#### Quest Diagnostics Drug Testing Index<sup>™</sup> Full year 2023 tables Table 1. Annual Positivity Rates – Urine Drug Tests (For Combined U.S. Workforce)

Quest Diagnostics

(More than 8.4 million tests from January to December 2023)

| Year | Drug Positivity Rate |  |  |  |  |
|------|----------------------|--|--|--|--|
| 1988 | 13.6%                |  |  |  |  |
| 1989 | 12.7%                |  |  |  |  |
| 1990 | 11.0%                |  |  |  |  |
| 1991 | 8.8%                 |  |  |  |  |
| 1992 | 8.8%                 |  |  |  |  |
| 1993 | 8.4%                 |  |  |  |  |
| 1994 | 7.5%                 |  |  |  |  |
| 1995 | 6.7%                 |  |  |  |  |
| 1996 | 5.8%                 |  |  |  |  |
| 1997 | 5.0%                 |  |  |  |  |
| 1998 | 4.8%                 |  |  |  |  |
| 1999 | 4.6%                 |  |  |  |  |
| 2000 | 4.7%                 |  |  |  |  |
| 2001 | 4.6%                 |  |  |  |  |
| 2002 | 4.4%                 |  |  |  |  |
| 2003 | 4.5%                 |  |  |  |  |
| 2004 | 4.4%                 |  |  |  |  |
| 2005 | 4.0%                 |  |  |  |  |
| 2006 | 3.8%                 |  |  |  |  |
| 2007 | 3.8%                 |  |  |  |  |
| 2008 | 3.6%                 |  |  |  |  |
| 2009 | 3.6%                 |  |  |  |  |
| 2010 | 3.5%                 |  |  |  |  |
| 2011 | 3.5%                 |  |  |  |  |
| 2012 | 3.5%                 |  |  |  |  |
| 2013 | 3.7%                 |  |  |  |  |
| 2014 | 3.9%                 |  |  |  |  |
| 2015 | 4.0%                 |  |  |  |  |
| 2016 | 4.2%                 |  |  |  |  |
| 2017 | 4.2%                 |  |  |  |  |
| 2018 | 4.4%                 |  |  |  |  |
| 2019 | 4.5%                 |  |  |  |  |
| 2020 | 4.4%                 |  |  |  |  |
| 2021 | 4.6%                 |  |  |  |  |
| 2022 | 4.6%                 |  |  |  |  |
| 2023 | 4.6%                 |  |  |  |  |

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| Testing Category                                  | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|------|------|------|------|
| Federally Mandated,<br>Safety-Sensitive Workforce | 2.4% | 2.2% | 2.2% | 2.4% | 2.4% |
| General U.S. Workforce                            | 5.3% | 5.5% | 5.6% | 5.7% | 5.7% |
| Combined U.S. Workforce                           | 4.5% | 4.4% | 4.6% | 4.6% | 4.6% |

#### Table 3. Positivity Rates by Testing Reason – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce)

(More than 2.8 million tests from January to December 2023)

| Testing Reason | 2019  | 2020  | 2021  | 2022  | 2023  |
|----------------|-------|-------|-------|-------|-------|
| Follow-Up      | 5.1%  | 4.6%  | 4.3%  | 4.2%  | 3.8%  |
| For Cause      | 13.0% | 12.7% | 13.8% | 12.9% | 14.5% |
| Post-Accident  | 4.5%  | 4.3%  | 4.4%  | 4.5%  | 4.6%  |
| Pre-Employment | 2.4%  | 2.1%  | 2.3%  | 2.5%  | 2.5%  |
| Random         | 2.2%  | 2.0%  | 1.9%  | 1.9%  | 2.0%  |
| Return to Duty | 5.0%  | 4.5%  | 4.7%  | 4.9%  | 5.2%  |

