## PRELIMINARY DRAFT

## 2010 Survey of Public Health Workers: Findings

## Study Population:

In 2010 the Council on Linkages Between Academia and Public Health Practice, which is staffed b the Public Health Foundation, and the University of Kentucky joined together on the National Pipeline Survey to ask governmental public health workers employing Training Finder Real-time Affiliate Integrated Network (TRAIN), an online training system developed by the Public Health Foundation (PHF) TRAIN currently serves as the most widely used online learning system in public health. Currently 22 states' public health departments use TRAIN with more than 300,000 individual users located in all 50 states and a number of other countries.

Sampled governmental public health workers responded online to the Council of Linkages National Pipeline Survey, a recruitment and retention survey conducted in the spring and summer of 2010 and focusing on factors influencing the workers' decision to join and remain in the public health field. Drawing upon over 300,000 past and present users of the TRAIN online learning and training system, the researchers applied a filter to extract 82,209 users who could be identified in the system as governmental public health workers. Survey invitations to 11,820 of these users' email addresses, however, proved to be undeliverable. This left a sampling frame made up of $70,315 \mathrm{U} . \mathrm{S}$. governmental public health workers identified among TRAIN users. The researchers then approached each of the 22 states who use TRAIN to seek the states' participation in the survey.

Additionally, a systemic random sample of 3,000 users was drawn from the 70,389 users in the sampling frame. These 3,000 invited participants were tracked and sent a special web address to access the online survey. The goal of the sampling approach was to achieve a minimum of 400 completed responses so as to have a nationally representative sample with a confidence level of $95 \%$ with a margin of error no greater than $+/-5 \%$. The sample of 3,000 invited participants represents an over-sampling to account for low response rates and inactive email accounts. This cross-sectional study employed descriptive statistics and multivariate analyses using SPSS version 18.0. In total 11,637 individual participated in the survey with 7559 indicating themselves as governmental public health workers as indicated by Table 1. Generally there were no significant differences between the large group and random sample population.

Table 1: Response Rate

| Survey Deployed to | 82,209 |
| :--- | :--- |
| Survey Received by | 70,315 |
| Number of Respondents | 11,637 (7559) |
| Target Response Rate | $20 \%$ |
| Actual Response Rate | $17 \%$ |

Governmental Respondents

## Demographics of Survey and Governmental Respondents:

The most typical respondent of the Pipeline Survey consisted of a 48 year old, white, nonHispanic, female, nurse who has worked a mean of 12.61 years as a public health professional including a mean of 11.06 years at her current public health agency. Thus, respondents' mean age are 47.27 years, and $78 \%$ of the respondents report being female. In terms of ethnicity, $7 \%$ of respondents selfidentify as Hispanic, Latino or of Spanish origin and, as shown in Table 5, almost 4 out of 5 respondents describe themselves as White. Respondents answered from 40 of the 50 states as well as the District of Columbia. The majority of respondents were registered via the 22 states which regularly utilize the TRAIN system. Of these respondents $55 \%$ were from the states of AR, KS, KY, OH, OK, TX, VA, WI.

Table 2: Current Work Setting

| Work Setting | $\mathrm{N}=11637$ |
| :--- | :--- |
| State Government | $\mathbf{4 6 \%}(55 \%)^{*}$ |
| Local Government | $\mathbf{2 7 \%}(33 \%)^{*}$ |
| Healthcare | $\mathbf{2 6 \%}(19 \%)^{*}$ |
| Nonprofit Organization | $\mathbf{1 0 \%}(5 \%)^{*}$ |
| Academia | $\mathbf{7 \%}(4 \%)^{*}$ |
| Private Industry | $\mathbf{3 \%}(1 \%)^{*}$ |
| Federal Government | $\mathbf{3 \%}(4 \%)^{*}$ |
| Self Employed | $\mathbf{2 \%}(1 \%)^{*}$ |
| Tribal or Territorial | $\mathbf{1 \% ~ ( 1 \% ) ^ { * }}$ |
| Unemployed | $\mathbf{3 \% ~ ( 1 \% ) ^ { * }}$ |

Governmental Respondents
Over half of governmental respondents work for a state public health agency. Another third works for a local public health agency. Almost a third of respondents (31.4\%) reports working in an agency serving fewer than 50,000 people.

Table3: Current Professional Roles

| Nurse | $26 \%$ |
| :--- | :--- |


| Administrator/Director/Manager | $21 \%$ |
| :--- | :--- |
| Administrative Support | $15 \%$ |
| Health Educator | $12 \%$ |
| Non-clinical Public Health Service Provider | $12 \%$ |
| Emergency Responder/Planner | $10 \%$ |
| Allied Health Professional | $7 \%$ |
| Environmental Health Specialist | $6 \%$ |
| Faculty/Educator | $4 \%$ |
| Data Analyst | $3 \%$ |
| Physician, Student | $2 \%$ each |

Making up 26\% of respondents, nursing represents the most common professional role held by surveyed workers with over a fifth (21\%) of respondents also listing they serve as an administrator or manager. The mean length of service in public health is 12.61 years with respondents reporting they have worked a mean of 11.06 years for their current agency. Prior to taking their current position, respondents report being in a range of activities with higher education (26.4\%) and healthcare services (20.0\%) the most commonly listed. The most commonly reported setting prior to entering public health for governmental public health respondents included healthcare services (31\%) and private sector organizations (23\%).

Table 4: Where Respondents Were Prior to Entering Public Health

| School | High School - 2\% (4\%)* <br> Associate Program - 3\% (5\%)* <br> Undergraduate Program - 9\% (14\%)* <br> Graduate Program - 8\% (12\%)* <br> Doctoral/Advanced Program - 2\% (4\%)* |
| :---: | :---: |
| Employment | Healthcare - 20\% (31\%)* <br> Private Sector Org - 15\% (23\%)* <br> Governmental Agency - 7\% (10\%)* <br> Nonprofit Org - 7\% (10\%)* <br> Academic Org - 4\% (6\%)* <br> Self-Employed - 3\% (4\%)* |
| Retired <br> Unemployed | $\begin{aligned} & 1 \%(1 \%)^{*} \\ & 4 \%(6 \%)^{*} \end{aligned}$ |

Governmental Respondents
Sixty-five percent of workers report they had a bachelor's degree or higher when starting their careers in public health. By the time of the survey, $70 \%$ of workers report they have completed a bachelors degree or higher. In terms of a graduate degree, $26 \%$ of respondents began their public health careers with a masters degree or higher. At the time they answered the Pipeline survey, an additional 9\% had completed a graduate degree. The highest increase in education was for those receiving a Master's degree (Table 5). These findings suggest that workers continue to pursue education during their careers in public health.

Table 5: Demographic Characteristics of Pipeline Survey Respondents

| Race and Ethnicity | Percentage |
| :--- | ---: |
| American Indian or Alaska Native |  |
| Asian | $2 \%$ |


| Black or African American |  | 8\% |
| :---: | :---: | :---: |
| Native Hawaiian or other Pacific Islander |  | 1\% |
| White |  | 78\% |
| Hispanic/Latino/Spanish |  | 7\% |
| Educational Level | Highest Level Completed When First Became a Public Health Professional | Highest <br> Currently <br> Completed |
| High School | 16\% (13\%) | 13\% (10\%) |
| Associate degree | 20\% (17\%) | 19\% (15\%) |
| Bachelors degree in public health | 4\% (5\%) | 3\% (4\%) |
| Other bachelors degree | 36\% (40\%) | 32\% (34\%) |
| Masters degree in public health | 5\% (6\%) | 8\% (10\%) |
| Other masters degree | 13\% (13\%) | 18\% (19\%) |
| Doctoral degree in public health | <1\% (<1\%) | 1\% (1\%) |
| Other doctoral degree | 2\% (2\%) | 2\% (3\%) |
| Other advanced degree (e.g. MD, JD,etc.) | 4\% (4\%) | 5\% (5\%) |
| Governmental Respondents |  |  |

As shown in Table 6 of rank of mean respondent ratings, respondents list specific work function/activities involved in their current position as the highest rated reason behind initially taking their current job. Respondents' rate job security, competitive benefits, and identifying with the mission of the organization among the greatest influences on their decision to initially take their current job. The ability to telecommute rated least important in recruitment among total respondents, but this factor did rate higher among younger workers in their 20 s . Factors external to the position and agency such as a desire to live in a particular climate or close to family also rated fairly high. Perhaps in part influenced by the timing of this survey's administration during a national recession, job security has the second highest mean for recruitment influences and the highest mean for retention factors. Interestingly, benefits also rate considerably higher than competitive salaries for public health workers. In fact, competitive salaries rate $12^{\text {th }}$ out of 19 factors.

