

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Note: NP=No Position

By Occupation

Occupation Group	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimate	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	43.5	2.0	4.6%	59.8	2.0	3.3%			3.0	3.0	3.0	3.0
Physicians	Family Physician	315.8	43.0	13.6%	615.4	67.1	10.9%	26.5	41.7	48.0	12.7	48.0	13.8
Physicians	General Internist	93.5	5.0	5.3%	147.2	11.4	7.8%	4.0	8.8	24.0	24.0	24.0	24.0
Physicians	Psychiatrist	61.0	10.0	16.4%	86.9	11.0	12.7%	4.0	4.5	15.0	5.0	15.0	4.6
Physicians	Radiation Oncologist	5.0	3.0	60.0%	5.0	3.0	60.0%	2.0	2.0	10.0	9.3	10.0	9.3
Physicians	Radiologist	41.0	4.0	9.8%	50.6	4.0	7.9%						
Professional Nurses	Nurse Case Manger	218.0	22.0	10.1%	262.5	31.0	11.8%	7.0	12.3	48.0	11.6	48.0	16.4
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	264.0	40.0	15.2%	299.3	44.8	15.0%	6.0	7.6	12.0	5.3	12.0	5.6
Professional Nurses	Family Nurse Practitioner	193.0	36.5	18.9%	337.3	58.2	17.2%	22.5	42.6	24.0	7.9	24.0	7.2
Professional Nurses	Nurse Anesthetist	27.0	0.0	0.0%	27.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	5.0	1.0	20.0%	6.6	1.0	15.1%	1.0	1.0				
Professional Nurses	Nurse Educator	47.0	5.0	10.6%	53.4	5.0	9.4%	1.0	1.0	5.0	2.3	5.0	2.3
Professional Nurses	Nurse Manager	123.0	11.0	8.9%	149.0	16.3	11.0%	1.0	2.6	48.0	12.4	48.0	15.9
Professional Nurses	Nurse Midwife	25.0	4.0	16.0%	41.0	10.4	25.4%	2.0	5.2	12.0	9.0	12.0	9.0
Professional Nurses	Pediatric Nurse Practitioner	15.0	4.0	26.7%	27.8	10.4	37.4%	4.0	10.4	12.0	9.3	12.0	9.3
Professional Nurses	Psychiatric Nurse	82.0	11.0	13.4%	85.2	11.0	12.9%	8.0	8.0	6.0	3.3	6.0	3.3
Professional Nurses	Psychiatric Nurse Practitioner	25.0	6.0	24.0%	41.9	8.6	20.5%	4.0	6.6	10.0	5.8	10.0	6.7
Professional Nurses	Public Health Nurse	131.0	10.0	7.6%	131.0	10.0	7.6%	2.0	2.0	51.0	24.0	51.0	24.0
Professional Nurses	Registered Nurse	2680.8	273.5	10.2%	3176.0	321.6	10.1%	63.5	95.7	48.0	6.8	48.0	6.2
Professional Nurses	Women's Health Care Nurse Practitioner	23.0	5.0	21.7%	51.9	11.4	22.0%	1.0	2.6	24.0	11.0	24.0	13.1
Other Nursing Staff	Certified Nurse Assistant	1245.5	102.0	8.2%	1444.9	120.0	8.3%	89.0	102.2	24.0	5.6	24.0	4.7
Other Nursing Staff	Home Health Aide	58.0	11.0	19.0%	73.2	11.5	15.7%	11.0	11.5	16.0	13.0	16.0	12.4
Other Nursing Staff	Licensed Practical Nurse	393.0	44.5	11.3%	578.6	68.2	11.8%	32.5	47.6	12.0	3.0	12.0	3.0
Other Nursing Staff	Personal Care Attendant	463.5	22.0	4.7%	590.8	32.5	5.5%	21.0	31.5	12.0	2.4	12.0	2.4

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Other Clinicians/Therapists	Dentist	318.0	12.0	3.8%	551.3	14.5	2.6%	10.0	11.6	26.0	9.2	26.0	9.0
Other Clinicians/Therapists	Occupational Therapist	115.0	26.0	22.6%	128.5	29.3	22.8%	24.0	27.3	36.0	14.5	36.0	14.8
Other Clinicians/Therapists	Pharmacist	413.0	35.0	8.5%	437.6	37.1	8.5%	23.0	23.5	36.0	10.6	36.0	10.4
Other Clinicians/Therapists	Physical Therapist	245.0	40.5	16.5%	292.5	46.2	15.8%	31.5	36.7	30.0	10.4	30.0	10.0
Other Clinicians/Therapists	Physician Assistant	180.0	29.5	16.4%	315.1	41.5	13.2%	16.5	30.1	30.0	8.9	30.0	7.2
Other Clinicians/Therapists	Speech Therapist	56.5	8.5	15.0%	63.4	9.9	15.5%	6.5	7.5	30.0	12.8	30.0	14.2
Other Clinicians/Therapists	Speech Language Pathologist	151.5	15.5	10.2%	157.7	16.4	10.4%	10.5	11.4	60.0	14.2	60.0	13.8
Behavioral Health	Aide/Village Counselor	227.0	32.0	14.1%	254.0	37.8	14.9%	16.0	17.0	17.0	6.0	17.0	5.5
Behavioral Health	Clinician	410.3	39.0	9.5%	491.3	46.6	9.5%	27.5	37.9	18.0	4.1	18.0	3.7
Behavioral Health	Chemical/Substance Counselor	225.0	37.0	16.4%	311.0	48.0	15.4%	23.0	31.5	18.0	3.4	18.0	3.2