### Table 4. Positivity Rates by Testing Reason – Urine Drug Tests(For General U.S. Workforce)

| Testing Reason | 2019  | 2020  | 2021  | 2022  | 2023  |
|----------------|-------|-------|-------|-------|-------|
| Follow-Up      | 8.3%  | 7.1%  | 7.1%  | 7.3%  | 8.8%  |
| For Cause      | 35.7% | 34.7% | 34.9% | 38.6% | 39.4% |
| Post-Accident  | 9.1%  | 9.5%  | 9.7%  | 10.3% | 10.4% |
| Pre-Employment | 4.9%  | 5.2%  | 5.4%  | 5.5%  | 5.4%  |
| Random         | 5.6%  | 5.8%  | 5.8%  | 5.9%  | 6.0%  |
| Return to Duty | 6.8%  | 6.2%  | 6.3%  | 7.0%  | 8.4%  |

### Table 5. Positivity Rates by Drug Category – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

| Drug Category                                 | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.011% | 0.008% | 0.005% | 0.003% | 0.003% |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 0.68%  | 0.64%  | 0.69%  | 0.75%  | 0.76%  |
| Cocaine                                       | 0.25%  | 0.20%  | 0.21%  | 0.21%  | 0.21%  |
| Marijuana                                     | 0.88%  | 0.79%  | 0.86%  | 0.98%  | 0.95%  |
| MDMA (MDMA/MDA)                               | 0.003% | 0.002% | 0.002% | 0.003% | 0.003% |
| Opiates<br>(Codeine/Morphine)                 | 0.12%  | 0.10%  | 0.08%  | 0.08%  | 0.07%  |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 0.35%  | 0.30%  | 0.27%  | 0.24%  | 0.22%  |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 0.26%  | 0.21%  | 0.20%  | 0.18%  | 0.18%  |
| PCP   | 0.011% | 0.011% | 0.010% | 0.009% | 0.008% |

(More than 2.8 million tests from January to December 2023)

# Table 6. Positivity Rates by Drug Category – Urine Drug Tests(For General U.S. Workforce, as a percentage of all such tests)

| Drug Category                                 | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.02%  | 0.018% | 0.013% | 0.006% | 0.005% |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 1.3%   | 1.3%   | 1.3%   | 1.5%   | 1.5%   |
| Barbiturates                                  | 0.20%  | 0.20%  | 0.18%  | 0.17%  | 0.15%  |
| Benzodiazepines                               | 0.43%  | 0.39%  | 0.36%  | 0.35%  | 0.34%  |
| Cocaine                                       | 0.27%  | 0.22%  | 0.21%  | 0.22%  | 0.24%  |
| Marijuana                                     | 3.1%   | 3.6%   | 3.9%   | 4.3%   | 4.5%   |
| MDMA (MDMA/MDA)                               | 0.008% | 0.010% | 0.005% | 0.004% | 0.005% |
| Methadone                                     | 0.16%  | 0.14%  | 0.13%  | 0.12%  | 0.12%  |
| Opiates                                       | 0.25%  | 0.21%  | 0.17%  | 0.16%  | 0.14%  |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 0.37%  | 0.33%  | 0.32%  | 0.32%  | 0.29%  |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 0.34%  | 0.29%  | 0.29%  | 0.28%  | 0.27%  |
| PCP   | 0.011% | 0.009% | 0.008% | 0.008% | 0.007% |
| Propoxyphene                                  | 0.000% | 0.001% | 0.000% | 0.000% | 0.000% |

#### Table 7. Positivity Rates by Drug Category – Urine Drug Tests (For Combined U.S. Workforce, as a percentage of all such tests)