Table 6: Factors Influencing Decision to Work with Current Employer

| FACTORS | Entering | Remaining |
| :---: | :---: | :---: |
| Specific Work Functions or Activities Involved in Current Position | 1 | 2 |
| > Job Security | 2 | 1 |
| > Competitive Benefits | 3 | 3 |
| > Identifying with the Mission of the Organization | 4 | 4 |
| $>$ Enjoy living in the area (e.g. climate, amenities, culture) | 5 | 6 |
| > Personal commitment to public service | 6 | 5 |
| > Wanted to live close to family and friends | 7 | 8 |
| - Wanted a job in the public health field |  | 9 |
| $>$ Future Opportunities for Training/Continuing Education | 9 | 10 |
| > Flexibility of Work Schedule | 10 | 7 |
| > Ability to Innovate | 11 | 11 |
| > Competitive Salary | 12 | 14 |
| > Future Opportunities for Promotion | 13 | 15 |
| > Autonomy/Employee empowerment | 14 | 13 |
| Needed a job, but it didn't matter if it was in public health | 15 | 16 |
| > Immediate Opportunity for Advancement/Promotion | 16 | 17 |


| $>$ Wanted to work with specific individual(s) | 17 | 12 |
| :--- | :--- | :--- |
| $>$Family member/role model was/is working in public <br> health | 18 | 19 |
| $>$ Ability to Telecommute | 19 | 18 |

## Retention:

The same factors highly influencing recruitment remain highly rated in terms of influencing retention (Table 6). Of note, however, are several trends. First, the workers answering this survey have been retained in public health. This survey lacks information on those individuals who have left the public health field. Retained workers rate their personal commitment to public service higher compared to when they initially took their jobs. The data reveal a trend towards valuing stability in terms of other highly rated factors: a) job security, b) enjoying living in an area, and c) living near family. Perhaps because many of these respondents are mid-career, they now rate opportunities for advancement future and immediate- lower now compared to when they began work.

## Gender Differences:

Analysis of the data using a Chi-square procedure finds several statistically significant differences between female and male respondents. Women rate opportunities for training ( $\mathrm{p}=.013$ ) significantly more important as a recruitment factor. Women likewise rate several retention factors as more important than male respondents: autonomy/employee empowerment ( $p=.047$ ), specific work functions ( $p=.003$ ), and wanting a job specifically in public health ( $p=0.23$ ). On the other hand, men rate living near family and friends ( $p=.024$ ), working with a specific person ( $p=.033$ ), and personal commitment to public service ( $\mathrm{p}=0.33$ ) highly as retention factors.

## Age and Length of Employment Differences:

Younger workers rate several factors as more important to their recruitment and retention than older workers. The factors that were more important to those in their 20 s and 30 s included the ability to advance and job security. While older workers rate three factors -1 ) personal commitment to public service 2) identification with an agency's mission, and 3) specific duties related to job higher than their younger co-workers. These trends were also reflected in comparison in the factors influencing decision to work with current government employer by years spent as an employee of a governmental public health agency (Tables 7 and 8).

Table 7-Average rating factors influencing decision to work with current government employer by years spent as an employee of a governmental public health agency

| How much did these factors influence your decision to take your first position with your current employer decision to work with current employer | In total, how many years have you spent as an employee of a governmental public health agency |  |  |  |  | pvalue |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | <5 | 5-9 | 10-19 | 20+ | F |  |
|  | 6.69 | 6.81 | 6.94 | 6.85 | 2.176 | 0.089 |
| Flexible work schedule | 5.45 | 5.10 | 5.06 | 4.88 | 7.911 | <0.001 |
| Ability to work from home | 1.51 | 1.33 | 1.13 | 0.85 | 21.524 | <0.001 |
| Autonomy/Employee empowerment | 4.55 | 4.19 | 4.06 | 3.79 | 14.859 | <0.001 |
| Specific duties and responsibilities | 6.99 | 6.89 | 6.91 | 6.88 | 0.519 | 0.669 |
| Identifying with the mission of the organization | 6.61 | 6.39 | 6.46 | 6.46 | 1.670 | 0.171 |
| Ability to innovate | 5.42 | 5.18 | 5.04 | 5.03 | 5.652 | 0.001 |
| Immediate opportunity for advancement/promotion | 3.80 | 3.50 | 3.61 | 3.44 | 4.364 | 0.004 |
| Future opportunities for promotion | 5.03 | 4.62 | 4.56 | 4.40 | 11.521 | <0.001 |
| Opportunities for training/continuing education | 6.07 | 5.52 | 5.50 | 5.38 | 16.684 | <0.001 |
| Competitive salary | 4.89 | 4.67 | 4.40 | 4.44 | 8.436 | <0.001 |
| Competitive benefits | 6.78 | 6.76 | 6.93 | 6.83 | 1.204 | 0.307 |
| Enjoy living in the area (e.g. climate, amenities, culture) | 5.82 | 5.11 | 6.06 | 6.39 | 7.473 | <0.001 |
| Wanted to live close to family and friends | 5.66 | 5.79 | 5.79 | 6.00 | 2.245 | 0.081 |
| Wanted to work with specific individual(s) | 3.13 | 3.13 | 3.07 | 2.93 | 1.316 | 0.267 |
| Wanted a job in the public health field | 5.88 | 5.70 | 5.97 | 6.16 | 4.526 | 0.004 |
| Needed a job, but it didn't matter if it was in public health | 3.99 | 3.94 | 3.77 | 3.87 | 1.236 | 0.295 |
| Personal commitment to public service | 6.23 | 6.10 | 6.17 | 6.14 | 0.404 | 0.750 |
| Family member/role model was/is working in public health | 1.51 | 1.51 | 1.58 | 1.73 | 2.199 | 0.86 |

Table 8-Average rating factors influencing decision to work with current government employer by years spent as an employee of a governmental public health agency

| How much did these factors influence your decision to take your first position with your current employer decision to remain working with current employer <br> Job Security | In total, how many years have you spent as an employee of a GOVERNMENTAL public health agency |  |  |  | F | pvalue |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | <5 | 5-9 | 10-19 | 20+ |  |  |
|  | 7.20 | 7.31 | 7.60 | 7.80 | 15.001 | <0.001 |
| Flexible work schedule | 6.12 | 5.92 | 6.15 | 6.00 | 1.512 | 0.209 |
| Ability to work from home | 1.98 | 2.01 | 1.80 | 1.60 | 6.124 | <0.001 |
| Autonomy/Employee empowerment | 5.13 | 4.92 | 5.04 | 4.10 | 1.106 | 0.345 |
| Specific duties and responsibilities | 6.79 | 6.84 | 6.97 | 7.18 | 6.376 | <0.001 |
| Identifying with the mission of the organization | 6.60 | 6.45 | 6.82 | 7.00 | 9.910 | <0.001 |
| Ability to innovate | 5.53 | 5.50 | 5.53 | 5.77 | 2.496 | 0.058 |
| Immediate opportunity for advancement/promotion | 3.56 | 3.19 | 3.00 | 2.76 | 19.539 | <0.001 |
| Future opportunities for promotion | 4.62 | 4.03 | 3.55 | 3.12 | 61.395 | <0.001 |
| Opportunities for training/continuing education | 6.17 | 5.51 | 5.56 | 5.37 | 19.413 | <0.001 |
| Competitive salary | 5.02 | 4.88 | 4.79 | 4.77 | 1.963 | 0.117 |
| Competitive benefits | 6.77 | 6.75 | 6.90 | 7.08 | 3.939 | 0.008 |
| Enjoy living in the area (e.g. climate, amenities, culture) | 6.14 | 6.47 | 6.60 | 6.93 | 14.691 | <0.001 |
| Wanted to live close to family and friends | 5.94 | 6.09 | 6.33 | 6.48 | 6.930 | <0.001 |
| Wanted to work with specific individual(s) | 5.10 | 4.91 | 5.14 | 5.09 | 1.264 | 0.285 |
| Wanted a job in the public health field | 5.99 | 5.88 | 6.40 | 6.67 | 17.934 | <0.001 |
| Needed a job, but it didn't matter if it was in public health | 3.92 | 3.70 | 3.26 | 3.03 | 21.313 | <0.001 |
| Personal commitment to public service | 6.47 | 6.48 | 6.88 | 7.17 | 19.411 | <0.001 |


| Family member/role model was/is working in <br> public health | 1.55 | 1.47 | 1.42 | 1.41 | 1.003 | 0.390 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Differences by Race:

Analysis of the data by race also finds some statistically significant differences among workers, but these differences only emerge among retention factors. No differences by race emerge in terms of recruitment factors. Also, too few Native Hawaiian and Pacific Islander workers responded to include in analyses.