Behavioral Health	Case Manager	620.5	33.0	5.3%	810.2	48.7	6.0%	28.0	41.7	6.0	2.2	6.0	2.4
Behavioral Health	Human Services Worker HS	804.0	104.0	12.9%	1198.9	146.4	12.2%	79.0	121.4	12.0	2.2	12.0	2.0
Behavioral Health	Human Services Worker Degree	165.5	19.5	11.8%	248.6	29.3	11.8%	19.5	29.3	12.0	4.8	12.0	4.8
Behavioral Health	Marital/Family Therapist	27.0	3.0	11.1%	44.7	4.5	10.1%	3.0	4.5				
Behavioral Health	Professional Counselor	126.0	9.0	7.1%	161.1	9.0	5.6%	3.0	3.0	9.0	7.0	9.0	7.0
Behavioral Health	Psychiatric Aide/Technician	48.0	2.0	4.2%	51.1	2.0	3.9%			2.0	2.0	2.0	2.0
Behavioral Health	Psychologist/Psychological Associate	69.0	8.0	11.6%	88.9	9.0	10.1%	7.0	8.0	12.0	7.4	12.0	7.8
Behavioral Health	Clinical Psychologist	38.0	6.0	15.8%	58.0	8.6	14.8%	2.0	3.0	12.0	6.0	12.0	7.2
Behavioral Health	Social Worker BSW	49.0	0.0	0.0%	65.1	0.0	0.0%						
Behavioral Health	Social Worker MSW	72.0	2.0	2.8%	94.3	2.0	2.1%	1.0	1.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	27.0	1.0	3.7%	36.8	2.6	7.1%						
Allied Health	Clinical Lab Assistant	87.0	2.0	2.3%	114.3	5.2	4.6%	2.0	5.2	6.0	4.0	6.0	4.9
Allied Health	Dental Asst	574.0	34.0	5.9%	968.3	61.7	6.4%	25.0	43.8	36.0	4.3	36.0	4.3
Allied Health	Dental HA Therapist	31.0	2.0	6.5%	48.1	2.0	4.2%	2.0	2.0	48.0	25.0	48.0	25.0
Allied Health	Dental Hygienist	285.5	21.5	7.5%	506.6	40.7	8.0%	20.5	38.8	108.0	14.4	108.0	14.7
Allied Health	Echocardiography Technician	14.0	1.0	7.1%	14.0	1.0	7.1%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	EEG Technician	10.0	0.0	0.0%	10.0	0.0	0.0%						
Allied Health	EKG Technician	33.0	0.0	0.0%	50.6	0.0	0.0%						
Allied Health	EMT/ETT	23.0	0.0	0.0%	27.7	0.0	0.0%						
Allied Health	Mammographer	43.0	2.0	4.7%	51.0	2.0	3.9%	0.0	0.0	3.0	1.8	3.0	1.8
Allied Health	Massage Therapist	60.0	3.0	5.0%	75.2	3.4	4.5%	2.0	2.2	12.0	5.3	12.0	5.5
Allied Health	Medical Assistant	357.0	13.5	3.8%	706.7	30.3	4.3%	11.5	26.7	6.0	2.1	6.0	2.0
Allied Health	Medical Lab Technician	97.0	3.5	3.6%	141.1	5.9	4.2%	2.5	4.9	6.0	5.0	6.0	5.5
Allied Health	Medical Technician	197.5	10.0	5.1%	224.8	14.8	6.6%	8.0	12.8	12.0	4.6	12.0	5.7
Allied Health	MRI/CT Technician	56.0	2.0	3.6%	56.0	2.0	3.6%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Nuclear Medicine Technician	10.0	1.0	10.0%	10.0	1.0	10.0%	0.0	0.0	4.0	4.0	4.0	4.0
Allied Health	Paramedic	9.0	4.0	44.4%	9.0	4.0	44.4%	4.0	4.0				

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Allied Health	Pharmacy Technician	774.5	23.0	3.0%	819.9	27.8	3.4%	15.0	16.6	5.0	2.0	5.0	2.0
Allied Health	Phlebotomist	155.8	8.0	5.1%	187.1	9.6	5.1%	7.0	8.6	6.0	3.8	6.0	4.3
Allied Health	Physical Therapy Assistant	53.0	16.0	30.2%	62.3	17.8	28.5%	14.0	15.6	12.0	6.9	12.0	6.8
Allied Health	Radiology Technician	178.5	6.0	3.4%	219.4	7.6	3.5%	3.0	4.6	8.0	3.2	8.0	2.4
Allied Health	Respiratory Therapist	68.0	4.0	5.9%	68.0	4.0	5.9%	2.0	2.0	5.0	3.5	5.0	3.5
Allied Health	Sonographer	59.0	8.0	13.6%	70.2	9.6	13.7%	6.0	7.6	24.0	11.2	24.0	8.5
Allied Health	Sterile Processing Technician	83.0	6.0	7.2%	97.4	6.0	6.2%	5.0	5.0	3.0	2.3	3.0	2.3
Allied Health	Surgical Tech	64.0	6.0	9.4%	64.0	6.0	9.4%	4.0	4.0	7.0	5.5	7.0	5.5
Health Education and Community Wellness	Community Health Representative	47.0	5.0	10.6%	59.8	6.6	11.0%	4.0	4.0	16.0	6.3	16.0	6.3
Health Education and Community Wellness	Community Wellness Advocate	30.0	1.0	3.3%	36.4	2.6	7.2%	1.0	2.6				
Health Education and Community Wellness	Dietitian	36.5	9.0	24.7%	37.2	9.0	24.2%	5.0	5.0	9.0	5.8	9.0	5.8