| Drug Category                                 | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.015% | 0.011% | 0.008% | 0.004% | 0.004% |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 1.1%   | 1.1%   | 1.1%   | 1.2%   | 1.3%   |
| Barbiturates                                  | 0.20%  | 0.20%  | 0.18%  | 0.17%  | 0.15%  |
| Benzodiazepines                               | 0.43%  | 0.39%  | 0.36%  | 0.35%  | 0.34%  |
| Cocaine                                       | 0.26%  | 0.21%  | 0.21%  | 0.22%  | 0.23%  |
| Marijuana                                     | 2.5%   | 2.7%   | 2.9%   | 3.1%   | 3.1%   |
| MDMA (MDMA/MDA)                               | 0.005% | 0.006% | 0.004% | 0.003% | 0.004% |
| Methadone                                     | 0.16%  | 0.14%  | 0.13%  | 0.12%  | 0.12%  |
| Opiates                                       | 0.22%  | 0.17%  | 0.15%  | 0.14%  | 0.12%  |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 0.35%  | 0.31%  | 0.28%  | 0.26%  | 0.24%  |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 0.30%  | 0.24%  | 0.24%  | 0.23%  | 0.21%  |
| PCP   | 0.011% | 0.010% | 0.008% | 0.008% | 0.007% |
| Propoxyphene                                  | 0.000% | 0.001% | 0.000% | 0.000% | 0.000% |

(More than 8.4 million tests from January to December 2023)

### Table 8. Non-Negative Rates by Specimen Validity Test (SVT)<sup>2</sup> Category – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

(More than 2.8 million tests from January to December 2023)

| SVT Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|-----------------------|--------|--------|--------|--------|--------|
| Acid-Base             | 0.010% | 0.009% | 0.009% | 0.008% | 0.008% |
| Invalid               | 0.21%  | 0.20%  | 0.26%  | 0.30%  | 0.41%  |
| Oxidizing Adulterants | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Substitution          | 0.017% | 0.016% | 0.014% | 0.017% | 0.08%  |

<sup>2</sup>Specimen validity testing is the evaluation of a specimen to determine if it is consistent with a normal human specimen. Tests for specimen validity include tests to determine whether a specimen is adulterated or substituted.

## Table 9. Non-Negative Rates by Specimen Validity Test (SVT) Category – Urine Drug Tests (For General U.S. Workforce, as a percentage of all such tests)

| (More than 5.5 million tests from Janua | ary to December 2023) |
|---|-----------------------|
|---|-----------------------|

| SVT Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|-----------------------|--------|--------|--------|--------|--------|
| Acid-Base             | 0.009% | 0.009% | 0.009% | 0.009% | 0.008% |
| Invalid               | 0.18%  | 0.17%  | 0.26%  | 0.31%  | 0.45%  |
| Oxidizing Adulterants | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Substitution          | 0.015% | 0.012% | 0.013% | 0.015% | 0.11%  |

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### Table 10. Non-Negative Rates by Drug/SVT Category – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all non-negatives)

| Drug/SVT Category                             | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.40%  | 0.31%  | 0.18%  | 0.11%  | 0.11%  |
| Acid-Base                                     | 0.34%  | 0.35%  | 0.33%  | 0.29%  | 0.29%  |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 24.3%  | 25.9%  | 26.6%  | 26.8%  | 26.2%  |
| Cocaine                                       | 9.1%   | 8.1%   | 8.0%   | 7.6%   | 7.2%   |
| Invalid                                       | 7.5%   | 7.9%   | 10.0%  | 10.9%  | 14.1%  |
| Marijuana                                     | 31.5%  | 31.9%  | 33.1%  | 35.2%  | 32.9%  |
| MDMA (MDMA/MDA)                               | 0.09%  | 0.09%  | 0.08%  | 0.09%  | 0.10%  |
| Opiates<br>(Codeine/Morphine)                 | 4.2%   | 3.9%   | 3.1%   | 3.0%   | 2.4%   |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 12.3%  | 12.0%  | 10.2%  | 8.6%   | 7.6%   |
| Oxidizing Adulterants                         | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 9.3%   | 8.5%   | 7.5%   | 6.5%   | 6.0%   |
| PCP   | 0.41%  | 0.43%  | 0.38%  | 0.33%  | 0.29%  |
| Substituted                                   | 0.61%  | 0.65%  | 0.56%  | 0.60%  | 2.7%   |

(More than 80 thousand non-negative test results from January to December 2023)

## Table 11. Non-Negative Rates by Drug/SVT Category – Urine Drug Tests(For General U.S. Workforce, as a percentage of all non-negatives)