African-American respondents significantly rate the ability to work from home as more important than Native American workers with Asian and White workers' responses. The other three statistically significant differences reflect higher ratings by Asian respondents than the other three racial groups. Asian workers rate immediate opportunities for promotion, future opportunities for promotion and living near family and friends significantly higher than other groups.

Differences between Hispanic and non-Hispanic Respondents: Analysis by a Chi-square procedure of the data found six statistically significant differences between respondents who report their ethnicity as Hispanic or not. Hispanic respondents report flexibility of work schedule the ability to work from home, and having a family member or role model working in public health, are more important recruitment factors than for their non-Hispanic peers. In terms of retention, Hispanic workers rate the ability to innovate wanting a job in public health and having a role model or family member in public health as more important.

## Other Findings:

There were some differences in regional importance in recruitment and retention factors. The Midwest and Southeast rated flexibility of work schedule more important than any other region. The West had a significantly younger proportion of respondents than other regions and ranked competitive salary, ability to telecommute and opportunities for promotion and advancing professionally higher than any other region. Also, competitive salary seemed to be more important for respondents who worked in larger health departments. Further analyses including length of public health employment by professional and organizational leadership by current job settings are included in the appendices.

## Organizational Leadership, Management, Professional Development Characteristics:

Organizational leadership characteristics was determined by rating based off a 5 point Likert scale with the categories of strong agree, somewhat agree, neither agree or disagree, somewhat disagree, and strongly disagree. This was determined by rating of how strongly agree or disagree with the statements about their organization. While the majority of respondents rated that strongly agree or agree with all leadership characteristics as contained in table there was a over a third who did not agree that there is atmosphere of trust and mutual respect within their organization and that the management and staff have a shared vision (Table 9).

Table 9: Organizational Leadership Characteristics

|  | Strongly Agree or Agree | Strongly or Somewhat <br> Disagree |
| :--- | :--- | :--- |
| Trust/Respect | $56 \%(53 \%)^{*}$ | $33 \%(36 \%)^{*}$ |
| High Professional Standards | $65 \%(63 \%)^{*}$ | $22 \%(24 \%)^{*}$ |
| Appropriate Performance Evaluations | $53 \%(51 \%)^{*}$ | $28 \%(29 \%)^{*}$ |
| Constructive Feedback | $55 \%(52 \%)^{*}$ | $28 \%(29 \%)^{*}$ |
| Shared Vision | $56 \%(53 \%)^{*}$ | $31 \%(33 \%)^{*}$ |

Governmental Respondents

The majority of respondents rated that strongly agree or agree with all management characteristics to address employee concerns. However, there was over a third who did not agree that there is that management had properly addressed employee concerns about autonomy/employee empowerment and leadership issues (Table 10). Additionally, there was almost a third who did not feel like management properly addressed concerns about professional development which may be problematic in retaining employees.

Table 10 : Over the past 12 months, management in the organization has made a sustained effort to address employee concerns about:

|  | Strongly Agree or Agree | Strongly or Somewhat <br> Disagree |
| :--- | :--- | :--- |
| Tools Needed to do Job | $63 \%(60 \%)^{*}$ | $22 \%(24 \%)^{*}$ |


| Professional Development | $60 \%(58 \%)^{*}$ | $24 \%(26 \%)^{*}$ |
| :--- | :--- | :--- |
| Autonomy/Employee Empowerment | $47 \%(45 \%)^{*}$ | $29 \%(31 \%)^{*}$ |
| Leadership Issues | $45 \%(44 \%)^{*}$ | $32 \%(34 \%)^{*}$ |
| New Employee Support | $48 \%(46 \%)^{*}$ | $23 \%(23 \%)^{*}$ |
| Safety and Security | $64 \%(62 \%)^{*}$ | $14 \%(15 \%)^{*}$ |

Governmental Respondents
Finally, when asked to rate the professional development of organization. There were only two areas where a majority of respondents agreed these included opportunities to learn from one another and provides employees with most needed knowledge and skills (table 11). An overwhelming majority felt that the organization did not have resources available for employees and over a third disagreed that there is adequate time provided and training to fully use technology for professional development. This suggests that even if an employee wants to pursue professional development opportunities for themselves there may neither resources or time.

Table 11: Please rate how strongly you agree or disagree with the following statements about professional development in your organization:

|  | Strongly Agree or <br> Agree | Strongly or Somewhat <br> Disagree |
| :--- | :--- | :--- |
| Resources Available for Employees | $36 \%(33 \%)^{*}$ | $51 \%(55 \%)^{*}$ |
| Adequate Time Provided | $45 \%(43 \%)^{*}$ | $38 \%(41 \%)^{*}$ |


| Training to Fully Use Technology | $48 \%(45 \%)^{*}$ | $35 \%(39 \%)^{*}$ |
| :--- | :--- | :--- |
| Opportunities to Learn from One Another | $66 \%(65 \%)^{*}$ | $18 \%(19 \%)^{*}$ |
| Provides Employees with Most Needed <br> Knowledge and Skills | $60 \%(58 \%)^{*}$ | $21 \%(23 \%)^{*}$ |

Governmental Respondents

## Discussion:

The public health workforce represents a critical link in the nation's healthcare system. Like the American workforce as a whole, the public health workforce represents an aging group of employees with a deficit of trained professionals to fill roles vacated by retirements. Developing strategies to recruit and retain trained professionals who are eligible for retirement or who are attractive to potentially more lucrative private healthcare jobs offer important tools for public health agencies. The Council on Linkages and PHF are pursuing a second phase of the National Pipeline Survey among the 28 states that do not use TRAIN. This second survey will use the same questions but will employ a different methodology to reach workers.

While not generalizable to all public health workers nationally, the Pipeline Survey represents an important first step and the largest survey recruitment and retention survey of public health workers to date. Several potential strategies emerge from these data:

1. Linking the Individual Worker and the Public Health Mission: Respondents report the activities associated with a particular job rate the highest in job recruitment. Linked to these activities are other highly rated factors around identifying with the agency's mission, commitment to public service, and a desire to work in this field -factors which respondents rate higher actually now than when they began their job. Strategies which inculcate a stronger link between the agency's mission in improving public health and the personal commitment of the employee to this mission could help recruit and retain workers.
2. Benefits: Respondents consistently rate benefits higher than competitive salaries. With respondents rating job flexibility and proximity to family and friends higher in importance in retention, attractive benefits packages incorporating flex time, elder care, on-site daycare and similar benefits allowing workers greater flexibility to care for loved ones may be beneficial.
3. Training and Education: In terms of recruitment and retention, emphasizing training and educational opportunities may also offer attractive options for some workers. Five percent of workers who had not completed a bachelor's degree when they began their public health career did so by the time they answered the survey. Additionally, another $8.7 \%$ of respondents report they completed a graduate degree while working in public health. Respondents overall rate opportunities for training as moderately important ( 5.8 on a scale from 0 to 10) in their decisions to take and stay in a public health job. Offering workers trainings, tuition credits, and
scheduling flexibility to pursue more education is likely to be attractive to this segment of workers.

Beyond the information on individual public health workers gathered by this study, it also offers an important first venture into using the TRAIN system to research public health workers. As the largest database of public health and emergency responders in the country, it offers researchers an imperfect but possibly best current mechanism for studying the national public health workforce at the individual worker level.