Health Education and Community Wellness	Health Educator	132.0	3.0	2.3%	136.8	4.6	3.4%	2.0	3.6	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Nutritionist	20.0	1.0	5.0%	27.5	1.5	5.5%	1.0	1.5	3.0	3.0	3.0	3.0
Health Education and Community Wellness	Village Health Educator	17.0	2.0	11.8%	17.0	2.0	11.8%	1.0	1.0	9.0	9.0	9.0	9.0
Health Education and Community Wellness	Community Health Aide/Practitioner	326.0	41.0	12.6%	329.2	42.6	12.9%	24.0	25.6	95.0	22.8	95.0	21.8
Managers and Administrators	Administrator/Director/CEO/Manager	837.0	25.0	3.0%	1246.4	33.5	2.7%	8.0	12.9	26.0	5.5	26.0	5.5
Managers and Administrators	Behavioral Health Supervisor	154.0	8.0	5.2%	219.1	12.6	5.8%	3.0	4.5	6.0	2.4	6.0	2.1
Managers and Administrators	Health Information Administrator/Manager	65.0	4.0	6.2%	95.1	5.6	5.9%	3.0	4.6	12.0	9.3	12.0	7.5
Managers and Administrators	Hospital Administrator	9.0	1.0	11.1%	9.0	1.0	11.1%	0.0	0.0	6.0	6.0	6.0	6.0
Managers and Administrators	Human Resources Director	89.5	6.0	6.7%	132.0	9.1	6.9%	3.0	5.6	7.0	2.8	7.0	3.1
Managers and Administrators	Medical Director	91.5	6.0	6.6%	130.0	10.2	7.9%	2.0	3.6	12.0	5.0	12.0	6.1
Managers and Administrators	Nursing Director/Executive	54.0	6.0	11.1%	74.1	10.8	14.6%	1.0	2.6	48.0	12.6	48.0	16.2
Information and Reimbursement	Billing Clerk/Technician	689.5	37.0	5.4%	1096.1	58.6	5.3%	25.0	39.0	36.0	5.3	36.0	5.6
Information and Reimbursement	Billing Supervisor	173.0	4.0	2.3%	299.0	6.3	2.1%	1.0	2.6	3.0	1.7	3.0	1.9
Information and Reimbursement	Compliance/Auditor	54.0	2.0	3.7%	92.1	3.6	3.9%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Records Clerk/Technician	438.5	28.5	6.5%	629.1	37.2	5.9%	20.5	26.0	6.0	1.8	6.0	1.6
Information and Reimbursement	Transcript	99.0	1.0	1.0%	143.7	1.5	1.0%						
Information and Reimbursement	Coding Clerk/Technician	191.0	7.0	3.7%	269.3	7.0	2.6%	2.0	2.0	6.0	6.0	6.0	6.0
Information and Reimbursement	Certified Coder	117.0	7.0	6.0%	233.0	10.2	4.4%	4.0	5.6	36.0	16.0	36.0	23.0
Information and Reimbursement	Coding Specialist	62.0	3.0	4.8%	88.6	3.0	3.4%	1.0	1.0	10.0	6.0	10.0	6.0
Paramedics	Paramedic	234.0	6.0	2.6%	288.7	7.4	2.6%	6.0	7.4	6.0	3.5	6.0	3.5
Paramedics	Firefighter with Emergency Medical Service	903.0	26.0	2.9%	1114.1	32.1	2.9%	10.0	12.3	50.0	14.4	50.0	14.4

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

By Urban and Rural

Urban													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	20.0	0.0	0.0%	34.7	0.0	0.0%						
Physicians	Family Physician	218.0	15.0	6.9%	441.8	26.2	5.9%	9.0	13.8	24.0	10.2	24.0	10.6
Physicians	General Internist	73.5	3.0	4.1%	119.2	7.8	6.6%	3.0	7.8				
Physicians	Psychiatrist	46.0	8.0	17.4%	64.0	8.5	13.3%	3.0	3.0	15.0	6.0	15.0	5.3
Physicians	Radiation Oncologist	4.0	2.0	50.0%	4.0	2.0	50.0%	2.0	2.0	10.0	9.5	10.0	9.5
Physicians	Radiologist	29.0	0.0	0.0%	38.6	0.0	0.0%						
Professional Nurses	Nurse Case Manger	147.0	15.0	10.2%	178.5	18.7	10.5%	2.0	2.0	2.0	0.7	2.0	0.7
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	183.0	32.0	17.5%	211.9	33.6	15.9%	5.0	5.0	0.0	0.0	0.0	0.0
Professional Nurses	Family Nurse Practitioner	143.0	22.0	15.4%	250.4	36.4	14.6%	13.0	25.8	24.0	8.4	24.0	7.4
Professional Nurses	Nurse Anesthetist	21.0	0.0	0.0%	21.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	5.0	1.0	20.0%	6.6	1.0	15.1%	1.0	1.0				
Professional Nurses	Nurse Educator	37.0	4.0	10.8%	41.8	4.0	9.6%	1.0	1.0	1.0	1.0	1.0	1.0
Professional Nurses	Nurse Manager	83.0	7.0	8.4%	102.6	10.2	9.9%	0.0	0.0	16.0	7.8	16.0	6.7
Professional Nurses	Nurse Midwife	22.0	3.0	13.6%	36.4	7.8	21.4%	1.0	2.6	12.0	12.0	12.0	12.0