(More than 350 thousand non-negative test results from January to December 2023)

| Drug/SVT Category                             | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.09%  | 0.08%  | 0.06%  | 0.03%  | 0.03%  |
| Acid-Base                                     | 0.16%  | 0.15%  | 0.15%  | 0.14%  | 0.13%  |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 22.7%  | 21.5%  | 22.1%  | 23.6%  | 23.9%  |
| Barbiturates                                  | 2.2%   | 2.0%   | 1.9%   | 1.6%   | 1.4%   |
| Benzodiazepines                               | 4.6%   | 3.9%   | 3.7%   | 3.4%   | 3.1%   |
| Cocaine                                       | 4.7%   | 3.7%   | 3.4%   | 3.6%   | 3.7%   |
| Invalid                                       | 3.1%   | 3.0%   | 4.3%   | 5.0%   | 7.0%   |
| Marijuana                                     | 53.1%  | 57.8%  | 57.5%  | 56.1%  | 53.2%  |
| MDMA (MDMA/MDA)                               | 0.05%  | 0.06%  | 0.03%  | 0.03%  | 0.03%  |
| Methadone                                     | 1.7%   | 1.4%   | 1.3%   | 1.1%   | 1.1%   |
| Opiates                                       | 4.5%   | 3.5%   | 2.9%   | 2.6%   | 2.3%   |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 0.87%  | 0.91%  | 0.85%  | 0.91%  | 0.85%  |
| Oxidizing Adulterants                         | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 1.9%   | 1.6%   | 1.6%   | 1.6%   | 1.5%   |
| PCP   | 0.20%  | 0.16%  | 0.13%  | 0.12%  | 0.11%  |
| Propoxyphene                                  | 0.005% | 0.007% | 0.002% | 0.003% | 0.002% |
| Substituted                                   | 0.26%  | 0.21%  | 0.21%  | 0.24%  | 1.7%   |

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5

# Table 12. Non-Negative Rates by Drug/SVT Category – Urine Drug Tests (For Combined U.S. Workforce, as a percentage of all non-negatives)

| Drug/SVT Category                             | 2019   | 2020   | 2021   | 2022   | 2023   |
|---|--------|--------|--------|--------|--------|
| 6-AM  | 0.14%  | 0.12%  | 0.08%  | 0.04%  | 0.04%  |
| Acid-Base                                     | 0.19%  | 0.18%  | 0.17%  | 0.17%  | 0.16%  |
| Amphetamines<br>(Amphetamine/Methamphetamine) | 22.9%  | 22.2%  | 22.8%  | 24.2%  | 24.3%  |
| Barbiturates                                  | 1.8%   | 1.7%   | 1.6%   | 1.3%   | 1.2%   |
| Benzodiazepines                               | 3.9%   | 3.3%   | 3.1%   | 2.8%   | 2.5%   |
| Cocaine                                       | 5.4%   | 4.4%   | 4.1%   | 4.2%   | 4.4%   |
| Invalid                                       | 3.8%   | 3.8%   | 5.2%   | 6.0%   | 8.4%   |
| Marijuana                                     | 49.7%  | 53.6%  | 53.7%  | 52.6%  | 49.3%  |
| MDMA (MDMA/MDA)                               | 0.06%  | 0.07%  | 0.04%  | 0.04%  | 0.04%  |
| Methadone                                     | 1.4%   | 1.1%   | 1.1%   | 0.93%  | 0.89%  |
| Opiates                                       | 4.4%   | 3.6%   | 2.9%   | 2.6%   | 2.3%   |
| Opiates<br>(Hydrocodone/Hydromorphone)        | 2.7%   | 2.7%   | 2.3%   | 2.2%   | 2.1%   |
| Oxidizing Adulterants                         | 0.000% | 0.000% | 0.000% | 0.000% | 0.000% |
| Oxycodones<br>(Oxycodone/Oxymorphone)         | 3.1%   | 2.7%   | 2.5%   | 2.4%   | 2.4%   |
| PCP   | 0.23%  | 0.20%  | 0.17%  | 0.16%  | 0.14%  |
| Propoxyphene                                  | 0.004% | 0.006% | 0.002% | 0.003% | 0.002% |
| Substituted                                   | 0.31%  | 0.28%  | 0.26%  | 0.30%  | 1.9%   |