## Appendices:

Primary professional role by years spent as employee of governmental public health agency

| Primary Professional Role |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | <5 | 5-9 | 10-19 | 20+ |
| Administrative Support staff | 281 (26.9\%) | $228 \text { (21.9\%) }$ | $\begin{array}{r} 301 \\ (28.9 \%) \end{array}$ | $\begin{array}{r} 233 \\ (22.3 \%) \end{array}$ |
| Administrator/Director/Manager | 282 (15.5\%) | 331 (18.2\%) | $\begin{array}{r} 612 \\ (33.6 \%) \end{array}$ | $\begin{array}{r} 598 \\ (32.8 \%) \end{array}$ |
| Allied Health Professional | 146 (27.4\%) | $93 \text { (17.4\%) }$ | $\begin{array}{r} 159 \\ (29.8 \%) \end{array}$ | $\begin{array}{r} 135 \\ (25.3 \%) \end{array}$ |
| Biostatistician/Epidemiologist/Statistician | 115 (32.2\%) | 98 (27.5\%) | $\begin{array}{r} 96 \\ (26.9 \%) \end{array}$ | 48 (13.4\%) |
| Data Analyst | 86 (27.6\%) | $84 \text { (26.9\%) }$ | $\begin{array}{r} 85 \\ (27.2 \%) \end{array}$ | 57 (18.3\%) |
| Environmental Health Specialist | 104 (15.8\%) | 133 (20.2\%) | $\begin{array}{r} 186 \\ (28.2 \%) \end{array}$ | $\begin{array}{r} 236 \\ (35.8 \%) \end{array}$ |
| Emergency Responder/Planner | 229 (29.8\%) | 179 (23.3\%) | $\begin{array}{r} 212 \\ (27.6 \%) \end{array}$ | $\begin{array}{r} 148 \\ (19.3 \%) \end{array}$ |
| Faculty/Educator | 70 (27.8\%) | 62 (24.6\%) | $\begin{array}{r} 68 \\ (27.0 \%) \end{array}$ | 52 (20.6\%) |
| Health Educator | 300 (31.0\%) | 213 (22.0\%) | $\begin{array}{r} 291 \\ (30.1 \%) \end{array}$ | $\begin{array}{r} 163 \\ (16.9 \%) \end{array}$ |
| Laboratory Professional | 60 (25.5\%) | 45 (19.1\%) | $\begin{array}{r} 66 \\ (28.1 \%) \end{array}$ | 64 (27.2\%) |
| Nurse | 446 (22.7\%) | 399 (20.3\%) | $\begin{array}{r} 616 \\ (31.3 \%) \end{array}$ | $\begin{array}{r} 507 \\ (25.8 \%) \end{array}$ |
| Physician | 49 (28.8\%) | 36 (21.2\%) | $\begin{array}{r} 49 \\ (28.8 \%) \end{array}$ | 36 (21.2\%) |

$\left.\begin{array}{|l|r|r|r|r|}\hline \text { Public Health Service Provider (non-clinical) } & 257 \text { (29.3\%) } & 160(18.2 \%) & \begin{array}{r}267 \\ (30.4 \%)\end{array} & \begin{array}{r}194 \\ (22.1 \%)\end{array} \\ \hline \text { Researcher } & 71(38.0 \%) & 47(25.1 \%) & 47 & 22(11.8 \%) \\ (25.1 \%)\end{array}\right]$

Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by primary professional role of respondent

Please rate how strongly you agree or disagree or with the following statements about leadership in your organization:

| Agree or |  |  | ofess <br> e |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Strong <br> ly <br> Agree <br> with | Ad min Sup por t | $\begin{gathered} \text { Ad } \\ \mathrm{mi} \\ \mathrm{n} \end{gathered}$ | AH | Bios <br> tat <br> /Epi <br> /Sta <br> t | Dat a <br> An aly st | Env iro n | Em erg <br> Res <br> po <br> n | Fac <br> ulty <br> Edu <br> cato <br> $r$ | Hea Ith Edu cato r | Lab <br> Pro <br> f | $\begin{aligned} & \text { Nu } \\ & \text { rse } \end{aligned}$ |  | PH <br> Ser <br> vice <br> Pro <br> vid <br> er <br> (no <br> n- <br> clini <br> cal) | Rese arch er | $\begin{gathered} \text { Stu } \\ \text { den } \\ \mathbf{t} \end{gathered}$ |
| There is an atmos phere of trust and mutua I <br> respec <br> t with <br> the organi zation | $\begin{aligned} & 918 \\ & (52 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 145 \\ & 5 \\ & 161 \\ & .1 \% \end{aligned}$ | $\begin{aligned} & 469 \\ & (55 \\ & .9 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 200 \\ & (51 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 194 \\ & (46 \\ & .8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 384 \\ & (52 \\ & .6 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 686 \\ & (60 \\ & .4 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 280 \\ & (61 . \\ & 1 \%) \end{aligned}$ | 825 <br> (57. <br> 7\%) | $\begin{aligned} & 194 \\ & (55 \\ & .4 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 171 \\ & 9 \\ & (57 \\ & .4 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 153 \\ & (63 \\ & .0 \% \\ & ) \end{aligned}$ | 762 <br> (56. <br> 2\%) | 165 <br> (59.3 <br> \%) | $\begin{aligned} & 903 \\ & (58 . \\ & 3 \%) \end{aligned}$ |
| Mana <br> geme <br> nt and <br> staff <br> have <br> share <br> d | $\begin{aligned} & 903 \\ & (52 \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 148 \\ & 5 \\ & 161 \\ & .9 \% \end{aligned}$ | $\begin{gathered} 467 \\ (55 \\ .6 \% \\ ) \end{gathered}$ | $\begin{aligned} & 193 \\ & (50 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 196 \\ & (47 \\ & .4 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 354 \\ & (48 \\ & .7 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 643 \\ & (56 \\ & .7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 282 \\ & (61 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 815 \\ & (57 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 175 \\ & (49 \\ & .8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 178 \\ & 5 \\ & 159 \\ & .6 \% \end{aligned}$ | $\begin{aligned} & 146 \\ & (60 \\ & .6 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 725 \\ & (53 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 155 \\ & (55.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 141 \\ & (56 . \\ & 2 \%) \end{aligned}$ |


| vision |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Emplo yees are held to high profes sional stand ards for the work they do | $\begin{aligned} & 981 \\ & (56 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 163 \\ & 0 \\ & (68 \\ & .5 \% \\ & ) \end{aligned}$ | $\begin{gathered} 547 \\ (65 \\ .2 \% \\ 1 \end{gathered}$ | $\begin{aligned} & 222 \\ & (57 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 218 \\ & (52 \\ & .7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 476 \\ & (65 \\ & .1 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 785 \\ & (69 \\ & .4 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 320 \\ & \text { (69. } \\ & 9 \% \text { ) } \end{aligned}$ | $\begin{aligned} & 951 \\ & (66 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 230 \\ & (65 \\ & .5 \% \\ & 1 \end{aligned}$ | $\begin{aligned} & 209 \\ & 2 \\ & (69 \\ & .8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 164 \\ & (68 \\ & .0 \% \\ & ) \end{aligned}$ | $874$ <br> (64. <br> 9\%) | $\begin{aligned} & 183 \\ & (65.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 159 \\ & (63 . \\ & 6 \%) \end{aligned}$ |
| Emplo yee <br> perfor <br> manc <br> evalu <br> ations <br> are <br> handl <br> ed in <br> an <br> appro <br> priate <br> mann <br> er | $\begin{aligned} & 877 \\ & (50 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 129 \\ & 8 \\ & 160 \\ & .4 \% \end{aligned}$ | $\begin{gathered} 443 \\ (53 \\ .1 \% \\ 1 \end{gathered}$ | $188$ <br> (48. <br> 8\%) | $\begin{aligned} & 196 \\ & (47 \\ & .2 \% \end{aligned}$ | $350$ (48 .0\% | $\begin{aligned} & 543 \\ & (47 \\ & .8 \% \end{aligned}$ | $\begin{aligned} & 258 \\ & (56 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 789 \\ & (55 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 171 \\ & 148 \\ & .9 \% \end{aligned}$ | $\begin{aligned} & 173 \\ & 9 \\ & (58 \\ & .1 \% \end{aligned}$ | $\begin{aligned} & 124 \\ & (51 \\ & .2 \% \end{aligned}$ | $\begin{aligned} & 693 \\ & (51 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 142 \\ & (50.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 128 \\ & (51 . \\ & 0 \%) \end{aligned}$ |
| The <br> proce <br> dures <br> for <br> emplo <br> yee <br> perfor <br> manc | $\begin{aligned} & 852 \\ & (49 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 124 \\ & 7 \\ & (52 \\ & .4 \% \\ & ) \end{aligned}$ | $\begin{gathered} 432 \\ (51 \\ .7 \% \\ 1 \end{gathered}$ | $\begin{aligned} & 197 \\ & (51 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 178 \\ & (42 \\ & .9 \% \\ & ) \end{aligned}$ | 351 $(48$ | $\begin{aligned} & 516 \\ & (45 \\ & .7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 248 \\ & \text { (54. } \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 764 \\ & (53 . \\ & 8 \%) \end{aligned}$ | $\begin{aligned} & 169 \\ & (48 \\ & .3 \% \end{aligned}$ | $\begin{aligned} & 165 \\ & 9 \\ & (55 \\ & .5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 123 \\ & (51 \\ & .2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 669 \\ & (49 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 138 \\ & (49.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 125 \\ & (50 . \\ & 0 \%) \end{aligned}$ |


