

2018 Lobbying Expenditures by Certain Trade Associations

| Trade Association Name | Amount of Dues uses for non-deductible lobbying expenses |
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| Pharmaceutical Research and Manufacturers of America (PhRMA) | \$988,000 |
| Biotechnology Industry Organization (BIO) | \$200,000 |
| The Healthcare Institute of New Jersey (HINJ) | \$3,100 |
| Massachusetts Biotechnology Council (MassBIO) | \$3,500 |
| National Association of Manufacturers (NAM) | \$29,000 |
| California Healthcare Institute (CHI) | \$10,000 |
| Total | \$1,233,600 |

YTD: December 31, 2018