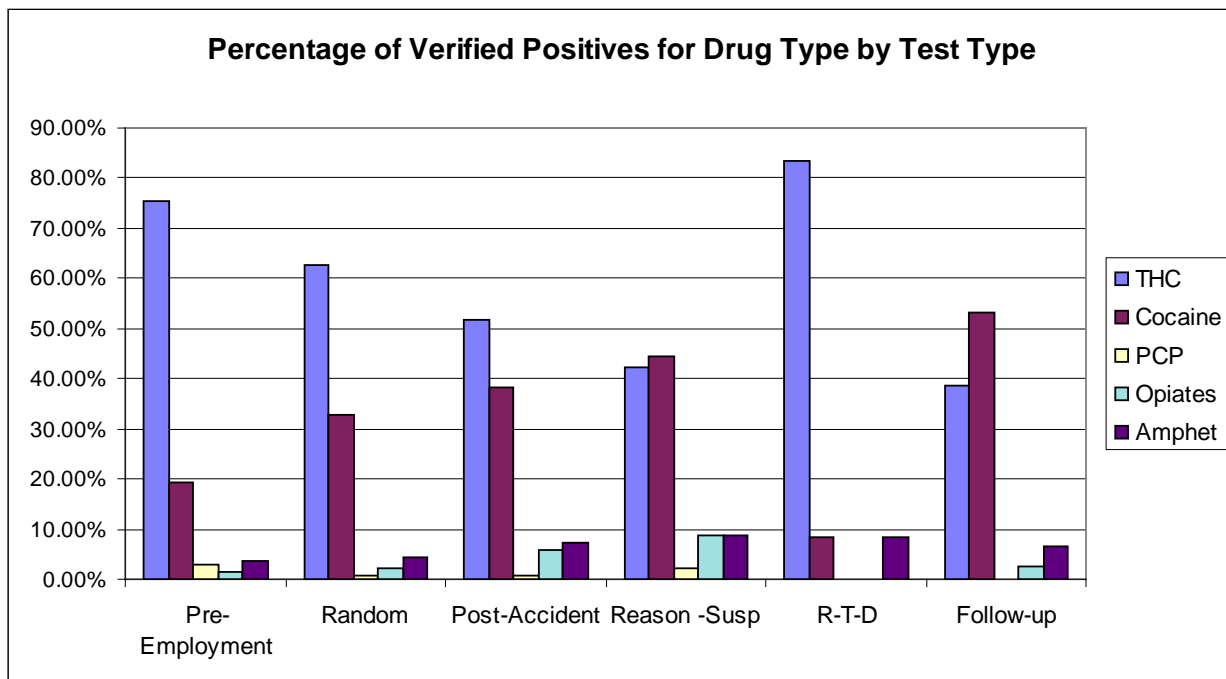


Figure 31. Percentage of Verified Positives for Drug Type by Test Type

5. Alcohol Test Results

5.1 Alcohol Test Results by Test Type and Employee Category

This section provides alcohol test results by test type conducted and for each employee category.

5.1.1 Pre-employment Alcohol Test Results

Table 30 provides alcohol results for pre-employment tests for each employee category. Figure 32 illustrates the violation rate for pre-employment tests by employee category.

Table 30. Pre-employment Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	“Shy Lung” with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	12,200	12180	19	22	8	6	1	0	4
Revenue Vehicle & Equipment Maintenance	1,802	1801	0	0	0	0	0	1	0
Revenue Vehicle Control/Dispatch	461	461	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	152	152	0	0	0	0	0	0	0
Armed Security Personnel	503	503	0	0	0	0	0	0	0
TOTAL	15,118	15,097	19	22	8	6	1	1	4

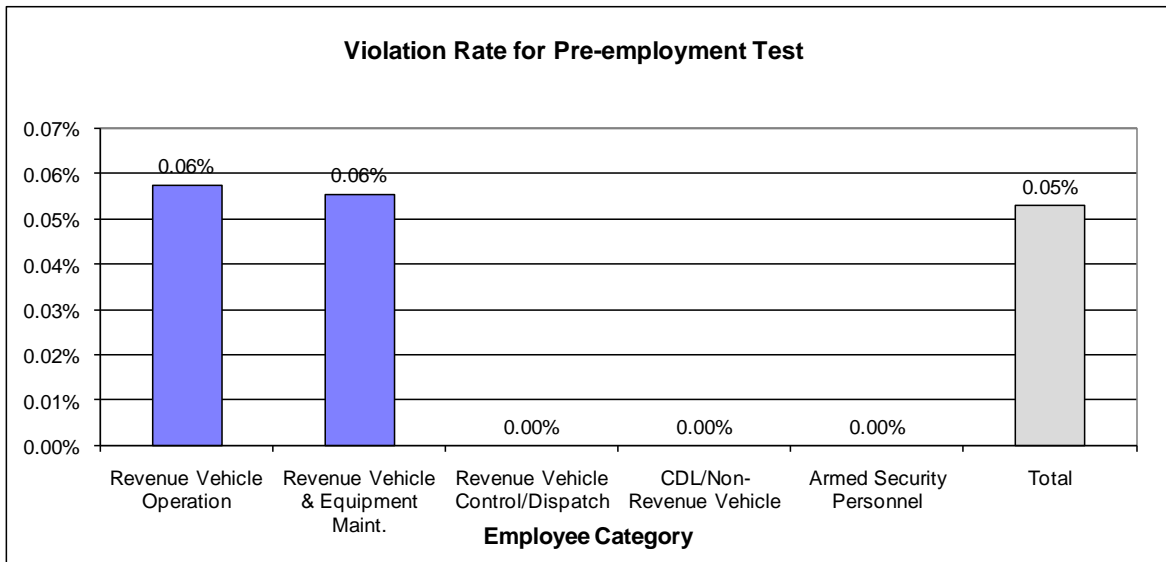


Figure 32. Positive Rate for Pre-employment Tests by Employee Category

5.1.2 Random Alcohol Test Results

Table 31 provides alcohol results for random tests for each employee category. Figure 33 illustrates the violation rate for random alcohol tests by employee category.

Table 31. Random Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	“Shy Lung” with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	27,524	27,464	45	38	14	18	5	10	19
Revenue Vehicle & Equipment Maintenance	7,745	7,712	31	28	9	18	0	2	2
Revenue Vehicle Control/Dispatch	2,964	2,956	6	5	1	2	1	1	3
CDL/Non-Revenue Vehicle	800	798	2	2	0	1	0	0	0
Armed Security Personnel	740	739	1	1	0	1	0	0	0
Ferry Boat Operator	467	466	1	1	0	1	0	0	2
TOTAL	40,240	40,135	86	75	24	41	6	13	26

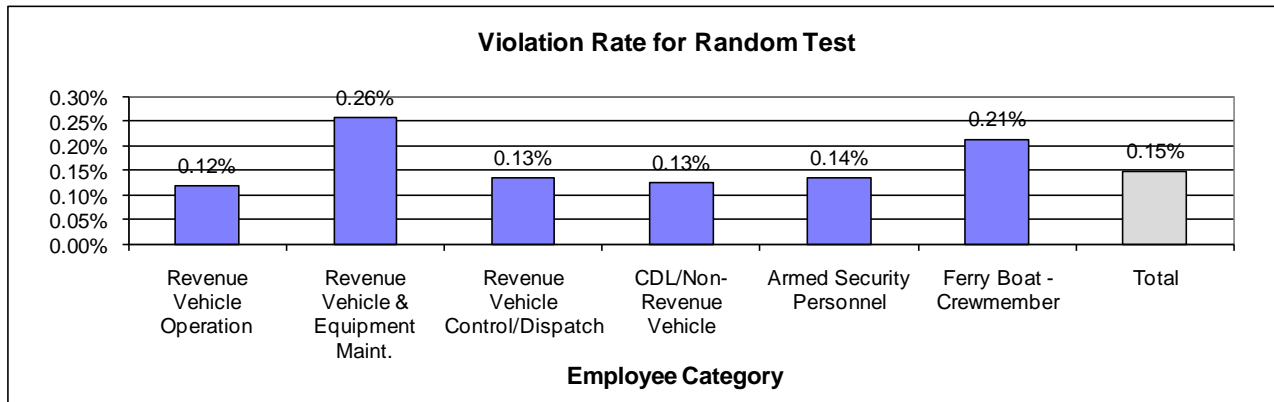


Figure 33. Positive Rate for Random Tests by Employee Category

5.1.3 Post-Accident Alcohol Test Results

Table 32 provides alcohol results for post-accident tests for each employee category. Figure 34 illustrates the violation rate for post-accident tests by employee category.