Professional Nurses	Pediatric Nurse Practitioner	13.0	3.0	23.1%	24.2	7.8	32.2%	3.0	7.8	12.0	9.0	12.0	9.0
Professional Nurses	Psychiatric Nurse	81.0	11.0	13.6%	84.2	11.0	13.1%	8.0	8.0	6.0	3.3	6.0	3.3
Professional Nurses	Psychiatric Nurse Practitioner	23.0	5.0	21.7%	36.7	6.0	16.3%	3.0	4.0	10.0	5.0	10.0	5.7
Professional Nurses	Public Health Nurse	54.0	2.0	3.7%	54.0	2.0	3.7%	2.0	2.0	8.0	8.0	8.0	8.0
Professional Nurses	Registered Nurse	1927.0	190.5	9.9%	2378.2	229.6	9.7%	35.5	60.8	16.0	3.7	16.0	3.2
Professional Nurses	Women's Health Care Nurse Practitioner	19.0	3.0	15.8%	46.3	7.8	16.9%	1.0	2.6	24.0	24.0	24.0	24.0
Other Nursing Staff	Certified Nurse Assistant	897.5	69.0	7.7%	1026.7	79.6	7.8%	56.0	61.8	24.0	5.9	24.0	4.8
Other Nursing Staff	Home Health Aide	35.0	11.0	31.4%	41.6	11.5	27.6%	11.0	11.5	16.0	13.0	16.0	12.4
Other Nursing Staff	Licensed Practical Nurse	303.0	30.0	9.9%	443.2	46.4	10.5%	21.0	28.9	12.0	3.0	12.0	3.0
Other Nursing Staff	Personal Care Attendant	290.0	10.0	3.4%	341.0	14.5	4.3%	9.0	13.5	12.0	3.5	12.0	3.5

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Other Clinicians/Therapists	Dentist	217.0	2.0	0.9%	387.4	2.8	0.7%	1.0	1.8	0.0	0.0	0.0	0.0
Other Clinicians/Therapists	Occupational Therapist	81.0	10.0	12.3%	90.4	11.0	12.2%	10.0	11.0	36.0	12.8	36.0	12.1
Other Clinicians/Therapists	Pharmacist	324.5	24.0	7.4%	348.6	25.6	7.3%	14.0	14.0	24.0	9.0	24.0	9.0
Other Clinicians/Therapists	Physical Therapist	140.0	15.0	10.7%	174.3	18.2	10.4%	12.5	15.6	24.0	6.8	24.0	6.3
Other Clinicians/Therapists	Physician Assistant	120.0	9.0	7.5%	227.8	15.4	6.8%	8.0	14.4	24.0	8.5	24.0	6.9
Other Clinicians/Therapists	Speech Therapist	13.5	3.5	25.9%	15.4	4.4	28.3%	1.5	2.0	12.0	6.5	12.0	7.6
Other Clinicians/Therapists	Speech Language Pathologist	125.5	7.5	6.0%	127.8	8.0	6.3%	6.5	7.0	60.0	20.0	60.0	19.7
Behavioral Health	Aide/Village Counselor	33.0	9.0	27.3%	46.5	14.8	31.8%	6.0	7.0	5.0	4.0	5.0	3.8
Behavioral Health	Clinician	248.5	15.0	6.0%	290.5	18.5	6.4%	6.5	8.3	9.0	2.3	9.0	2.0
Behavioral Health	Chemical/Substance Counselor	132.0	28.0	21.2%	182.1	36.0	19.8%	14.0	19.5	3.0	1.3	3.0	1.3
Behavioral Health	Case Manager	516.0	28.0	5.4%	635.7	40.1	6.3%	24.0	34.6	6.0	2.1	6.0	2.1
Behavioral Health	Human Services Worker HS	457.5	68.0	14.9%	666.7	100.5	15.1%	67.0	99.5	6.0	1.5	6.0	1.5
Behavioral Health	Human Services Worker Degree	137.0	14.0	10.2%	203.5	21.0	10.3%	14.0	21.0	12.0	3.8	12.0	3.8
Behavioral Health	Marital/Family Therapist	14.0	1.0	7.1%	21.8	1.5	6.9%	1.0	1.5				
Behavioral Health	Professional Counselor	70.0	2.0	2.9%	85.3	2.0	2.3%	0.0	0.0	9.0	9.0	9.0	9.0
Behavioral Health	Psychiatric Aide/Technician	17.0	0.0	0.0%	18.6	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	29.0	1.0	3.4%	45.9	1.0	2.2%	0.0	0.0	1.0	1.0	1.0	1.0
Behavioral Health	Clinical Psychologist	27.0	4.0	14.8%	38.6	6.1	15.8%	1.0	1.5	0.0	0.0	0.0	0.0
Behavioral Health	Social Worker BSW	14.0	0.0	0.0%	14.0	0.0	0.0%						
Behavioral Health	Social Worker MSW	48.0	1.0	2.1%	59.0	1.0	1.7%	1.0	1.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	16.0	1.0	6.3%	20.7	2.6	12.6%						
Allied Health	Clinical Lab Assistant	61.0	0.0	0.0%	70.6	0.0	0.0%			2.0	2.0	2.0	2.0
Allied Health	Dental Asst	376.5	18.0	4.8%	642.1	33.5	5.2%	14.0	24.6	36.0	3.2	36.0	3.2
Allied Health	Dental HA Therapist	4.0	1.0	25.0%	8.0	1.0	12.5%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	Dental Hygienist	199.0	9.0	4.5%	352.7	16.4	4.6%	9.0	16.4	18.0	3.9	18.0	3.9
Allied Health	Echocardiography Technician	11.0	1.0	9.1%	11.0	1.0	9.1%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	EEG Technician	8.0	0.0	0.0%	8.0	0.0	0.0%						
