

**Graduate Assistance in Areas of National Need, 2003-04
Summary of Efficiency Measure Calculations**

| Category criteria | Total federal obligation | Number of grants | Efficiency measure: average federal cost per successful outcome | Average total cost per successful outcome | Average success rate | Average federal fellowship | Average number of successful outcomes | Average federal obligation | Average actual GAANN fellows |
|---|--------------------------|------------------|---|---|----------------------|----------------------------|---------------------------------------|----------------------------|------------------------------|
| Overall | \$53,834,082 | 120 | \$67,461 | \$92,067 | 49% | \$32,806 | 7 | \$448,617 | 14 |
| Range (minimum to maximum) | | | \$13,504 to \$830,671 | \$16,880 to \$1,039,013 | 0% to 100% | \$8,191 to \$90,946 | 0 to 37 | \$241,587 to \$983,605 | 4 to 61 |
| Success rate | | | | | | | | | |
| High Success Rate (>75%) | \$12,070,796 | 26 | \$43,894 | \$62,692 | 86% | \$37,839 | 11 | \$464,261 | 12 |
| Medium Success Rate | \$28,394,350 | 65 | \$64,386 | \$86,828 | 53% | \$33,965 | 7 | \$436,836 | 13 |
| Low Success Rate (<29%) | \$13,368,935 | 29 | \$163,036 | \$218,755 | 17% | \$27,508 | 3 | \$460,998 | 17 |
| Average total fellowship amount | | | | | | | | | |
| High Cost (> \$75,917) | \$12,745,843 | 30 | \$98,805 | \$144,575 | 62% | \$61,574 | 4 | \$424,861 | 7 |
| Medium Cost | \$27,318,133 | 60 | \$77,608 | \$105,899 | 51% | \$39,591 | 6 | \$455,302 | 12 |
| Low Cost (< \$36,373) | \$13,770,106 | 30 | \$43,439 | \$55,341 | 43% | \$18,508 | 11 | \$459,004 | 25 |
| Actual GAANN fellows | | | | | | | | | |
| High Number (> 16) | \$15,890,235 | 28 | \$51,259 | \$68,384 | 41% | \$21,019 | 11 | \$567,508 | 27 |
| Medium Number | \$28,378,306 | 64 | \$72,394 | \$98,679 | 54% | \$39,305 | 6 | \$443,411 | 11 |
| Low Number (< 8) | \$9,565,541 | 28 | \$99,641 | \$141,545 | 59% | \$58,684 | 3 | \$341,626 | 6 |
| Academic program | | | | | | | | | |
| Biology (BIO) | \$8,355,146 | 15 | \$65,275 | \$86,202 | 48% | \$31,410 | 9 | \$557,010 | 18 |
| Chemistry (CHEM) | \$10,334,828 | 21 | \$53,548 | \$73,891 | 62% | \$33,338 | 9 | \$492,135 | 15 |
| Computer and information sciences (CIS) | \$2,752,675 | 7 | \$125,122 | \$178,579 | 32% | \$39,894 | 3 | \$393,239 | 10 |
| Engineering (ENGR) | \$6,630,941 | 17 | \$75,352 | \$105,719 | 44% | \$32,826 | 5 | \$390,055 | 12 |
| Geological and related sciences (GEO) | \$1,147,926 | 3 | \$40,997 | \$51,361 | 54% | \$22,075 | 9 | \$382,642 | 17 |
| Mathematics (MATH) | \$6,717,720 | 16 | \$69,255 | \$98,760 | 46% | \$31,838 | 6 | \$419,858 | 13 |
| Physics (PHY) | \$6,752,437 | 15 | \$69,613 | \$94,784 | 49% | \$33,762 | 6 | \$450,162 | 13 |
| Interdisciplinary (INTER) | \$9,501,324 | 21 | \$74,229 | \$97,159 | 44% | \$32,991 | 6 | \$452,444 | 14 |
| Multidisciplinary (MULTI) | \$1,641,086 | 5 | \$96,534 | \$134,987 | 40% | \$38,165 | 3 | \$328,217 | 9 |
| Degree of urbanization | | | | | | | | | |
| Large city | \$16,581,828 | 36 | \$66,862 | \$94,692 | 52% | \$34,909 | 7 | \$460,606 | 13 |
| Mid-size city | \$21,440,100 | 49 | \$60,225 | \$80,191 | 47% | \$28,435 | 7 | \$437,553 | 15 |
| Urban fringe of large city | \$4,838,579 | 11 | \$115,204 | \$151,690 | 33% | \$38,401 | 4 | \$439,871 | 11 |
| Urban fringe of mid-size city | \$4,675,900 | 8 | \$80,619 | \$108,900 | 42% | \$34,131 | 7 | \$584,488 | 17 |
| Large town | \$2,426,778 | 6 | \$59,190 | \$82,623 | 64% | \$37,918 | 7 | \$404,463 | 11 |
| Small town | \$2,891,908 | 8 | \$82,626 | \$109,074 | 60% | \$49,860 | 4 | \$361,488 | 7 |
| Rural | \$499,644 | 1 | \$41,637 | \$78,887 | 63% | \$26,297 | 12 | \$499,644 | 19 |