(Nearly 430 thousand non-negative test results from January to December 2023)

#### Table 13. Positivity Rates by Testing Category – Oral Fluid Drug Tests (For General U.S. Workforce)

(More than 1.3 million tests from January to December 2023)

| 2019  | 2020  | 2021 | 2022 | 2023 |
|-------|-------|------|------|------|
| 10.5% | 13.6% | 7.3% | 3.2% | 3.3% |

#### Table 14. Positivity Rates by Testing Reason – Oral Fluid Drug Tests (For General U.S. Workforce)

(More than 1.3 million tests from January to December 2023)

| Testing Reason | 2019  | 2020  | 2021 | 2022 | 2023  |
|----------------|-------|-------|------|------|-------|
| Post-Accident  | 5.4%  | 5.8%  | 8.5% | 9.9% | 10.9% |
| Pre-Employment | 10.7% | 13.9% | 7.1% | 2.8% | 3.0%  |
| Random         | 6.0%  | 5.6%  | 5.5% | 4.2% | 4.2%  |

#### Table 15. Positivity Rates by Drug Category – Oral Fluid Drug Tests(For General U.S. Workforce)

| Drug Category      | 2019  | 2020  | 2021  | 2022  | 2023  |
|--------------------|-------|-------|-------|-------|-------|
| Amphetamine        | 0.67% | 0.71% | 0.80% | 0.74% | 0.84% |
| Cocaine/Metabolite | 0.57% | 0.58% | 0.85% | 0.83% | 1.1%  |
| Marijuana          | 9.1%  | 12.3% | 14.8% | 10.4% | 9.9%  |
| Methamphetamine    | 0.49% | 0.53% | 0.67% | 0.70% | 0.66% |
| Opiates            | 0.35% | 0.31% | 0.27% | 0.22% | 0.17% |
| Oxycodones         | 0.28% | 0.24% | 0.24% | 0.23% | 0.20% |
| PCP                | 0.05% | 0.04% | 0.05% | 0.04% | 0.03% |

#### Table 16. Positivity Rates by Testing Category – Hair Drug Tests (For General U.S. Workforce)

(Nearly 73 thousand tests from January to December 2023)

| 2019  | 2020  | 2021  | 2022  | 2023  |
|-------|-------|-------|-------|-------|
| 11.2% | 12.8% | 13.1% | 13.1% | 15.5% |

### Table 17. Positivity Rates by Testing Reason – Hair Drug Tests(For General U.S. Workforce)

(Nearly 73 thousand tests from January to December 2023)

| Testing Reason | 2019  | 2020  | 2021  | 2022  | 2023  |
|----------------|-------|-------|-------|-------|-------|
| Pre-Employment | 9.0%  | 9.8%  | 10.1% | 9.9%  | 12.5% |
| Random         | 12.0% | 16.7% | 18.3% | 19.8% | 19.1% |

#### Table 18a. Positivity Rates by Drug Category – Hair Drug Tests(For General U.S. Workforce)

(Old Technology)

| Drug Category                     | 2019   | 2020  | 2021   |
|-----------------------------------|--------|-------|--------|
| Amphetamines<br>(Methamphetamine) | 2.4%   | 2.6%  | 2.4%   |
| Cocaine                           | 3.2%   | 3.2%  | 2.8%   |
| Marijuana                         | 7.1%   | 8.7%  | 9.8%   |
| Opiates                           | 0.32%  | 0.29% | 0.20%  |
| PCP                               | 0.012% | 0.03% | 0.012% |