Table 32. Post-Accident Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	12,533	12,509	17	15	2	10	1	6	6
Revenue Vehicle & Equipment Maintenance	463	461	2	2	0	2	0	0	0
Revenue Vehicle Control/Dispatch	87	87	0	0	0	0	0	0	1
CDL/Non-Revenue Vehicle	74	74	0	0	0	0	0	0	1
Armed Security Personnel	79	78	1	1	0	1	0	0	0
TOTAL	13,236	13,209	20	18	2	13	1	6	8

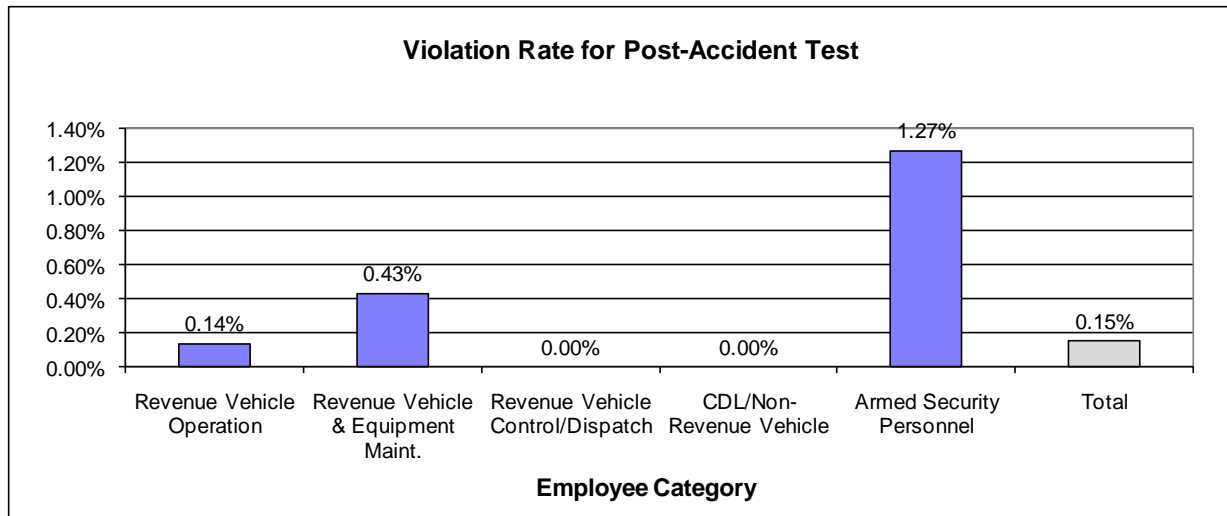


Figure 34. Positive Rate for Post-Accident Tests by Employee Category

5.1.4 Reasonable Suspicion Alcohol Test Results

Table 33 provides alcohol results for reasonable suspicion tests for each employee category. Figure 35 illustrates the violation rate for reasonable suspicion tests by employee category.

Table 33. Reasonable Suspicion Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	421	307	106	97	21	69	1	7	1
Revenue Vehicle & Equipment Maintenance	83	57	24	24	5	19	0	2	2
Revenue Vehicle Control/Dispatch	24	17	5	5	0	4	0	2	2
CDL/Non-Revenue Vehicle	8	6	2	2	0	1	0	0	0
Armed Security Personnel	2	1	1	1	0	1	0	0	0
TOTAL	538	388	138	129	26	94	1	11	5

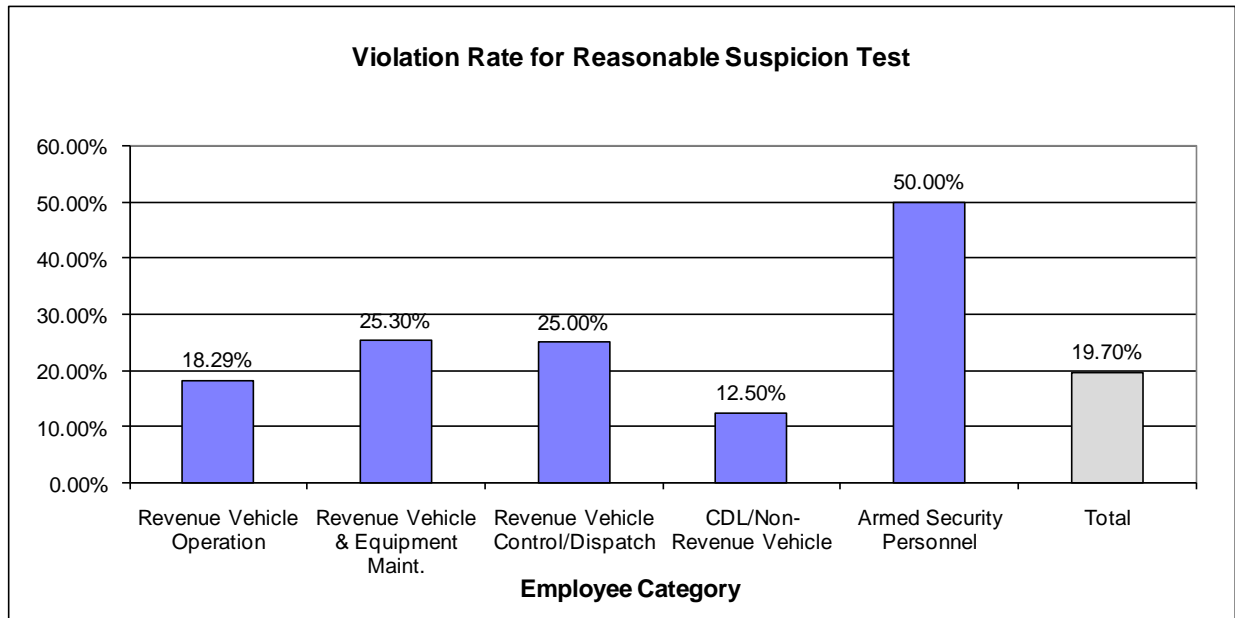


Figure 35. Positive Rate for Reasonable Suspicion Tests by Employee Category

5.1.5 Return-to-Duty Alcohol Test Results

Table 34 provides alcohol results for return-to-duty tests for each employee category. Figure 36 illustrates the violation rate for return-to-duty tests by employee category.

Table 34. Return-to-Duty Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	266	263	2	2	1	1	0	1	0
Revenue Vehicle & Equipment Maintenance	109	107	2	1	1	0	0	0	0
Revenue Vehicle Control/Dispatch	29	29	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	15	15	0	0	0	0	0	0	0
Armed Security Personnel	6	6	0	0	0	0	0	0	0
TOTAL	425	420	4	3	2	1	0	1	0