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|---|--------------------------|------------------|---|---|----------------------|----------------------------|---------------------------------------|----------------------------|------------------------------|
| Size of institution | | | | | | | | | |
| Very Large (> 20,000) | \$29,482,354 | 62 | \$75,019 | \$100,764 | 41% | \$30,872 | 6 | \$475,522 | 15 |
| Large (10,001 - 20,000) | \$16,857,810 | 39 | \$59,150 | \$82,418 | 58% | \$34,264 | 7 | \$432,252 | 13 |
| Medium (5,001 - 10,000) | \$6,068,445 | 15 | \$58,350 | \$80,277 | 66% | \$38,408 | 7 | \$404,563 | 11 |
| Small (<= 5,000) | \$1,425,473 | 4 | \$89,092 | \$126,979 | 44% | \$39,596 | 4 | \$356,368 | 9 |
| Institution control/affiliation | | | | | | | | | |
| Public | \$36,360,054 | 80 | \$67,836 | \$90,021 | 43% | \$29,489 | 7 | \$454,501 | 15 |
| Private not-for-profit (no religious affiliation) | \$13,480,023 | 31 | \$59,911 | \$89,067 | 69% | \$41,605 | 7 | \$434,839 | 10 |
| Private not-for-profit (religious affiliation) | \$3,994,004 | 9 | \$107,946 | \$139,951 | 44% | \$47,548 | 4 | \$443,778 | 9 |
| 2000-04 Average graduate tuition & fees | | | | | | | | | |
| High Cost (> \$19,711) | \$13,387,033 | 30 | \$60,575 | \$90,422 | 67% | \$40,814 | 7 | \$446,234 | 11 |
| Medium Cost | \$26,489,902 | 59 | \$72,180 | \$95,220 | 42% | \$30,274 | 6 | \$448,981 | 15 |
| Low Cost (< \$5,114) | \$13,957,147 | 31 | \$66,463 | \$88,289 | 48% | \$31,866 | 7 | \$450,231 | 14 |
| Percent minority graduate students (science, engineering, and math programs) | | | | | | | | | |
| High enrollment (> 18%) | \$12,877,469 | 29 | \$71,541 | \$92,650 | 34% | \$24,575 | 6.2 | \$444,051 | 18 |
| Medium enrollment | \$24,770,376 | 54 | \$64,006 | \$88,327 | 55% | \$35,135 | 7.2 | \$458,711 | 13 |
| Low enrollment (< 10%) | \$15,428,789 | 35 | \$69,187 | \$97,114 | 56% | \$38,476 | 6.4 | \$440,823 | 11 |