Allied Health	EKG Technician	22.0	0.0	0.0%	28.4	0.0	0.0%						
Allied Health	EMT/ETT	3.0	0.0	0.0%	3.7	0.0	0.0%						
Allied Health	Mammographer	26.0	1.0	3.8%	34.0	1.0	2.9%	0.0	0.0	0.5	0.5	0.5	0.5
Allied Health	Massage Therapist	46.0	1.0	2.2%	56.1	1.0	1.8%	1.0	1.0	3.0	3.0	3.0	3.0
Allied Health	Medical Assistant	296.0	9.0	3.0%	589.6	18.6	3.2%	7.0	15.0	3.0	1.3	3.0	1.1
Allied Health	Medical Lab Technician	64.5	2.0	3.1%	96.6	3.6	3.7%	1.0	2.6	6.0	6.0	6.0	6.0
Allied Health	Medical Technician	125.0	5.0	4.0%	149.1	8.2	5.5%	4.0	7.2	6.0	3.7	6.0	4.4
Allied Health	MRI/CT Technician	35.0	1.0	2.9%	35.0	1.0	2.9%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Nuclear Medicine Technician	7.0	1.0	14.3%	7.0	1.0	14.3%	0.0	0.0	4.0	4.0	4.0	4.0
Allied Health	Paramedic	3.0	0.0	0.0%	3.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Allied Health	Pharmacy Technician	651.5	18.0	2.8%	686.8	21.2	3.1%	10.0	10.0	3.0	1.4	3.0	1.4
Allied Health	Phlebotomist	108.5	5.0	4.6%	121.3	5.0	4.1%	5.0	5.0	4.0	2.0	4.0	2.0
Allied Health	Physical Therapy Assistant	32.0	10.0	31.3%	37.9	11.1	29.2%	9.0	9.9	12.0	6.4	12.0	6.5
Allied Health	Radiology Technician	119.0	4.0	3.4%	146.3	5.6	3.8%	2.0	3.6	5.0	1.7	5.0	1.1
Allied Health	Respiratory Therapist	37.0	3.0	8.1%	37.0	3.0	8.1%	2.0	2.0	5.0	3.5	5.0	3.5
Allied Health	Sonographer	44.0	5.0	11.4%	55.2	6.6	12.0%	5.0	6.6	4.0	2.7	4.0	1.7
Allied Health	Sterile Processing Technician	64.0	3.0	4.7%	75.2	3.0	4.0%	2.0	2.0	3.0	2.5	3.0	2.5
Allied Health	Surgical Tech	47.0	1.0	2.1%	47.0	1.0	2.1%	1.0	1.0				
Health Education and Community Wellness	Community Health Representative	20.0	2.0	10.0%	31.2	3.6	11.5%	1.0	1.0	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Community Wellness Advocate	17.0	0.0	0.0%	18.6	0.0	0.0%						
Health Education and Community Wellness	Dietitian	23.0	7.0	30.4%	23.7	7.0	29.6%	5.0	5.0	6.0	4.5	6.0	4.5
Health Education and Community Wellness	Health Educator	124.0	2.0	1.6%	125.6	2.0	1.6%	1.0	1.0	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Nutritionist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator	2.0	2.0	100.0%	2.0	2.0	100.0%	1.0	1.0	9.0	9.0	9.0	9.0
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)	102.0	26.0	25.5%	102.0	26.0	25.5%	22.0	22.0	95.0	28.5	95.0	28.5
Managers and Administrators	Administrator/Director/CEO /Manager	534.5	18.0	3.4%	841.4	23.9	2.8%	3.0	5.3	12.0	3.2	12.0	2.9
Managers and Administrators	Behavioral Health Supervisor	114.0	7.0	6.1%	165.4	11.1	6.7%	3.0	4.5	6.0	2.3	6.0	1.9
Managers and Administrators	Health Information Administrator/Manager	36.0	1.0	2.8%	57.8	2.6	4.5%	1.0	2.6	4.0	4.0	4.0	4.0
Managers and Administrators	Hospital Administrator	4.0	0.0	0.0%	4.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	54.5	3.0	5.5%	86.2	3.5	4.1%	0.0	0.0	7.0	3.7	7.0	3.6
Managers and Administrators	Medical Director	53.0	4.0	7.5%	81.7	6.6	8.1%	0.0	0.0	6.0	3.7	6.0	4.1
Managers and Administrators	Nursing Director/Executive	31.0	2.0	6.5%	46.4	3.6	7.8%	0.0	0.0	1.0	0.5	1.0	0.3
Information and Reimbursement	Billing Clerk/Technician	460.0	21.0	4.6%	766.9	38.4	5.0%	10.0	20.3	18.0	4.5	18.0	3.8
Information and Reimbursement	Billing Supervisor	108.0	1.0	0.9%	193.7	1.2	0.6%	0.0	0.0				
Information and Reimbursement	Compliance/Auditor	39.0	2.0	5.1%	70.3	3.6	5.1%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Records Clerk/Technician	322.5	23.0	7.1%	476.5	30.9	6.5%	15.0	19.7	3.0	1.0	3.0	0.6
Information and Reimbursement	Transcript	68.0	1.0	1.5%	103.7	1.5	1.4%						