| evalu <br> ations <br> are <br> consis <br> tent |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Emplo yees <br> receiv e <br> constr <br> uctive <br> feedb <br> ack <br> that <br> can <br> help <br> them <br> impro <br> ve <br> their <br> perfor <br> manc <br> e | $\begin{aligned} & 882 \\ & (51 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 140 \\ & 5 \\ & (59 \\ & .0 \% \\ & ) \end{aligned}$ | $\begin{gathered} 453 \\ (53 \\ .9 \% \\ 1 \end{gathered}$ | $\begin{aligned} & 198 \\ & (51 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 196 \\ & (47 \\ & .2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 360 \\ & 149 \\ & .2 \% \end{aligned}$ | $\begin{aligned} & 611 \\ & (54 \\ & .0 \% \end{aligned}$ | $\begin{aligned} & 276 \\ & (60 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 816 \\ & (57 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 174 \\ & (49 \\ & .7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 173 \\ & 3 \\ & (58 \\ & .0 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 123 \\ & (51 \\ & .0 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 709 \\ & (52 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 141 \\ & (50.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & 140 \\ & (55 . \\ & 8 \%) \end{aligned}$ |

## Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by primary professional role of respondent

Over the past 12 months, management in the organization has made a sustained effort to address employee concerns about:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| y <br> Profess <br> ional |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agree or Strongly Agree | Adm in Sup port | Admin | AH | Biost <br> at <br> /Epi/ <br> Stat | Dat a <br> Anal yst | Envi ron | Eme rg. <br> Res pon | Facul ty <br> Educ ator | Healt h <br> Educ ator | Lab <br> Prof | $\begin{gathered} \text { Nur } \\ \text { se } \end{gathered}$ | MD | PH Servi ce Provi der (non - clinic al) | Resear cher | Stud ent |
| Tools needed to do my job | $\begin{aligned} & 1042 \\ & (60 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 1525 \\ & \text { (64.1\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 526 \\ & (63 . \\ & 0 \%) \end{aligned}$ | 220 <br> (57.3 <br> \%) | $\begin{aligned} & 216 \\ & (52 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 439 \\ & (60 . \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 754 \\ & (66 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 306 \\ & (67.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 911 \\ & (64.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 196 \\ & (56 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 193 \\ & 2 \\ & (64 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 143 \\ & (58 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 847 \\ & (62.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 171 \\ & \text { (61.2\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 160 \\ & (63 . \\ & 5 \%) \end{aligned}$ |
| Professional developmen t | $\begin{aligned} & 923 \\ & (53 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 1488 \\ & (62.6 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 507 \\ & (60 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 218 \\ & (56.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 216 \\ & (52 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 414 \\ & (56 . \\ & 8 \%) \end{aligned}$ | $\begin{aligned} & 721 \\ & (63 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 289 \\ & (63.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 933 \\ & (65.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 166 \\ & (47 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 189 \\ & 2 \\ & (63 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 148 \\ & (61 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 794 \\ & (58.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 171 \\ & \text { (61.3\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 161 \\ & (63 . \\ & 8 \%) \end{aligned}$ |
| Autonomy/E mployee empowerme nt | $\begin{aligned} & 656 \\ & \text { (38. } \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 1263 \\ & \text { (53.1\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 391 \\ & (47 . \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 154 \\ & (39.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 155 \\ & \text { (37. } \\ & 9 \% \text { ) } \end{aligned}$ | $\begin{aligned} & 306 \\ & (42 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 574 \\ & (50 . \\ & 7 \%) \end{aligned}$ | 248 <br> (54.3 <br> \%) | $\begin{aligned} & 727 \\ & (51.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 125 \\ & \text { (35. } \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 158 \\ & 5 \\ & (52 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 111 \\ & (46 . \\ & 2 \%) \end{aligned}$ | 594 <br> (44.2 <br> \%) | $\begin{aligned} & 135 \\ & (48.8 \% \\ & ) \end{aligned}$ | 124 <br> (49. <br> 8\%) |
| Leadership issues | $\begin{aligned} & 702 \\ & (40 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 1321 \\ & \text { (55.5\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 366 \\ & (43 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 135 \\ & (35.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 149 \\ & (36 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 277 \\ & (38 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 566 \\ & (50 . \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 237 \\ & (52.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & 670 \\ & (47.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 130 \\ & (37 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 147 \\ & 1 \\ & (49 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 128 \\ & (52 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 570 \\ & (42.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 117 \\ & (42.0 \% \\ & ) \end{aligned}$ | 113 <br> (44. <br> 8\%) |
| New employee support | $\begin{aligned} & 492 \\ & (46 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 1337 \\ & \text { (56.2\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 385 \\ & \text { (46. } \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 160 \\ & (41.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 158 \\ & (38 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 295 \\ & \text { (40. } \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 593 \\ & (52 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 222 \\ & (48.8 \\ & \%) \end{aligned}$ | 689 <br> (48.6 <br> \%) | $\begin{aligned} & 148 \\ & (42 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 155 \\ & 3 \\ & (52 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 117 \\ & (48 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 619 \\ & (45.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 128 \\ & (46.2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 120 \\ & (48 . \\ & 0 \%) \end{aligned}$ |
| Safety and security | 1116 <br> (64. <br> 9\%) | $\begin{aligned} & 1551 \\ & (65.3 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 528 \\ & (63 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 217 \\ & (56.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & 239 \\ & (58 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 400 \\ & \text { (54. } \\ & 7 \% \text { ) } \end{aligned}$ | $\begin{aligned} & 734 \\ & (65 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 274 \\ & (60.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 920 \\ & (64.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 234 \\ & (67 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 199 \\ & 4 \\ & (66 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 152 \\ & (63 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 849 \\ & (63.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 158 \\ & (56.9 \% \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 154 \\ & (61 . \\ & 4 \%) \end{aligned}$ |

Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by primary professional role of respondent

Please rate how strongly you agree or disagree with the following statements about professional development in your organization:

|  |  | Primary <br> Profess <br> ional <br> Role <br> (Questi <br> on 19) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Agree or Strongly Agree | Adm in Supp ort |  | AH | Biost at <br> /Epi/ <br> Stat | Data <br> Anal yst | Envi ron | Eme rg. <br> Res pon | Facul ty <br> Educ ator | Healt h <br> Educ ator | Lab <br> Prof | Nurs e | MD | ce <br> Provi <br> der <br> (non- <br> clinic <br> al) | Resear cher | Stud ent |
| Sufficient fund/res ources | $\begin{aligned} & 556 \\ & (32.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 881 \\ & (37.1 \%) \end{aligned}$ | $\begin{aligned} & 337 \\ & (40 . \\ & 3 \%) \end{aligned}$ | $\begin{aligned} & 130 \\ & (36.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 135 \\ & (33 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 232 \\ & (31 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 481 \\ & (42 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 190 \\ & (41.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 622 \\ & (43.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 79 \\ & (22 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 113 \\ & 1 \\ & (37 . \\ & 8 \%) \end{aligned}$ | $\begin{aligned} & 89 \\ & (36.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 529 \\ & (39.1 \\ & \%) \end{aligned}$ | $\begin{aligned} & 107 \\ & (38.6 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 103 \\ & (41.0 \\ & \%) \end{aligned}$ |
| Adequate time | $\begin{aligned} & 651 \\ & (37.7 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1097 \\ & (46.2 \%) \end{aligned}$ | $\begin{aligned} & 416 \\ & (49 . \\ & 8 \%) \end{aligned}$ | $\begin{aligned} & 176 \\ & (45.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 153 \\ & (37 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 319 \\ & (43 . \\ & 7 \%) \end{aligned}$ | $\begin{aligned} & 573 \\ & (50 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 233 \\ & (50.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 711 \\ & (49.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 107 \\ & (30 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 138 \\ & 7 \\ & (46 . \\ & 4 \%) \end{aligned}$ | 119 <br> (49.4 <br> \%) | 666 <br> (49.1 <br> \%) | $\begin{aligned} & 132 \\ & (47.7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 130 \\ & (51.5 \\ & \%) \end{aligned}$ |
| Employe es have sufficient training to fully utilize technolo gy needed for work | $\begin{aligned} & 742 \\ & (43.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1156 \\ & (48.8 \%) \end{aligned}$ | 443 <br> (53. <br> 0\%) | $\begin{aligned} & 151 \\ & (39.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 152 \\ & \text { (37. } \\ & 3 \% \text { ) } \end{aligned}$ | 331 <br> (45. <br> 4\%) | $\begin{aligned} & 593 \\ & (52 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 245 \\ & (53.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 712 \\ & (50.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 178 \\ & (51 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 151 \\ & 9 \\ & (50 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 120 \\ & (50.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 672 \\ & \text { (49.8 } \\ & \%) \end{aligned}$ | $\begin{aligned} & 132 \\ & (48.0 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 126 \\ & (50.2 \\ & \%) \end{aligned}$ |
| Employe es are provided with opportun ities to learn from one another | $\begin{aligned} & 1078 \\ & (62.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1673 \\ & \text { (70.5\%) } \end{aligned}$ | $\begin{aligned} & 555 \\ & (66 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 250 \\ & (64.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 252 \\ & (61 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 477 \\ & (65 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 799 \\ & (70 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 316 \\ & (69.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 951 \\ & (67.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 220 \\ & (63 . \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 208 \\ & 1 \\ & (75 . \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 157 \\ & (65.7 \\ & \%) \end{aligned}$ | $\begin{aligned} & 867 \\ & (64.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 191 \\ & \text { (68.9\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 160 \\ & (63.5 \\ & \%) \end{aligned}$ |
| Professio <br> nal develop | $\begin{aligned} & 926 \\ & (53.8 \end{aligned}$ | $\begin{aligned} & 1496 \\ & (63.1 \%) \end{aligned}$ | $\begin{aligned} & 533 \\ & (64 . \end{aligned}$ | $\begin{aligned} & \hline 225 \\ & (58.6) \end{aligned}$ | $\begin{aligned} & 205 \\ & (50 . \end{aligned}$ | $\begin{aligned} & 437 \\ & (60 . \end{aligned}$ | $\begin{aligned} & 731 \\ & (64 . \end{aligned}$ | $\begin{aligned} & 288 \\ & (63.4 \end{aligned}$ | $\begin{aligned} & 923 \\ & (65.0 \end{aligned}$ | $\begin{aligned} & 192 \\ & (54 . \end{aligned}$ | $\begin{aligned} & 188 \\ & 8 \\ & (63 . \end{aligned}$ | $\begin{aligned} & 136 \\ & (117 . \end{aligned}$ | $\begin{aligned} & 837 \\ & (62.1 \end{aligned}$ | $\begin{aligned} & 158 \\ & (57.1 \% \end{aligned}$ | $\begin{aligned} & 151 \\ & (60.0 \end{aligned}$ |


| ment | \%) | 0\%) | 0\%) | 0\%) | 9\%) | \%) | \%) | 9\%) | 2\%) | 1\%) | \%) | ) | \%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by work setting

Please rate how strongly you agree or disagree with the following statements about leadership in your organization:

| Agree or Strongly Agree with | Current Work Setting (Question 17) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acade <br> mic <br> Institu <br> tion | Gov <br> t <br> Fede <br> ral | $\begin{gathered} \text { Gov' } \\ \mathbf{t} \\ \text { Stat } \\ \text { e } \end{gathered}$ | Gov' t ocal | Gov't <br> Territ ory | $\begin{gathered} \text { Gov' } \\ \mathbf{t} \\ \text { Trib } \\ \text { al } \end{gathered}$ | Health care Service s | Non- <br> Profi <br> t | Priva te Indus try | Selfemplo yed | Unempl oyed |
| There is <br> an <br> atmosph <br> ere of <br> trust and <br> mutual <br> respect <br> with the <br> organiza <br> tion |  | $\begin{aligned} & 178 \\ & (56.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 2431 \\ & (48.1 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1809 \\ & (61.1 \\ & \%) \end{aligned}$ | $\begin{aligned} & 9 \\ & (60.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 21 \\ & (55.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1684 \\ & (59.5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 669 \\ & (64.1 \\ & \%) \end{aligned}$ | $\begin{aligned} & 177 \\ & (59.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 62 \\ & (55.4 \% \end{aligned}$ | $\begin{aligned} & 6 \\ & (46.2 \%) \end{aligned}$ |
| Manage <br> ment <br> and staff <br> have <br> shared <br> vision | $\begin{aligned} & 489 \\ & (66.1 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 164 \\ & (51.9 \\ & \%) \end{aligned}$ | $\begin{gathered} 2442 \\ (48.3 \\ \%) \end{gathered}$ | $\begin{aligned} & 1763 \\ & (59.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 7 \\ & (73.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 21 \\ & (55.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1691 \\ & (59.9 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 663 \\ & (63.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 170 \\ & (57.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & 62 \\ & (55.4 \% \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 9 \text { (60.0- } \\ & \%) \end{aligned}$ |
| Employe <br> es are <br> held to <br> high <br> professi <br> onal <br> standard <br> s for the <br> work <br> they do | $\begin{aligned} & 549 \\ & (73.9 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 202 \\ & (63.7 \\ & \%) \end{aligned}$ | $\begin{gathered} 2941 \\ (58.3 \\ \%) \end{gathered}$ | $\begin{aligned} & 2083 \\ & (70.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & (64.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 19 \\ & (50.0 \\ & \%) \end{aligned}$ | 1940 <br> (68.8\% <br> ) | $\begin{aligned} & 750 \\ & (72.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 209 \\ & (69.7 \\ & \%) \end{aligned}$ | 74 <br> (66.1\% <br> ) | $\begin{aligned} & 10 \\ & (71.4 \%) \end{aligned}$ |


| Employe <br> e <br> perform <br> ance <br> evaluati <br> ons are <br> handled <br> in an <br> appropri <br> ate <br> manner | $\begin{aligned} & 415 \\ & (56.0 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 158 \\ & (50.1 \\ & \%) \end{aligned}$ | $\begin{gathered} 2488 \\ (49.3 \\ \%) \end{gathered}$ | $\begin{aligned} & 1605 \\ & (54.4 \\ & \%) \end{aligned}$ | 5 <br> (33.3 <br> \%) | $\begin{aligned} & 21 \\ & (55.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1643 \\ & \text { (58.2\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 601 \\ & \text { (57.9 } \\ & \text { \%) } \end{aligned}$ | $\begin{aligned} & 159 \\ & (53.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 47 \\ & (41.9 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 5 \\ & (35.7 \%) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| The procedur es for employe e perform ance evaluati ons are consiste nt | $\begin{aligned} & 407 \\ & (55.2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 150 \\ & (47.9 \\ & \%) \end{aligned}$ | $\begin{gathered} 2452 \\ (48.6 \\ \%) \end{gathered}$ | $\begin{aligned} & 1537 \\ & (52.1 \\ & \%) \end{aligned}$ | 6 (40.0 \%) | $\begin{aligned} & 19 \\ & (50.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1594 \\ & (56.5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 569 \\ & (54.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 150 \\ & (50.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 49 \\ & (43.7 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 7 \\ & (50.0 \%) \end{aligned}$ |
| Employe es receive construc tive feedback that can help them improve their perform ance | $\begin{aligned} & 442 \\ & \text { (59.7\% } \\ & \text { ) } \end{aligned}$ | 154 <br> (48.9 <br> \%) | $\begin{gathered} 2523 \\ (50.0 \\ \%) \end{gathered}$ | $\begin{aligned} & 1700 \\ & (57.4 \\ & \%) \end{aligned}$ | $7$ (46.7 \%) | $21$ (55.3 <br> \%) | $\begin{aligned} & 1659 \\ & (58.8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 6331 \\ & (60.8 \\ & \%) \end{aligned}$ | 168 (56.4 <br> \%) | $\begin{aligned} & 60 \\ & (53.5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 6 \\ & (42.9 \%) \end{aligned}$ |

Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by work setting

Please rate how strongly you agree or disagree with the following statements about leadership in your organization:

| Agree or Strongly Agree with | Curre <br> nt <br> Work <br> Settin <br> g <br> (Ques <br> tion <br> 17) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acade <br> mic <br> Institu <br> tion | Gov' <br> t <br> Fed <br> eral | Gov' <br> t <br> Stat <br> e | Gov' t local | Gov't <br> Territ ory | $\begin{gathered} \text { Gov' } \\ \mathbf{t} \\ \text { Trib } \\ \text { al } \end{gathered}$ | Health care <br> Servic es | Non <br> Prof <br> it | Priva te <br> Indu stry | Selfempl oyed | Unempl oyed |
| Tools needed to do my job | 515 <br> (70.1 <br> \%) | $\begin{aligned} & 188 \\ & (59 . \\ & 7 \%) \end{aligned}$ | $\begin{gathered} 283 \\ 5 \\ (56 . \\ 3 \%) \end{gathered}$ | 2041 <br> (69.3 <br> \%) | $\begin{aligned} & \text { `12 } \\ & (80.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 22 \\ & (59 . \\ & 4 \%) \end{aligned}$ | $\begin{aligned} & 1833 \\ & (65.4 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 708 \\ & (68 . \\ & 6 \%) \end{aligned}$ | $\begin{aligned} & 191 \\ & (65.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 59 \\ & (54.1 \\ & \%) \end{aligned}$ | $\begin{aligned} & 10 \\ & (62.6 \%) \end{aligned}$ |
| Professional development | 517 $(70.5$ $\%)$ | $\begin{aligned} & 192 \\ & (61 . \\ & 3 \%) \end{aligned}$ | $\begin{gathered} 264 \\ 1 \\ (52 . \\ 6 \%) \end{gathered}$ | $\begin{aligned} & 1965 \\ & (66.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 7 \\ & (46.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 23 \\ & (63 . \\ & 9 \%) \end{aligned}$ | $\begin{aligned} & 1725 \\ & (61.6 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 684 \\ & (66 . \\ & 1 \%) \end{aligned}$ | $\begin{aligned} & 179 \\ & (61.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 64 \\ & (58.2 \\ & \%) \end{aligned}$ | $\begin{aligned} & 12 \\ & (75.1 \%) \end{aligned}$ |
| Autonomy/E mployee empowerme nt | $\begin{aligned} & 430 \\ & (58.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 145 \\ & (46 . \\ & 4 \%) \end{aligned}$ | $\begin{gathered} 193 \\ 4 \\ (38 . \\ 5 \%) \end{gathered}$ | $\begin{aligned} & 1583 \\ & (53.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 6 \\ & (40.0 \\ & \%) \end{aligned}$ | 18 <br> (48. <br> 6\%) | $\begin{aligned} & 1385 \\ & (49.5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 568 \\ & (55 . \\ & 2 \%) \end{aligned}$ | $\begin{aligned} & 150 \\ & (51.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 50 \\ & (45.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 8 \\ & (50.0 \%) \end{aligned}$ |
| Leadership issues | 393 $(53.8$ $\%)$ | $\begin{aligned} & 145 \\ & (46 . \\ & 2 \%) \end{aligned}$ | $\begin{gathered} 194 \\ 3 \\ (38 . \\ 8 \%) \end{gathered}$ | $\begin{aligned} & 1512 \\ & (51.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (53.3 \\ & \%) \end{aligned}$ | $\begin{aligned} & 12 \\ & (33 . \\ & 3 \%) \end{aligned}$ | 1344 <br> (48.0\% <br> ) | $\begin{aligned} & 548 \\ & (53 . \\ & 0 \%) \end{aligned}$ | $\begin{aligned} & 143 \\ & (48.7 \\ & \%) \end{aligned}$ | $\begin{aligned} & \hline 41 \\ & (37.6 \\ & \%) \end{aligned}$ | $\begin{aligned} & 8 \\ & (50.0 \%) \end{aligned}$ |
| New employee | $\begin{aligned} & 378 \\ & (51.7 \end{aligned}$ | $\begin{aligned} & 140 \\ & (45 . \end{aligned}$ | $\begin{gathered} 221 \\ 6 \\ 144 . \\ \hline \end{gathered}$ | $\begin{aligned} & 1539 \\ & \text { (52.4 } \end{aligned}$ | $\begin{aligned} & 5 \\ & \text { (33.3 } \end{aligned}$ | $\begin{aligned} & 17 \\ & (45 . \end{aligned}$ | $\begin{aligned} & 1472 \\ & \text { (52.7\% } \end{aligned}$ | $\begin{aligned} & 545 \\ & (52 . \end{aligned}$ | $\begin{aligned} & 147 \\ & (50.0 \end{aligned}$ | $\begin{aligned} & \hline 45 \\ & (41.3 \end{aligned}$ | $\begin{aligned} & 7 \\ & (43.8 \%) \end{aligned}$ |
| support | \%) | 0\%) | 2\%) | \%0 | \%) | 9\%) | ) | 7\%) | \%) | \%) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Safety and security | $\begin{aligned} & 479 \\ & \text { (65.2 } \\ & \%) \end{aligned}$ | $\begin{aligned} & 196 \\ & \text { (62. } \\ & 4 \%) \end{aligned}$ | $\begin{gathered} 301 \\ 3 \\ (59 . \\ 9 \%) \end{gathered}$ | $\begin{aligned} & 1984 \\ & (67.7 \\ & \%) \end{aligned}$ | $\begin{aligned} & 12 \\ & (80.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 23 \\ & \text { (62. } \\ & 1 \% \text { ) } \end{aligned}$ | $\begin{aligned} & 1902 \\ & \text { (68.0\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 696 \\ & \text { (67. } \\ & 5 \%) \end{aligned}$ | $\begin{aligned} & 187 \\ & (63.8 \\ & \%) \end{aligned}$ | 57 <br> (52.3 <br> \%) | $\begin{aligned} & 11 \\ & \text { (68.8\%) } \end{aligned}$ |

Number of respondents who agreed or strongly agreed with positive statements about organization or leadership within their workplaces by work setting

Please rate how strongly you agree or disagree with the following statements about professional development in your organization