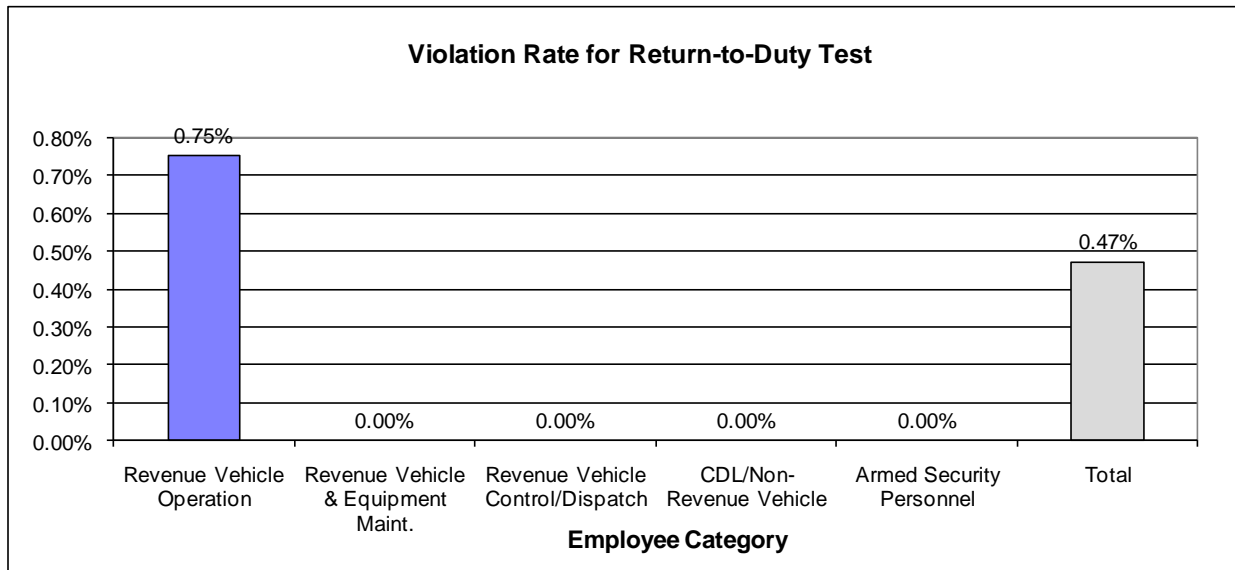


Figure 36. Positive Rate for Return-to-Duty Tests by Employee Category

5.1.6 Follow-up Alcohol Test Results

Table 35 provides alcohol results for follow-up tests for each employee category. Figure 37 illustrates the violation rate for follow-up tests by employee category.

Table 35. Follow-up Alcohol Test Results by Employee Category

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	3,156	3,143	12	12	4	8	1	0	0
Revenue Vehicle & Equipment Maintenance	1,530	1,521	7	6	3	2	0	2	1
Revenue Vehicle Control/Dispatch	182	182	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	87	87	0	0	0	0	0	0	0
Armed Security Personnel	44	44	0	0	0	0	0	0	0
TOTAL	4,999	4,977	19	18	7	10	1	2	1

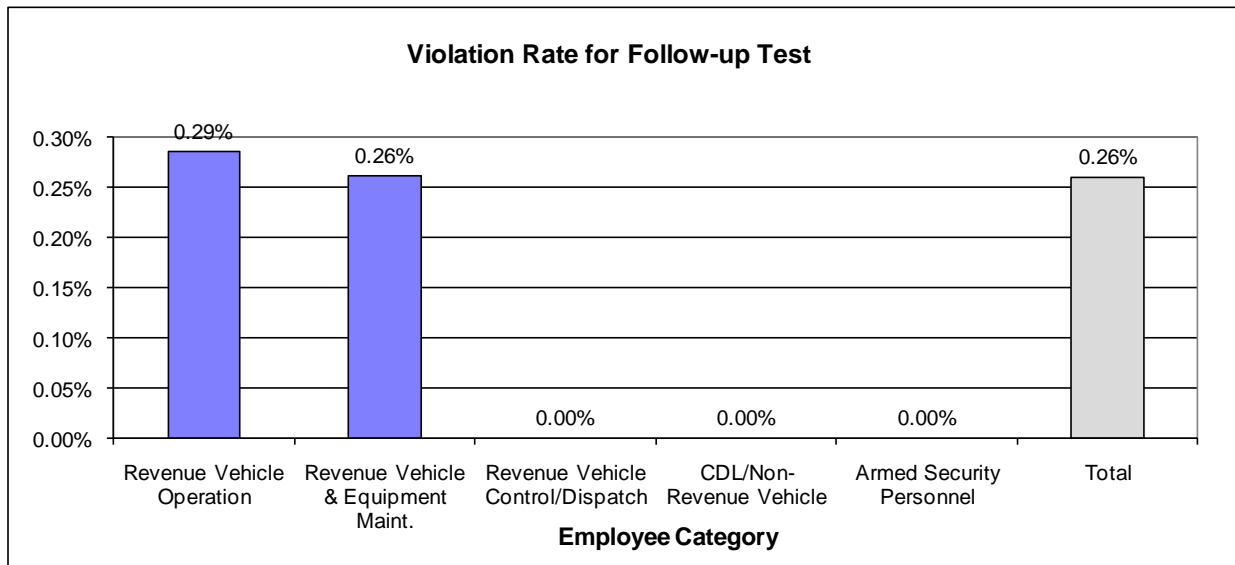


Figure 37. Positive Rate for Follow-up Tests by Employee Category

5.2 Alcohol Test Results for All Employee Categories

Table 36 provides alcohol results for all employee categories by test type.

Table 36. Alcohol Test Results for All Test Types

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	15,118	15,097	19	22	8	6	1	1	4
Random	40,240	40,135	86	75	24	41	6	13	26
Post-Accident	13,236	13,209	20	18	2	13	1	6	8
Reasonable Suspicion	538	388	138	129	26	94	1	11	5
Return-to-Duty	425	420	1	1	0	1	0	0	0
Follow-up	4,999	4,977	19	24	9	11	0	1	3
TOTAL	74,556	74,226	283	269	69	166	9	32	46

5.3 Alcohol Results by Employee Category

This section provides data on alcohol test results for each employee category. Tables 37 through 41 provide alcohol test results for each employee category by type of test conducted.

Table 37. Alcohol Results for Revenue Vehicle Operation by Test Type

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	12,200	12,180	19	22	8	6	1	0	4
Random	27,524	27,464	45	38	14	18	5	10	19
Post-Accident	12,533	12,509	17	15	2	10	1	6	6
Reasonable Suspicion	421	307	106	97	21	69	1	7	1
Return-to-Duty	266	263	2	2	1	1	0	1	0
Follow-up	3,156	3,143	12	12	4	8	1	0	0
TOTAL	56,100	55,866	201	186	50	112	9	24	30

Table 38. Alcohol Results for Revenue Vehicle and Equipment Maintenance by Test Type

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	1,802	1,801	0	0	0	0	0	1	0
Random	7,745	7,712	31	28	9	18	0	2	2
Post-Accident	463	461	2	2	0	2	0	0	0
Reasonable Suspicion	83	57	24	24	5	19	0	2	2
Return-to-Duty	109	107	2	1	1	0	0	0	0
Follow-up	1,530	1,521	7	6	3	2	0	2	1
TOTAL	11,732	11,659	66	61	18	41	0	7	5

Table 39. Alcohol Results for Revenue Vehicle Control/Dispatch by Test Type

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	461	461	0	0	0	0	0	0	0
Random	2,964	2,956	6	5	1	2	1	1	3
Post-Accident	87	87	0	0	0	0	0	0	1
Reasonable Suspicion	24	17	5	5	0	4	0	2	2
Return-to-Duty	29	29	0	0	0	0	0	0	0
Follow-up	182	182	0	0	0	0	0	0	0
TOTAL	3,747	3,732	11	10	1	6	1	3	6

Table 40. Alcohol Results for CDL/Non-Revenue Vehicle by Test Type

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	152	152	0	0	0	0	0	0	0
Random	800	798	2	2	0	1	0	0	0
Post-Accident	74	74	0	0	0	0	0	0	1
Reasonable Suspicion	8	6	2	2	0	1	0	0	0
Return-to-Duty	15	15	0	0	0	0	0	0	0
Follow-up	87	87	0	0	0	0	0	0	0
TOTAL	1,136	1,132	4	4	0	2	0	0	1

Table 41. Alcohol Results for Armed Security Personnel by Test Type

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	503	503	0	0	0	0	0	0	0
Random	740	739	1	1	0	1	0	0	0
Post-Accident	79	78	1	1	0	1	0	0	0
Reasonable Suspicion	2	1	1	1	0	1	0	0	0
Return-to-Duty	6	6	0	0	0	0	0	0	0
Follow-up	44	44	0	0	0	0	0	0	0
TOTAL	1,374	1,371	3	3	0	3	0	0	0