## Table 18b. Positivity Rates by Drug Category – Hair Drug Tests(For General U.S. Workforce)

(Nearly 73 thousand tests from January to December 2023 – New Technology)

| Drug Category                       | 2021  | 2022  | 2023  |
|-------------------------------------|-------|-------|-------|
| 6-AM                                | 0.08% | 0.05% | 0.04% |
| Amphetamine                         | 1.8%  | 1.7%  | 1.6%  |
| Benzoylecgonine                     | 1.1%  | 1.1%  | 1.3%  |
| Cocaine                             | 2.7%  | 2.9%  | 3.4%  |
| Marijuana                           | 9.5%  | 10.3% | 12.5% |
| MDA                                 | 0.03% | 0.02% | 0.02% |
| MDMA                                | 0.13% | 0.08% | 0.09% |
| Methamphetamine                     | 2.1%  | 1.9%  | 1.8%  |
| Opiates<br>(Codeine/Hydrocodone)    | 0.37% | 0.29% | 0.24% |
| Opiates<br>(Morphine/Hydromorphone) | 0.06% | 0.04% | 0.03% |
| Oxycodone                           | 0.60% | 0.56% | 0.45% |
| Oxymorphone                         | 0.03% | 0.05% | 0.03% |
| PCP                                 | 0.02% | 0.02% | 0.02% |

### Table 19. Post-Accident vs. Pre-Employment Positivity Rates for Marijuana – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

| Drug Category          | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023  |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pre-Employment (PE)    | 0.90% | 0.93% | 0.99% | 1.0%  | 1.0%  | 0.95% | 1.1%  | 1.3%  | 1.2%  |
| Post-Accident (PA)     | 1.1%  | 1.2%  | 1.3%  | 1.5%  | 1.6%  | 1.6%  | 1.8%  | 2.1%  | 2.2%  |
| % Difference PE vs. PA | 22.2% | 29.0% | 31.3% | 50.0% | 60.0% | 68.4% | 63.6% | 61.5% | 83.3% |

(More than 2.8 million tests from January to December 2023)

### Table 20. Post-Accident vs. Pre-Employment Positivity Rates for Marijuana – Urine Drug Tests (For General U.S. Workforce, as a percentage of all such tests)

(More than 5.5 million tests from January to December 2023)

| Drug Category          | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023  |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Pre-Employment (PE)    | 2.3%  | 2.4%  | 2.6%  | 2.8%  | 3.1%  | 3.7%  | 4.1%  | 4.6%  | 4.8%  |
| Post-Accident (PA)     | 3.5%  | 3.8%  | 4.2%  | 4.8%  | 5.7%  | 6.4%  | 6.7%  | 7.3%  | 7.5%  |
| % Difference PE vs. PA | 52.2% | 58.3% | 61.5% | 71.4% | 83.9% | 73.0% | 63.4% | 58.7% | 56.3% |

## Table 21. Post-Accident vs. Pre-Employment Positivity Rates for Cocaine – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

(More than 2.8 million tests from January to December 2023)

| Drug Category          | 2019  | 2020   | 2021   | 2022   | 2023   |
|------------------------|-------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.27% | 0.21%  | 0.21%  | 0.21%  | 0.21%  |
| Post-Accident (PA)     | 0.47% | 0.44%  | 0.46%  | 0.43%  | 0.46%  |
| % Difference PE vs. PA | 74.1% | 109.5% | 119.0% | 104.8% | 119.0% |

### Table 22. Post-Accident vs. Pre-Employment Positivity Rates for Cocaine – Urine Drug Tests (For General U.S. Workforce, as a percentage of all such tests)

| Drug Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|------------------------|--------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.23%  | 0.18%  | 0.18%  | 0.20%  | 0.21%  |
| Post-Accident (PA)     | 0.73%  | 0.63%  | 0.66%  | 0.66%  | 0.71%  |
| % Difference PE vs. PA | 217.4% | 250.0% | 266.7% | 230.0% | 238.1% |

# Table 23. Post-Accident vs. Pre-Employment Positivity Rates for Opiates(Hydrocodone/Hydromorphone) – Urine Drug Tests(For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

| Drug Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|------------------------|--------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.27%  | 0.22%  | 0.21%  | 0.18%  | 0.17%  |
| Post-Accident (PA)     | 0.89%  | 0.81%  | 0.75%  | 0.68%  | 0.60%  |
| % Difference PE vs. PA | 229.6% | 268.2% | 257.1% | 277.8% | 252.9% |