Information and Reimbursement	Coding Clerk/Technician	148.0	5.0	3.4%	199.1	5.0	2.5%	1.0	1.0	6.0	6.0	6.0	6.0
Information and Reimbursement	Certified Coder	80.0	1.0	1.3%	185.0	2.6	1.4%						
Information and Reimbursement	Coding Specialist	48.0	2.0	4.2%	64.4	2.0	3.1%	0.0	0.0	2.0	2.0	2.0	2.0
Paramedics	Paramedic	110.0	4.0	3.6%	135.7	4.9	3.6%	4.0	4.9	3.0	3.0	3.0	3.0
Paramedics	Firefighter with Emergency Medical Service	627.0	25.0	4.0%	773.6	30.8	4.0%	9.0	11.1	50.0	17.5	50.0	17.5

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Rural													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	23.5	2.0	8.5%	25.1	2.0	8.0%			3.0	3.0	3.0	3.0
Physicians	Family Physician	97.8	28.0	28.6%	173.6	40.8	23.5%	17.5	27.9	48.0	13.4	48.0	15.0
Physicians	General Internist	20.0	2.0	10.0%	28.0	3.6	12.9%	1.0	1.0	24.0	24.0	24.0	24.0
Physicians	Psychiatrist	15.0	2.0	13.3%	22.8	2.5	11.0%	1.0	1.5	2.0	2.0	2.0	2.0
Physicians	Radiation Oncologist	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0	9.0	9.0	9.0	9.0
Physicians	Radiologist	12.0	4.0	33.3%	12.0	4.0	33.3%						
Professional Nurses	Nurse Case Manger	71.0	7.0	9.9%	84.0	12.3	14.7%	5.0	10.3	48.0	17.0	48.0	21.3
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	81.0	8.0	9.9%	87.4	11.2	12.8%	1.0	2.6	12.0	7.0	12.0	8.7
Professional Nurses	Family Nurse Practitioner	50.0	14.5	29.0%	86.9	21.7	25.0%	9.5	16.7	18.0	7.3	18.0	7.0
Professional Nurses	Nurse Anesthetist	6.0	0.0	0.0%	6.0	0.0	0.0%						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator	10.0	1.0	10.0%	11.6	1.0	8.6%	0.0	0.0	5.0	5.0	5.0	5.0
Professional Nurses	Nurse Manager	40.0	4.0	10.0%	46.3	6.1	13.2%	1.0	2.6	48.0	18.7	48.0	26.1
Professional Nurses	Nurse Midwife	3.0	1.0	33.3%	4.6	2.6	56.6%	1.0	2.6	6.0	6.0	6.0	6.0
Professional Nurses	Pediatric Nurse Practitioner	2.0	1.0	50.0%	3.6	2.6	72.3%	1.0	2.6	10.0	10.0	10.0	10.0
Professional Nurses	Psychiatric Nurse	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Psychiatric Nurse Practitioner	2.0	1.0	50.0%	5.2	2.6	50.0%	1.0	2.6	8.0	8.0	8.0	8.0
Professional Nurses	Public Health Nurse	77.0	8.0	10.4%	77.0	8.0	10.4%	0.0	0.0	51.0	28.0	51.0	28.0
Professional Nurses	Registered Nurse	753.8	83.0	11.0%	797.8	92.0	11.5%	28.0	34.9	48.0	11.8	48.0	12.6
Professional Nurses	Women's Health Care Nurse Practitioner	4.0	2.0	50.0%	5.6	3.6	64.3%	0.0	0.0	6.0	4.5	6.0	5.2
Other Nursing Staff	Certified Nurse Assistant	348.0	33.0	9.5%	418.2	40.4	9.7%	33.0	40.4	18.0	5.2	18.0	4.5
Other Nursing Staff	Home Health Aide	23.0	0.0	0.0%	31.6	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	90.0	14.5	16.1%	135.3	21.7	16.1%	11.5	18.7	6.0	3.0	6.0	3.1
Other Nursing Staff	Personal Care Attendant	173.5	12.0	6.9%	249.8	18.0	7.2%	12.0	18.0	2.0	1.3	2.0	1.2

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Rural													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	101.0	10.0	9.9%	163.9	11.6	7.1%	9.0	9.8	26.0	13.8	26.0	15.8
Other Clinicians/Therapists	Occupational Therapist	34.0	16.0	47.1%	38.1	18.2	47.8%	14.0	16.2	30.0	15.3	30.0	16.1
Other Clinicians/Therapists	Pharmacist	88.5	11.0	12.4%	89.0	11.5	12.9%	9.0	9.5	36.0	13.5	36.0	12.7
Other Clinicians/Therapists	Physical Therapist	105.0	25.5	24.3%	118.2	28.0	23.7%	19.0	21.1	30.0	13.0	30.0	13.1
Other Clinicians/Therapists	Physician Assistant	60.0	20.5	34.2%	87.3	26.1	29.9%	8.5	15.7	30.0	9.3	30.0	7.5
Other Clinicians/Therapists	Speech Therapist	43.0	5.0	11.6%	48.0	5.5	11.5%	5.0	5.5	30.0	17.0	30.0	18.9
Other Clinicians/Therapists	Speech Language Pathologist	26.0	8.0	30.8%	29.9	8.4	28.0%	4.0	4.4	24.0	8.4	24.0	7.9