5.3.1 Ferry Boat Operator

On April 22, 2002, FTA published a Notice of Interpretation in the Federal Register that changed the applicability of the FTA Drug and Alcohol Testing Regulations to FTA-funded ferry boat operators. Previously, public transit ferry operators were required to comply with both the FTA and USCG regulations. The interpretation stated that FTA-funded ferry operations that comply with the relevant USCG drug and alcohol testing regulations were to be deemed in concurrent compliance with the FTA drug testing regulations. Since the USCG does not have a random alcohol testing provision that is similar to FTA's, the ferry operators were still required to comply with FTA's random alcohol testing requirements as defined in Section 655.45. On June 5, 2006, FTA published a Notice of Proposed Rulemaking (NPRM) that proposed to codify this interpretation in the final rule. If a ferry boat operator fails to be in compliance with the USCG testing regulations (46 CFR Part 4 and 16, and 33 CFR Part 95) or the FTA random alcohol testing regulations, the operator will be in non-compliance with 49 CFR Part 655. The employee is also subject to FTA consequences defined in Subpart G of the FTA regulations. The employer is responsible for the administrative and compliance certification requirements defined in Subparts H and I of the FTA regulations. This NPRM became a Final Rule, issued in November of 2006, and became effective January 2, 2007.

Table 42 provides alcohol results for the ferry boat operator employee category for random tests only. In 2008, the rate of ferry boat operators who tested positive for alcohol during a random test was 0.23 percent.

Table 42. Alcohol Results for Ferry Boat Operator for Random Test

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Random	467	466	1	1	0	1	0	0	2
TOTAL	467	466	1	1	0	1	0	0	2

5.3.2 Alcohol Test Results for All Employee Categories

Table 43 provides alcohol results for all test types by employee category.

Table 43. Alcohol Results for All Employee Categories by Test Type

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	“Shy Lung” with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	56,100	55,866	201	186	50	112	9	24	30
Revenue Vehicle & Equipment Maintenance	11,732	11,659	66	61	18	41	0	7	5
Revenue Vehicle Control/Dispatch	3,747	3,732	11	10	1	6	1	3	6
CDL/Non-Revenue Vehicle	1,136	1,132	4	4	0	2	0	0	1
Armed Security Personnel	1,374	1,371	3	3	0	3	0	0	0
Ferry Boat Operator	467	466	1	1	0	1	0	0	2
TOTAL	74,556	74,226	286	265	69	165	10	34	44

5.4 Alcohol Test Results for All Test Types by Employee Category

This section provides alcohol test results by employee category for each region. Tables 44 through 53 provide alcohol test results for all test types, by each employee category for Regions 1 through 10.

Table 44. Alcohol Results by Employee Category for All Test Types within Region 1

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	“Shy Lung” with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	1,833	1,819	13	13	2	10	0	1	3
Revenue Vehicle & Equipment Maintenance	320	316	2	2	0	2	0	2	0
Revenue Vehicle Control/Dispatch	114	114	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	9	9	0	0	0	0	0	0	0
Armed Security Personnel	27	27	0	0	0	0	0	0	0
Ferry Boat Operator	5	5	0	0	0	0	0	0	0
TOTAL	2,308	2,290	15	15	2	12	0	3	3

Table 45. Alcohol Results by Employee Category for All Test Types within Region 2

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	9,045	9,019	25	21	3	16	1	0	5
Revenue Vehicle & Equipment Maintenance	2,906	2,895	11	9	4	5	0	0	0
Revenue Vehicle Control/Dispatch	704	702	2	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	94	94	0	0	0	0	0	0	0
Armed Security Personnel	293	293	0	0	0	0	0	0	0
Ferry Boat Operator	439	438	1	1	0	1	0	0	2
TOTAL	13,481	13,441	39	31	7	22	1	0	7

Table 46. Alcohol Results by Employee Category for All Test Types within Region 3

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	10,352	10,317	33	33	14	17	0	2	1
Revenue Vehicle & Equipment Maintenance	2,415	2,398	15	13	4	7	0	2	1
Revenue Vehicle Control/Dispatch	483	479	3	3	0	2	0	1	1
CDL/Non-Revenue Vehicle	304	301	3	3	0	1	0	0	0
Armed Security Personnel	472	471	1	1	0	1	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	14,026	13,966	55	53	18	28	0	5	3

Table 47. Alcohol Results by Employee Category for All Test Types within Region 4

Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	6,642	6,617	18	17	3	8	0	7	1
Revenue Vehicle & Equipment Maintenance	1,266	1,256	9	9	4	5	0	1	0
Revenue Vehicle Control/Dispatch	673	672	0	1	0	0	1	0	0
CDL/Non-Revenue Vehicle	180	180	0	0	0	0	0	0	0
Armed Security Personnel	143	142	1	1	0	1	0	0	0
Ferry Boat Operator	13	13	0	0	0	0	0	0	0
TOTAL	8,917	8,880	28	28	7	14	1	8	1

Table 48. Alcohol Results by Employee Category for All Test Types within Region 5

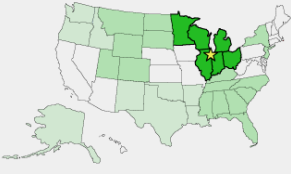
 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	9,538	9,500	33	33	7	26	2	3	8
Revenue Vehicle & Equipment Maintenance	1,606	1,595	10	10	2	8	0	1	1
Revenue Vehicle Control/Dispatch	599	597	2	2	0	1	0	0	0
CDL/Non-Revenue Vehicle	121	120	1	1	0	1	0	0	0
Armed Security Personnel	106	106	0	0	0	0	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	11,970	11,918	46	46	9	36	2	4	9

Table 49. Alcohol Results by Employee Category for All Test Types within Region 6


 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	3,546	3,534	9	9	2	5	1	2	5
Revenue Vehicle & Equipment Maintenance	6,86	681	4	4	0	4	0	1	0
Revenue Vehicle Control/Dispatch	267	267	0	0	0	0	0	0	0
CDL/Non-Revenue Vehicle	95	95	0	0	0	0	0	0	0
Armed Security Personnel	154	154	0	0	0	0	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	4,748	4,731	13	13	2	9	1	3	5

Table 50. Alcohol Results by Employee Category for All Test Types within Region 7

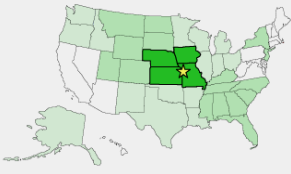
 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	1,727	1,718	8	8	3	1	0	1	1
Revenue Vehicle & Equipment Maintenance	149	147	2	2	1	1	0	0	0
Revenue Vehicle Control/Dispatch	54	54	0	0	0	0	0	0	1
CDL/Non-Revenue Vehicle	79	79	0	0	0	0	0	0	0
Armed Security Personnel	7	7	0	0	0	0	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	2,016	2,005	10	10	4	2	0	1	2

Table 51. Alcohol Results by Employee Category for All Test Types within Region 8

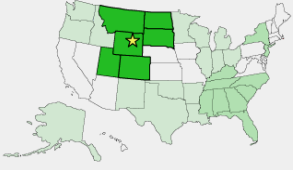
 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	1,322	1,312	9	7	2	3	1	0	1
Revenue Vehicle & Equipment Maintenance	289	285	4	4	1	3	0	0	0
Revenue Vehicle Control/Dispatch	142	141	0	0	0	0	0	1	0
CDL/Non-Revenue Vehicle	44	44	0	0	0	0	0	0	0
Armed Security Personnel	16	16	0	0	0	0	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	1,813	1,798	13	11	3	6	1	1	1

Table 52. Alcohol Results by Employee Category for All Test Types within Region 9