(More than 2.8 million tests from January to December 2023)

# Table 24. Post-Accident vs. Pre-Employment Positivity Rates for Opiates(Hydrocodone/Hydromorphone) – Urine Drug Tests(For General U.S. Workforce, as a percentage of all such tests)

(More than 5.5 million tests from January to December 2023)

| Drug Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|------------------------|--------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.26%  | 0.23%  | 0.24%  | 0.24%  | 0.20%  |
| Post-Accident (PA)     | 1.1%   | 0.95%  | 1.0%   | 1.0%   | 0.91%  |
| % Difference PE vs. PA | 323.1% | 313.0% | 316.7% | 316.7% | 355.0% |

#### Table 25. Post-Accident vs. Pre-Employment Positivity Rates for Oxycodones (Oxycodone/Oxymorphone) – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all such tests)

(More than 2.8 million tests from January to December 2023)

| Drug Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|------------------------|--------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.22%  | 0.17%  | 0.17%  | 0.16%  | 0.15%  |
| Post-Accident (PA)     | 0.58%  | 0.52%  | 0.50%  | 0.44%  | 0.49%  |
| % Difference PE vs. PA | 163.6% | 205.9% | 194.1% | 175.0% | 226.7% |

# Table 26. Post-Accident vs. Pre-Employment Positivity Rates for Oxycodones (Oxycodone/Oxymorphone) – Urine Drug Tests (For General U.S. Workforce, as a percentage of all such tests)

(More than 5.5 million tests from January to December 2023)

| Drug Category          | 2019   | 2020   | 2021   | 2022   | 2023   |
|------------------------|--------|--------|--------|--------|--------|
| Pre-Employment (PE)    | 0.28%  | 0.24%  | 0.24%  | 0.24%  | 0.23%  |
| Post-Accident (PA)     | 0.77%  | 0.62%  | 0.72%  | 0.69%  | 0.65%  |
| % Difference PE vs. PA | 175.0% | 158.3% | 200.0% | 187.5% | 182.6% |

11

#### Table 27. Marijuana Positivity by 2023 State Legalized Use Status – Urine Drug Tests (For Federally Mandated, Safety-Sensitive Workforce, as a percentage of all tests for Marijuana Metabolite)

| Drug Category                           | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Recreational Use                        | 0.72% | 0.81% | 0.87% | 0.93% | 0.94% | 0.86% | 0.94% | 1.1%  | 1.1%  |
| Medical Use Only                        | 0.74% | 0.81% | 0.85% | 0.87% | 0.92% | 0.81% | 0.85% | 0.90% | 0.88% |
| Neither Recreational<br>nor Medical Use | 0.69% | 0.75% | 0.83% | 0.88% | 0.83% | 0.73% | 0.79% | 0.89% | 0.83% |
| National                                | 0.71% | 0.78% | 0.84% | 0.88% | 0.88% | 0.79% | 0.86% | 0.98% | 0.95% |

(More than 2.8 million tests from January to December 2023)

#### Table 28. Marijuana Positivity by 2023 State Legalized Use Status - Urine Drug Tests (For General U.S. Workforce, as a percentage of all tests for Marijuana Metabolite)

| Drug Category                        | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|
| Recreational Use                     | 2.4% | 2.6% | 2.7% | 3.1% | 3.8% | 4.4% | 5.1% | 5.7% | 5.8% |
| Medical Use Only                     | 2.1% | 2.1% | 2.2% | 2.5% | 2.8% | 3.2% | 3.6% | 3.9% | 4.0% |
| Neither Recreational nor Medical Use | 2.6% | 2.7% | 2.8% | 2.7% | 2.7% | 3.0% | 3.0% | 3.1% | 3.3% |
| National                             | 2.4% | 2.5% | 2.6% | 2.8% | 3.1% | 3.6% | 3.9% | 4.3% | 4.5% |