Behavioral Health	Aide/Village Counselor	194.0	23.0	11.9%	207.5	23.0	11.1%	10.0	10.0	17.0	7.0	17.0	6.4
Behavioral Health	Clinician	161.8	24.0	14.8%	200.9	28.1	14.0%	21.0	29.6	18.0	7.1	18.0	6.2
Behavioral Health	Chemical/Substance Counselor	93.0	9.0	9.7%	128.8	12.0	9.3%	9.0	12.0	18.0	5.8	18.0	5.7
Behavioral Health	Case Manager	104.5	5.0	4.8%	174.4	8.6	4.9%	4.0	7.1	6.0	2.4	6.0	2.9
Behavioral Health	Human Services Worker HS	346.5	36.0	10.4%	532.2	45.9	8.6%	12.0	21.9	12.0	3.2	12.0	2.6
Behavioral Health	Human Services Worker Degree	28.5	5.5	19.3%	45.1	8.3	18.3%	5.5	8.3	12.0	5.8	12.0	5.8
Behavioral Health	Marital/Family Therapist	13.0	2.0	15.4%	22.9	3.0	13.1%	2.0	3.0				
Behavioral Health	Professional Counselor	56.0	7.0	12.5%	75.8	7.0	9.2%	3.0	3.0	7.0	6.0	7.0	6.0
Behavioral Health	Psychiatric Aide/Technician	31.0	2.0	6.5%	32.5	2.0	6.2%			2.0	2.0	2.0	2.0
Behavioral Health	Psychologist/Psychological Assoc.	40.0	7.0	17.5%	43.0	8.0	18.6%	7.0	8.0	12.0	9.0	12.0	9.3
Behavioral Health	Clinical Psychologist	11.0	2.0	18.2%	19.4	2.5	12.9%	1.0	1.5	12.0	12.0	12.0	12.0
Behavioral Health	Social Worker BSW	35.0	0.0	0.0%	51.1	0.0	0.0%						
Behavioral Health	Social Worker MSW	24.0	1.0	4.2%	35.3	1.0	2.8%	0.0	0.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	11.0	0.0	0.0%	16.1	0.0	0.0%						
Allied Health	Clinical Lab Assistant	26.0	2.0	7.7%	43.6	5.2	11.9%	2.0	5.2	6.0	6.0	6.0	6.0
Allied Health	Dental Asst	197.5	16.0	8.1%	326.1	28.2	8.7%	11.0	19.1	24.0	6.0	24.0	6.0
Allied Health	Dental HA Therapist	27.0	1.0	3.7%	40.1	1.0	2.5%	1.0	1.0	48.0	48.0	48.0	48.0
Allied Health	Dental Hygienist	86.5	12.5	14.5%	153.9	24.3	15.8%	11.5	22.5	108.0	20.5	108.0	20.5
Allied Health	Echocardiography Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	EEG Technician	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	EKG Technician	11.0	0.0	0.0%	22.2	0.0	0.0%						
Allied Health	EMT/ETT	20.0	0.0	0.0%	24.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Rural													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	17.0	1.0	5.9%	17.0	1.0	5.9%			3.0	3.0	3.0	3.0
Allied Health	Massage Therapist	14.0	2.0	14.3%	19.2	2.4	12.3%	1.0	1.2	12.0	6.5	12.0	6.5
Allied Health	Medical Assistant	61.0	4.5	7.4%	117.2	11.7	10.0%	4.5	11.7	6.0	4.0	6.0	4.0
Allied Health	Medical Lab Technician	32.5	1.5	4.6%	44.5	2.3	5.2%	1.5	2.3	6.0	4.5	6.0	5.2
Allied Health	Medical Technician	72.5	5.0	6.9%	75.7	6.6	8.7%	4.0	5.6	12.0	5.3	12.0	7.2
Allied Health	MRI/CT Technician	21.0	1.0	4.8%	21.0	1.0	4.8%	0.0	0.0				
Allied Health	Nuclear Medicine Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Paramedic	6.0	4.0	66.7%	6.0	4.0	66.7%	4.0	4.0				
Allied Health	Pharmacy Technician	123.0	5.0	4.1%	133.1	6.6	5.0%	5.0	6.6	5.0	3.0	5.0	3.0
Allied Health	Phlebotomist	47.3	3.0	6.3%	65.8	4.6	7.0%	2.0	3.6	6.0	5.0	6.0	5.3
Allied Health	Physical Therapy Assistant	21.0	6.0	28.6%	24.4	6.7	27.4%	5.0	5.7	12.0	7.3	12.0	7.1
Allied Health	Radiology Technician	59.5	2.0	3.4%	73.1	2.0	2.7%	1.0	1.0	8.0	5.5	8.0	5.5
Allied Health	Respiratory Therapist	31.0	1.0	3.2%	31.0	1.0	3.2%						
Allied Health	Sonographer	15.0	3.0	20.0%	15.0	3.0	20.0%	1.0	1.0	24.0	24.0	24.0	24.0
Allied Health	Sterile Processing Technician	19.0	3.0	15.8%	22.2	3.0	13.5%	3.0	3.0	3.0	2.0	3.0	2.0
Allied Health	Surgical Tech	17.0	5.0	29.4%	17.0	5.0	29.4%	3.0	3.0	7.0	5.5	7.0	5.5
Health Education and Community Wellness	Community Health Representative	27.0	3.0	11.1%	28.6	3.0	10.5%	3.0	3.0	16.0	9.0	16.0	9.0
Health Education and Community Wellness	Community Wellness Advocate	13.0	1.0	7.7%	17.8	2.6	14.6%	1.0	2.6				