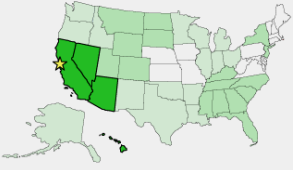
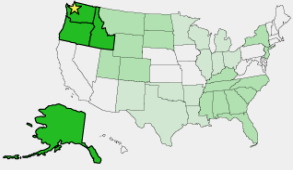
 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	9,765	9,712	43	36	12	19	4	6	5
Revenue Vehicle & Equipment Maintenance	1,729	1,721	8	7	2	5	0	0	2
Revenue Vehicle Control/Dispatch	557	553	3	3	1	2	0	1	4
CDL/Non-Revenue Vehicle	105	105	0	0	0	0	0	0	0
Armed Security Personnel	156	155	1	1	0	1	0	0	0
Ferry Boat Operator	10	10	0	0	0	0	0	0	0
TOTAL	12,322	12,256	55	47	15	27	4	7	11

Table 53. Alcohol Results by Employee Category for All Test Types within Region 10

 Employee Category	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Revenue Vehicle Operation	2,305	2,293	10	9	2	7	0	2	0
Revenue Vehicle & Equipment Maintenance	360	359	1	1	0	1	0	0	1
Revenue Vehicle Control/Dispatch	148	147	1	1	0	1	0	0	0
CDL/Non-Revenue Vehicle	103	103	0	0	0	0	0	0	1
Armed Security Personnel	0	0	0	0	0	0	0	0	0
Ferry Boat Operator	0	0	0	0	0	0	0	0	0
TOTAL	2,916	2,902	12	11	2	9	0	2	2

5.4.1 Alcohol Test Results for All Test Types by Region

Table 54 provides alcohol test results for all employee categories and test types for each region. Figure 38 illustrates the violation rate for all test types for each region.

Table 54. Alcohol Results for All Employee Categories and Test Types by Region

Region	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	“Shy Lung” with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
1	2,308	2,290	15	15	2	12	0	3	3
2	13,481	13,441	39	31	7	22	1	0	7
3	14,026	13,966	55	53	18	28	0	5	3
4	8,917	8,880	28	28	7	14	1	8	1
5	11,970	11,918	46	46	9	36	2	4	9
6	4,748	4,731	13	13	2	9	1	3	5
7	2,016	2,005	10	10	4	2	0	1	2
8	1,813	1,798	13	11	3	6	1	1	1
9	12,322	12,256	55	47	15	27	4	7	11
10	2,916	2,902	12	11	2	9	0	2	2
TOTAL	74,517	74,187	286	265	69	165	10	34	44

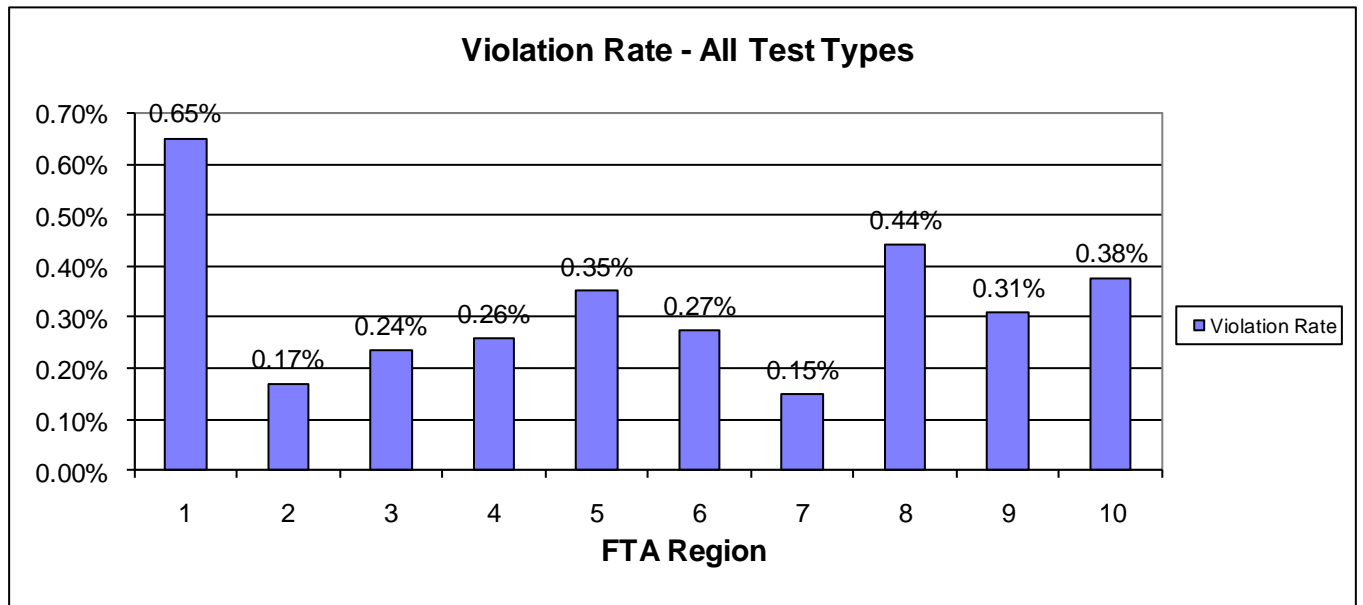


Figure 38. Violation Rate for All Test Types by Region

5.5 Transit Employer and Contractor Alcohol Test Results

Table 55 provides alcohol test results for transit employers for all test types by region. Table 56 provides alcohol results for contractors for all test types by region. Figure 39 provides the violation rate for contractors and transit systems for each type of test conducted by region.

Table 55. Alcohol Results for Transit Employers for All Test Types by Region

Region	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
1	1,730	1,717	13	13	2	11	0	0	1
2	10,285	10,263	22	20	5	14	0	0	5
3	10,919	10,875	41	40	14	22	0	3	3
4	7,183	7,161	20	21	5	9	0	2	1
5	6,786	6,749	35	35	9	25	1	1	6
6	4,026	4,013	10	10	1	7	1	2	5
7	1,714	1,703	10	10	4	2	0	1	2
8	1,292	1,280	11	9	3	5	0	1	0
9	8,237	8,204	28	23	10	11	3	2	9
10	2,311	2,302	7	6	0	6	0	2	1
TOTAL	54,483	54,267	197	187	53	112	5	14	33

Table 56. Alcohol Results for Contractors for All Test Types by Region

Region	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
1	578	573	2	2	0	1	0	3	2
2	3,196	3,178	17	11	2	8	1	0	2
3	3,107	3,091	14	13	4	6	0	2	0
4	1,734	1,719	8	7	2	5	1	6	0
5	5,184	5,169	11	11	0	11	1	3	3
6	722	718	3	3	1	2	0	1	0
7	302	302	0	0	0	0	0	0	0
8	521	518	2	2	0	1	1	0	1
9	4,085	4,052	27	24	5	16	1	5	2
10	605	600	5	5	2	3	0	0	1
TOTAL	20,034	19,920	89	78	16	53	5	20	11

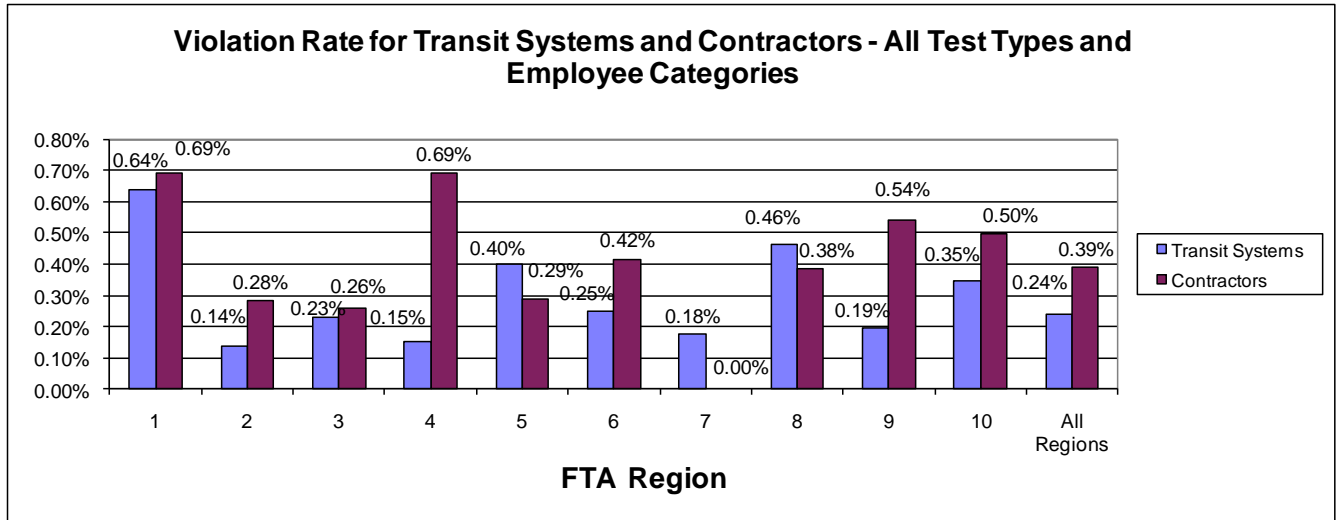


Figure 39. Violation Rate for Contractors and Transit Systems for All Test Types by Region