| Agree or Strongly <br> Agree <br> with | Curren <br> t Work <br> Settin <br> g <br> (Quest <br> ion 17) |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acade mic Institu tion | Gov' <br> Fede ral | Gov' <br> t <br> Stat e | Gov' <br> t <br> local | Gov't <br> Territ ory | $\begin{gathered} \text { Gov' } \\ \mathbf{t} \\ \text { Trib } \\ \text { al } \end{gathered}$ | Health care Service s | NonProfi t | Priva te <br> Indus try | Selfemplo yed | Unempl oyed |
| Sufficient fund/reso urces | $\begin{aligned} & 351 \\ & (48.1 \% \\ & ) \end{aligned}$ | 137 <br> (44.4 <br> \%) | $\begin{gathered} 1436 \\ (28.6 \\ \text { \%) } \end{gathered}$ | $\begin{aligned} & 1201 \\ & (41.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 4 \\ & (28.5 \\ & \%) \end{aligned}$ | $\begin{aligned} & 20 \\ & (55.6 \\ & \text { \%) } \end{aligned}$ | $\begin{aligned} & 1098 \\ & (39.5 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 481 \\ & (46.9 \\ & \%) \end{aligned}$ | 138 <br> (47.7 <br> \%) | $\begin{aligned} & 39 \\ & (35.8 \\ & \%) \end{aligned}$ | $\begin{aligned} & 5 \\ & (31.3 \%) \end{aligned}$ |
| Adequate time | $\begin{aligned} & 409 \\ & (56.2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 149 \\ & (48.9 \\ & \%) \end{aligned}$ | $\begin{gathered} 1865 \\ (37.3 \\ \%) \end{gathered}$ | $\begin{aligned} & 1502 \\ & (51.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 7 \\ & (46.7 \\ & \%) \end{aligned}$ | $\begin{aligned} & 18 \\ & (50.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 1275 \\ & (45.9 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 556 \\ & \text { (54.2 } \\ & \text { \%) } \end{aligned}$ | $\begin{aligned} & 140 \\ & (48.3 \\ & \%) \end{aligned}$ | 47 <br> (43.5 <br> \%) | $\begin{aligned} & 7 \\ & \text { (43.8\%) } \end{aligned}$ |
| Employee <br> $s$ have sufficient training to fully utilize technolog y needed for work | $\begin{aligned} & 428 \\ & (59.1 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 154 \\ & (50.4 \\ & \%) \end{aligned}$ | $\begin{gathered} 2052 \\ (41.1 \\ \text { \%) } \end{gathered}$ | $\begin{aligned} & 1525 \\ & (52.3 \\ & \%) \end{aligned}$ | 10 (73.3 \%) | $20$ (55.5 \%) | $\begin{aligned} & 1465 \\ & (52.8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 594 \\ & (58.0 \\ & \%) \end{aligned}$ | 164 <br> (56.8 <br> \%) | 45 <br> (41.3 <br> \%) | $\begin{aligned} & 7 \\ & (43.8 \%) \end{aligned}$ |
| Employee <br> s are <br> provided <br> with <br> opportuni <br> ties to <br> learn | $\begin{aligned} & 508 \\ & (69.8 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 203 \\ & (66.6 \\ & \text { \%) } \end{aligned}$ | $\begin{gathered} 3052 \\ (61.0 \\ \%) \end{gathered}$ | $\begin{aligned} & 2104 \\ & (72.0 \\ & \%) \end{aligned}$ | 11 <br> (73.3 <br> \%) | 21 <br> (58.3 <br> \%) | $\begin{aligned} & 1913 \\ & (69.0 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 734 \\ & \text { (71.5 } \\ & \text { \%) } \end{aligned}$ | 217 <br> (74.8 <br> \%) | $\begin{aligned} & 72 \\ & \text { (66.1 } \\ & \text { \%) } \end{aligned}$ | $\begin{aligned} & 9 \\ & (56.3 \%) \end{aligned}$ |


| from one another |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Professio <br> nal <br> developm <br> ent | $\begin{aligned} & 496 \\ & \text { (68.4\% } \\ & \text { ) } \end{aligned}$ | $\begin{aligned} & 190 \\ & \text { (62.1 } \\ & \%) \end{aligned}$ | $\begin{gathered} 2642 \\ (52.9 \\ \%) \end{gathered}$ | $\begin{aligned} & 1934 \\ & (66.4 \\ & \%) \end{aligned}$ | $\begin{aligned} & 9 \\ & (60.0 \\ & \%) \end{aligned}$ | 23 <br> (63.9 <br> \%) | $\begin{aligned} & 1750 \\ & (63.2 \% \\ & ) \end{aligned}$ | $\begin{aligned} & 684 \\ & (66.9 \\ & \%) \end{aligned}$ | $\begin{aligned} & 186 \\ & \text { (64.4 } \\ & \%) \end{aligned}$ | $\begin{aligned} & 66 \\ & (60.0 \\ & \%) \end{aligned}$ | $\begin{aligned} & 8 \\ & (50.0 \%) \end{aligned}$ |

Positions held by public health workers immediately prior to entering your current governmental public health position

| $\begin{gathered} \text { Wher } \\ \text { e } \\ \text { were } \\ \text { you } \\ \text { before } \\ \text { enteri } \\ \text { ng } \\ \text { your } \\ \text { curren } \\ \hline \mathbf{t} \\ \text { gover } \\ \text { nment } \\ \hline \text { al PH } \\ \text { positi } \\ \text { on? } \end{gathered}$ |  | ent P | ofes <br> e |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ad <br> mi <br> n <br> Sup <br> por <br> t | Ad mi n | Alli ed <br> Hea Ith ... | Bios <br> tat <br> /Epi <br> /Sta <br> t | Da ta <br> An aly st | Env <br> iro n | Eme <br> rgen cy Resp onde r | Fac ulty <br> Edu cat or | Hea <br> Ith <br> Edu cat or | $\begin{aligned} & \mathrm{L} \\ & \mathrm{a} \\ & \mathrm{~b} \\ & \mathrm{p} \\ & \mathrm{r} \\ & \mathrm{o} \\ & \mathrm{f} \end{aligned}$ | N <br> ur <br> se | $\begin{aligned} & \text { M } \\ & \text { D } \end{aligned}$ | PH <br> Servi ce <br> Provi der (non <br> clinic al | Res <br> ear <br> che <br> r | Stu de nt |
| High <br> School | 75 | 47 | 14 | 5 | 9 | 24 | 48 |  |  |  | 38 | 3 | 32 | 4 | 4 |
| Associ <br> ate <br> Degre <br> e | 72 | 68 | 32 | 4 | 14 | 13 | 61 | 10 | 40 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | $\begin{aligned} & 14 \\ & 3 \end{aligned}$ | 1 | 44 | 6 | 11 |
| Under <br> grad <br> PH <br> progra <br> m. | 9 | 59 | 18 | 12 | 6 | 82 | 26 | 7 | 58 | 6 | 26 | 1 | 29 | 3 | 7 |
| Other <br> Under <br> grad <br> progra <br> m | 65 | $\begin{aligned} & 22 \\ & 4 \end{aligned}$ |  | 30 |  | $\begin{aligned} & 12 \\ & 4 \end{aligned}$ |  | 18 | $124$ | $\begin{aligned} & 5 \\ & 0 \end{aligned}$ | $\begin{aligned} & 16 \\ & 0 \end{aligned}$ | 2 | 79 | 28 | 19 |
| Gradu ate | 19 | $\begin{aligned} & 12 \\ & 0 \end{aligned}$ |  |  | 39 | 33 | 57 | 32 | 92 | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ |  | 22 | 55 | 36 | 14 |


| Healt hcare <br> Servic es | $147$ | $\begin{aligned} & 54 \\ & 9 \end{aligned}$ |  | 65 | 32 | 51 | 224 | 77 | 300 | $\begin{aligned} & 7 \\ & 2 \end{aligned}$ | $\begin{aligned} & 13 \\ & 56 \end{aligned}$ | 73 | 256 | 30 | 28 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nonpr ofit <br> Organ izatio n | $72$ | $\begin{aligned} & 23 \\ & 2 \end{aligned}$ | 84 | 36 | 26 | 23 | 98 | 27 | 175 |  | $\begin{aligned} & 14 \\ & 7 \end{aligned}$ | 11 | 135 | 26 | 11 |
| Privat e <br> Indust ry | $405$ | $\begin{aligned} & 38 \\ & 5 \end{aligned}$ | 82 | 46 | 89 | $\begin{aligned} & 25 \\ & 3 \end{aligned}$ | 202 | 34 | 169 | 6 3 | $\begin{aligned} & 30 \\ & 9 \end{aligned}$ | 14 | 225 | 29 | 38 |
| Acade mic emplo yment |  | $\begin{aligned} & 12 \\ & 5 \end{aligned}$ | 33 | 60 | 34 | 33 | 45 | 41 | 104 |  | 68 | 22 | 68 | 30 | 10 |
| Retire <br> d | 12 | 25 | 5 | 0 | 3 | 11 | 17 | 1 | 5 | 4 | 12 | 4 | 13 | 2 | 0 |
| Self <br> Emplo <br> yed | 52 | 71 | 27 | 11 | 13 | 36 | 56 | 16 | 54 | 6 | 40 | 21 | 59 | 11 | 5 |
| Unem ploye d | 125 | 62 | 24 | 20 | 28 | 45 | 32 | 7 | 50 | $\begin{aligned} & 1 \\ & 5 \end{aligned}$ | 63 | 3 | 43 | 11 | 8 |
| Total | $\begin{aligned} & 129 \\ & 4 \end{aligned}$ | $\begin{aligned} & 24 \\ & 19 \end{aligned}$ | 737 | $\begin{gathered} 189 \\ 1 \end{gathered}$ | $\begin{aligned} & 41 \\ & 7 \end{aligned}$ | $\begin{aligned} & 86 \\ & 1 \end{aligned}$ | 1121 |  | $\begin{aligned} & 137 \\ & 3 \end{aligned}$ | 3 2 6 | $\begin{aligned} & 25 \\ & 47 \end{aligned}$ | 264 | 1227 | 284 | 177 |