5.6 Alcohol Test Results for All Employee Categories by Test Type

This section provides alcohol test results by test type for all employee categories within each region. Tables 57 through 66 provide alcohol test results for all employee categories by test type for FTA Regions 1 through 10. Figure 40 illustrates the violation rate for random alcohol tests by region.

Table 57. Alcohol Results for All Employee Categories by Test Type for FTA Region 1

Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	76	76	0	0	0	0	0	0	0
Random	1,473	1,472	1	1	0	1	0	0	1
Post-Accident	443	442	1	1	0	1	0	0	2
Reasonable Suspicion	24	11	10	10	2	7	0	3	0
Return-to-Duty	19	19	0	0	0	0	0	0	0
Follow-up	273	270	3	3	0	3	0	0	0
TOTAL	2,308	2,290	15	15	2	12	0	3	3

Table 58. Alcohol Results for All Employee Categories by Test Type for FTA Region 2

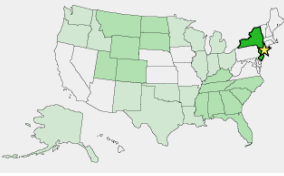
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	1,701	1,700	1	1	0	1	0	0	2
Random	8,030	8,013	17	11	3	7	0	0	5
Post-Accident	2,221	2,214	6	5	1	4	1	0	0
Reasonable Suspicion	57	45	12	11	2	8	0	0	0
Return-to-Duty	51	51	0	0	0	0	0	0	0
Follow-up	1,421	1,418	3	3	1	2	0	0	0
TOTAL	13,481	13,441	39	31	7	22	1	0	7

Table 59. Alcohol Results for All Employee Categories by Test Type for FTA Region 3

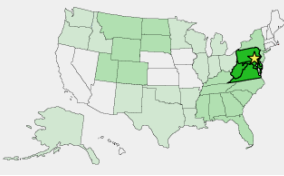
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	4,484	4,475	9	9	5	3	0	0	0
Random	6,637	6,615	19	18	6	9	0	3	2
Post-Accident	1,671	1,669	2	2	0	1	0	0	0
Reasonable Suspicion	104	85	19	19	4	14	0	0	1
Return-to-Duty	107	104	2	1	1	0	0	1	0
Follow-up	1,023	1,018	4	4	2	1	0	1	0
TOTAL	14,026	13,966	55	53	18	28	0	5	3

Table 60. Alcohol Results for All Employee Categories by Test Type for FTA Region 4

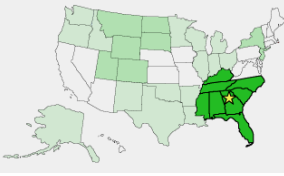
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	1,504	1,502	2	5	1	0	0	0	0
Random	5,250	5,239	7	5	3	1	1	3	1
Post-Accident	1,919	1,916	1	2	0	1	0	2	0
Reasonable Suspicion	60	39	18	16	3	12	0	3	0
Return-to-Duty	45	45	0	0	0	0	0	0	0
Follow-up	139	139	0	0	0	0	0	0	0
TOTAL	8,917	8,880	28	28	7	14	1	8	1

Table 61. Alcohol Results for All Employee Categories by Test Type for FTA Region 5

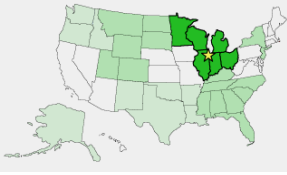
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	3,467	3,465	1	1	1	0	0	1	0
Random	5,449	5,437	9	9	4	5	2	1	7
Post-Accident	2,282	2,280	1	1	0	1	0	1	1
Reasonable Suspicion	121	91	29	29	2	26	0	1	1
Return-to-Duty	69	68	1	1	0	1	0	0	0
Follow-up	582	577	5	5	2	3	0	0	0
TOTAL	11,970	11,918	46	46	9	36	2	4	9

Table 62. Alcohol Results for All Employee Categories by Test Type for FTA Region 6

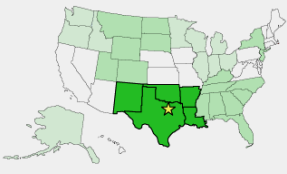
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	1,055	1,053	1	1	0	1	1	0	1
Random	2,698	2,692	5	5	1	3	0	1	3
Post-Accident	916	914	1	1	0	0	0	1	1
Reasonable Suspicion	18	12	6	6	1	5	0	0	0
Return-to-Duty	10	10	0	0	0	0	0	0	0
Follow-up	51	50	0	0	0	0	0	1	0
TOTAL	4,748	4,731	13	13	2	9	1	3	5

Table 63. Alcohol Results for All Employee Categories by Test Type for FTA Region 7

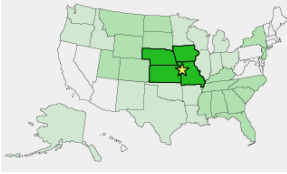
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	197	194	3	3	0	0	0	0	0
Random	1,231	1,227	3	3	2	0	0	1	1
Post-Accident	491	490	1	1	0	1	0	0	1
Reasonable Suspicion	19	16	3	3	2	1	0	0	0
Return-to-Duty	17	17	0	0	0	0	0	0	0
Follow-up	61	61	0	0	0	0	0	0	0
TOTAL	2,016	2,005	10	10	4	2	0	1	2

Table 64. Alcohol Results for All Employee Categories by Test Type for FTA Region 8

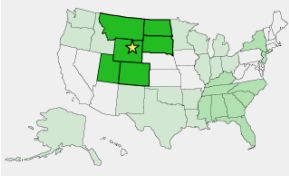
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	104	104	0	0	0	0	0	0	0
Random	1,206	1,201	4	4	1	3	1	0	1
Post-Accident	274	274	0	0	0	0	0	0	0
Reasonable Suspicion	22	12	9	7	2	3	0	1	0
Return-to-Duty	14	14	0	0	0	0	0	0	0
Follow-up	193	193	0	0	0	0	0	0	0
TOTAL	1,813	1,798	13	11	3	6	1	1	1

Table 65. Alcohol Results for All Employee Categories by Test Type for FTA Region 9

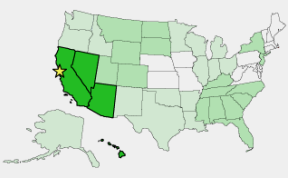
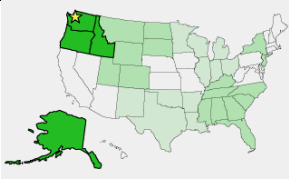
 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	2,259	2,257	2	2	1	1	0	0	1
Random	6,238	6,215	18	17	3	11	2	3	4
Post-Accident	2,448	2,442	5	3	1	2	0	1	2
Reasonable Suspicion	91	61	26	22	7	13	1	3	3
Return-to-Duty	77	76	1	1	1	0	0	0	0
Follow-up	1,209	1,205	3	2	2	0	1	0	1
TOTAL	12,322	12,256	55	47	15	27	4	7	11

Table 66. Alcohol Results for All Employee Categories by Test Type for FTA Region 10

 Test Type	Total Number of Screening Test Results	Screening Tests with Results Below 0.02	Screening Tests with Results 0.02 or Greater	Number of Confirmation Test Results	Confirmation Tests with Results 0.02 to 0.039	Confirmation Tests with Results 0.04 or Greater	"Shy Lung" with No Medical Explanation	Other Refusals to Submit to Testing	Cancelled Tests
Pre-employment	262	262	0	0	0	0	0	0	0
Random	1,998	1,994	3	2	1	1	0	1	1
Post-Accident	571	568	2	2	0	2	0	1	1
Reasonable Suspicion	22	16	6	6	1	5	0	0	0
Return-to-Duty	16	16	0	0	0	0	0	0	0
Follow-up	47	46	1	1	0	1	0	0	0
TOTAL	2,916	2,902	12	11	2	9	0	2	2

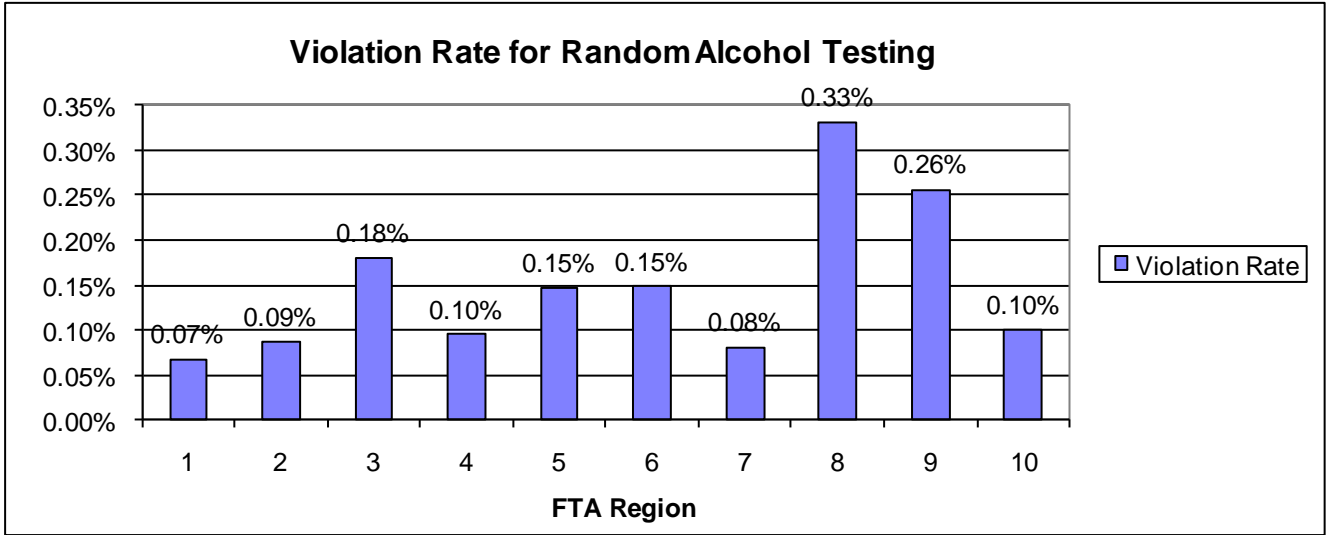


Figure 40. Violation Rate for Random Alcohol Tests by Region

Appendix A. MIS Data Collection Form

PAPERWORK REDUCTION ACT NOTICE (as required by 5 CFR 1320.21)

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2105-0529. The Department of Transportation estimates that the average burden for this report form is 1.5 hours. You may send comments regarding this burden estimate or any suggestions for reducing the burden to: U.S. Department of Transportation, Office of Drug and Alcohol Policy and Compliance, Room 10403, 400 Seventh Street, SW, Washington, D.C. 20590; OR Office of Management and Budget, Paperwork Reduction Project, 725 Seventeenth Street, NW, Washington, D.C. 20503.

Title 18, USC Section 1001, makes it a criminal offense subject to a maximum fine of \$10,000, or imprisonment for not more than 5 years, or both, to knowingly and willfully make or cause to be made any false or fraudulent statements of representations in any matter within the jurisdiction of any agency of the United States.

Appendix B. Contact Information

For additional information regarding the FTA's drug and alcohol testing requirements, please contact the following individuals:

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For assistance in accessing the FTA Office of Safety and Security Web site and using the Internet reporting system, contact the FTA DAMIS Project Office at (617) 494-6336 or via e-mail at FTA.damis@dot.gov. Contact the FTA Safety and Security Clearinghouse at (617) 494-2116 for additional copies of this report as well as technical assistance materials, including the *Implementation Guidelines for Drug and Alcohol Regulations in Mass Transit* and *Best Practices Manual: FTA Drug and Alcohol Testing Program*. Documents can also be obtained from the FTA Safety and Security Clearinghouse Web site at: <http://transit-safety.fta.dot.gov/publications/order/default.asp>. You may also send e-mail directly to FTA.clearinghouse@dot.gov.

Appendix C. Glossary of Terms

Accident: An occurrence associated with the operation of a vehicle, if as a result:

- (1) An individual dies.
- (2) An individual suffers a bodily injury and immediately receives medical treatment away from the scene of the accident.
- (3) With respect to an occurrence in which the mass transit vehicle involved is a bus, electric bus, van, or automobile, one or more vehicles incurs disabling damage and is transported away from the scene by a tow truck or other vehicle.
- (4) With respect to an occurrence in which the mass transit vehicle involved is a rail car, trolley car, trolley bus, or vessel, the mass transit vehicle is removed from revenue service.

Alcohol Concentration: The alcohol in a volume of breath, expressed in terms of grams of alcohol per 210 liters of breath as indicated by a breath test.

Amphetamines: Includes racemic, amphetamine, extroamphetamine, and methamphetamine. These are potent stimulants that can be swallowed, snorted, or injected. They reduce the desire to sleep or eat and can induce a sense of aroused euphoria, accompanied by feelings of increased power, strength, energy, self-assertion, focus, and motivation. Because the body does not readily break down amphetamines, these feelings, which are often intense and ephemeral, may last several hours. Severe mental depression and fatigue can set in when the euphoric feelings wear off.

Armed Security Personnel: Employees who provide security and carry a firearm.

Canceled or Invalid Test: In drug testing, a drug test that has been declared invalid by a Medical Review Officer (MRO). In alcohol testing, a test that is deemed to be invalid. It is neither a positive nor a negative test.

CDL/Non-Revenue Vehicle: Job category including any transit employee who holds a Commercial Driver's License (CDL), performs a function requiring a CDL, and is not included in any other job category.

Cocaine: An addictive substance that comes from coca leaves or is made synthetically. It appears as a white powder that is snorted, ingested, injected, freebased (smoked), or applied directly to the nasal membrane or gums. Cocaine acts as a stimulant to the central nervous system. It gives the user a feeling of exhilaration. The chemicals in cocaine trick the brain into feeling it has experienced pleasure when in fact it has not.

Confirmation (or Confirmatory) Test: In drug testing, a second analytical procedure to identify the presence of a specific drug or metabolite that is independent of the screening test and that uses a different technique and chemical principle from those of the screening test in order to ensure reliability and accuracy. In alcohol testing, a second test following a screening test with a result of 0.02 or greater that provides quantitative data of alcohol concentration.

Consortium: An entity, such as a group or association of employers, operators, recipients, subrecipients, or contractors, that provides drug testing services and acts on behalf of the employer.

Contractor: A person or organization that provides a service for a recipient, subrecipient, employer, or operator consistent with a specific understanding or arrangement. The understanding can be a written contract or an informal arrangement that reflects an ongoing relationship between the parties.

Covered Employee: A person, such as an applicant, transferee, or volunteer who perform a safety-sensitive function for a recipient, subrecipient, employer, or operator.

Drug Metabolite: The specific substance produced when the human body metabolizes a given prohibited drug as it passes through and is excreted in urine.

Drug Test: The laboratory analysis of a urine specimen collected in accordance with 49 CFR Part 40 and analyzed in a Department of Health and Human Services (DHHS)-approved laboratory.

Education: Efforts that include the display and distribution of informational materials, a community service hotline telephone number for employee assistance, and the transit entity policy regarding drug use and alcohol misuse in the workplace.

Employee: An individual designated in a Department of Transportation (DOT) agency regulation as subject to drug and/or alcohol testing; includes applicants for employment.

Employer: A recipient or other entity that provides mass transportation services or performs a safety-sensitive function for such recipient or other entity. This term includes subrecipients, operators, and contractors.

Follow-up Testing: Drug or alcohol test that is required for an employee who is returned to safety-sensitive duty. The employee is subject to at least six unannounced tests for at least 12 months after returning to duty. The exact number and frequency of tests is prescribed by the Substance Abuse Professional (SAP), who may order tests for up to 60 months after return to duty. The SAP often requires the employee to submit to both a drug and an alcohol test even if only one of the tests was at issue. Follow-up testing is separate from and in addition to random testing. Part 655 incorporates follow-up testing under return-to-duty testing (i.e., return to duty/follow-up testing) as one of five required FTA tests. It was previously listed separately as one of six required FTA tests.

Marijuana: Derived from the hemp plant, it comes in a variety of colors such as green, brown, and a gray mixture of leaves. THC (delta-9-tetrahydrocannabinol) is the primary active chemical in marijuana. It is absorbed quickly into fatty tissues and stored for a long time. The potency and strength of the chemical causes people to use the drug for the mildly tranquilizing, mood- and perception-altering effects it produces. The test for marijuana also includes its metabolites.

Opiates: Known as narcotic analgesics, includes heroin, morphine, and codeine. Opiates are derived from a sap taken from a seedpod of the plant, *papaver somniferum* (or poppy plant). General effects include sedation, slowed reflexes, raspy speech, sluggish movements, slowed breathing, cold skin, and vomiting. The synthetic form of opiates, known as a designer drug, is even more deadly and addictive.

Phencyclidine (PCP): Originally developed as an anesthetic; has adverse side effects that limit its medical use to a tranquilizer for large animals. In people, PCP acts as both a depressant and a hallucinogen and sometimes as a stimulant. PCP can cause distorted bodily perceptions and a feeling of disassociation in which the mind feels separated from the body. These effects can be very upsetting to some people, who may panic as a result.

Positive Rate: The sum of the annual number of verified positive results for random drug tests conducted under 49 CFR Part 655 plus the annual number of refusals to submit to a random drug test, divided by the total number of random test results.

Post-Accident Testing: Tests required following an accident involving a fatality or following an accident that meets any of three other criteria if the employee's involvement cannot be completely discounted as a contributing factor: (1) a person suffers a bodily injury and immediately receives medical attention away from the scene, (2) when any vehicle involved in the accident incurs damage requiring it to be transported away from the scene by a tow truck or other vehicle, or (3) the mass transit vehicle involved is a rail car, trolley car, trolley bus, or vessel and is removed from revenue service due to the accident.

Pre-employment Testing: Testing of candidates (including existing non-safety-sensitive employees and applicants for employment) for a safety-sensitive position and of employees who have not performed a safety-sensitive function for more than 90 consecutive calendar days, regardless of the reason, and have been removed from the employer's random selection pool during that time.

A negative pre-employment test for drugs is required by FTA as a condition for performing safety-sensitive duties under these circumstances. Pre-employment alcohol tests are not required but are permitted under Part 655, providing that they are performed in accordance with the testing procedures in Part 40. The alcohol tests are included in the data presented in Chapter 4 of this report because they are conducted per DOT standards and are required by many employers. The Omnibus Testing Act required a negative pre-employment alcohol test, but FTA suspended the requirement on May 10, 1995, as the result of a U.S. Court of Appeals decision. FTA decided to allow but not require pre-employment alcohol testing in Part 655.

Random Testing: Considered by FTA to be the most effective deterrent to drug use and alcohol misuse as well as the most reliable indicator of drug use and alcohol misuse within an employer and in the industry as a whole, provided it is unannounced and unpredictable. Selections for testing must be based on a scientifically valid random-number selection method, to ensure that all safety-sensitive employees have an equal chance of being selected for testing.

Random Testing Rate: The number of drug tests equal to at least 25 percent of the total number of safety-sensitive employees and, of alcohol tests equal to at least 10 percent of the total number of safety-sensitive employees must be conducted each year by this method.

Reasonable Suspicion Testing: Required when an employer has reasonable suspicion that an employee has used a prohibited drug or has misused alcohol as defined in the regulations. Must be based on specific, contemporaneous, articulable observations made by a trained supervisor concerning the appearance, behavior, speech, or body odor of a safety-sensitive employee.

Recipient: An entity receiving federal financial assistance under Section 5307, 5309, or 5311 of the Federal Transit Act or under Sections 103(e)(4) of Title 23 of the U.S. Code.

Refusal to Submit (to an alcohol test): When a covered employee fails to provide adequate breath for testing without a valid medical explanation.

Refusal to Submit (to a drug test): When a covered employee fails to provide a urine sample as required by 49 CFR Part 40 without a valid medical explanation after receiving notice of the requirement to be tested, or engages in conduct that clearly obstructs the testing process.

Return-to-Duty Testing: Drug and/or alcohol test that is required for a safety-sensitive employee who completes a course of treatment prescribed by a SAP after testing positive for drugs or alcohol or refusing to submit to a required test. A negative result for the type (drug or alcohol) of positive or refused test is required before the employee can be returned to duty. SAPs often require the employee to submit to both a drug and an alcohol test even if only one of the tests was at issue.

Revenue Vehicle Control/Dispatch: Includes employees who control the movement of revenue service vehicles. The key consideration is the type of work performed rather than a particular job title. FTA decided not to attempt a universal definition of “dispatchers” in Part 655. Instead, each employer determines whether its particular dispatcher performs or may perform a safety-sensitive function.

Revenue Vehicle and Equipment Maintenance: Includes employees who maintain revenue service vehicles or equipment, as well as many maintenance contract employees who perform routine, ongoing repair or maintenance for FTA recipients and subrecipients that have employees, including supervisors, who perform or could be called upon to perform any of the FTA safety-sensitive functions. Maintenance contractors of 5311 funding recipients are not subject to the testing regulations. Additionally, recipients that operate in areas with a population of 200,000 or less and contract out maintenance services are no longer required to comply.

Revenue Vehicle Operation: Safety-sensitive job category; includes employees who operate a revenue service vehicle, regardless of whether it is in service.

Safety-Sensitive Function: Any of the following duties:

- Operating a revenue service vehicle, including when not in revenue service

- Operating a non-revenue service vehicle that is required to be operated by the holder of a CDL
- Controlling dispatch or movement of a revenue service vehicle
- Maintaining a revenue service vehicle or equipment used in revenue service, unless the recipient receives Section 5311 funding and contracts out such services
- Providing security and carrying a firearm

Screening Test (or Initial Test): In drug testing, an immunoassay screen to eliminate negative urine specimens from further analysis. In alcohol testing, an analytical procedure to determine whether an employee may have a prohibited concentration of alcohol in a breath specimen.

Transit System: The public entity that receives the federal grant (direct grant recipient), whether or not that recipient provides mass transit services directly.

Vehicle and Equipment Maintenance: Function including any person repairing or maintaining revenue service vehicles or other equipment used in revenue service.

Violation Rate: Refers to the sum of the annual number of results from random alcohol confirmation tests conducted under 49 CFR Part 655 that have alcohol concentrations of 0.04 or greater plus the annual number of refusals to submit to random alcohol tests, divided by the sum of the annual number of random alcohol screening tests conducted.

Verified Negative (drug test result): A drug test result reviewed by an MRO and determined to have no evidence of prohibited drug use.

Verified Positive (drug test result): A drug test result reviewed by an MRO and determined to have evidence of prohibited drug use.