Health Education and Community Wellness	Dietitian	13.5	2.0	14.8%	13.5	2.0	14.8%	0.0	0.0	9.0	7.0	9.0	7.0
Health Education and Community Wellness	Health Educator	8.0	1.0	12.5%	11.2	2.6	23.2%	1.0	2.6				
Health Education and Community Wellness	Nutritionist	17.0	1.0	5.9%	24.5	1.5	6.1%	1.0	1.5	3.0	3.0	3.0	3.0
Health Education and Community Wellness	Village Health Educator	15.0	0.0	0.0%	15.0	0.0	0.0%						
Health Education and Community Wellness	Community Health Aide/ Practitioner	224.0	15.0	6.7%	227.2	16.6	7.3%	2.0	3.6	18.0	11.5	18.0	14.4

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Rural													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/ Mgr	302.5	7.0	2.3%	405.0	9.6	2.4%	5.0	7.6	26.0	11.1	26.0	12.9
Managers and Administrators	Behavioral Health Supervisor	40.0	1.0	2.5%	53.7	1.5	2.8%	0.0	0.0	3.0	3.0	3.0	3.0
Managers and Administrators	Health Information Administrator/Manager	29.0	3.0	10.3%	37.3	3.0	8.0%	2.0	2.0	12.0	12.0	12.0	12.0
Managers and Administrators	Hospital Administrator	5.0	1.0	20.0%	5.0	1.0	20.0%	0.0	0.0	6.0	6.0	6.0	6.0
Managers and Administrators	Human Resources Director	35.0	3.0	8.6%	45.8	5.6	12.2%	3.0	5.6	6.0	2.0	6.0	2.8
Managers and Administrators	Medical Director	38.5	2.0	5.2%	48.3	3.6	7.5%	2.0	3.6	12.0	7.0	12.0	9.2
Managers and Administrators	Nursing Director/Executive	23.0	4.0	17.4%	27.7	7.2	26.0%	1.0	2.6	48.0	20.7	48.0	25.5
Information and Reimbursement	Billing Clerk/Technician	229.5	16.0	7.0%	329.2	20.2	6.1%	15.0	18.7	36.0	6.4	36.0	8.8
Information and Reimbursement	Billing Supervisor	65.0	3.0	4.6%	105.3	5.1	4.8%	1.0	2.6	3.0	1.7	3.0	1.9
Information and Reimbursement	Compliance/Auditor	15.0	0.0	0.0%	21.8	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	116.0	5.5	4.7%	152.6	6.3	4.1%	5.5	6.3	6.0	2.8	6.0	3.6
Information and Reimbursement	Transcript	31.0	0.0	0.0%	40.0	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	43.0	2.0	4.7%	70.2	2.0	2.9%	1.0	1.0				
Information and Reimbursement	Certified Coder	37.0	6.0	16.2%	48.0	7.6	15.8%	4.0	5.6	36.0	16.0	36.0	23.0
Information and Reimbursement	Coding Specialist	14.0	1.0	7.1%	24.1	1.0	4.1%	1.0	1.0	10.0	10.0	10.0	10.0
Paramedics	Paramedic	124.0	2.0	1.6%	153.0	2.5	1.6%	2.0	2.5	6.0	4.0	6.0	4.0
Paramedics	Firefighter with Emergency Medical Service	276.0	1.0	0.4%	340.5	1.2	0.4%	1.0	1.2	2.0	2.0	2.0	2.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Labor Market Regions

Anchorage/Mat-Su													
Organization Type	Occupations	Sample			Estimate			No Vacancies that can be Filled w/New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	17.0	0.0	0.0%	29.8	0.0	0.0%						
Physicians	Family Physician	169.0	12.0	7.1%	368.8	21.6	5.9%	10.0	16.4	24.0	10.4	24.0	10.9
Physicians	General Internist	61.0	4.0	6.6%	83.5	10.4	12.5%	3.0	7.8				
Physicians	Psychiatrist	37.0	7.0	18.9%	51.8	7.5	14.5%	3.0	3.0	15.0	6.0	15.0	5.3
Physicians	Radiation Oncologist	5.0	3.0	60.0%	5.0	3.0	60.0%	2.0	2.0	10.0	9.3	10.0	9.3
Physicians	Radiologist	24.0	0.0	0.0%	32.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger	128.0	3.0	2.3%	148.6	3.0	2.0%	1.0	1.0	2.0	1.0	2.0	1.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	111.0	4.0	3.6%	139.9	5.6	4.0%	0.0	0.0	0.0	0.0	0.0	0.0
Professional Nurses	Family Nurse Practitioner	109.0	15.0	13.8%	212.2	26.2	12.4%	9.0	18.6	9.0	3.4	9.0	2.7
Professional Nurses	Nurse Anesthetist	16.0	0.0	0.0%	16.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	2.0	0.0	0.0%	2.0	0.0	0.0%						
Professional Nurses	Nurse Educator	30.0	4.0	13.3%	31.6	4.0	12.7%	1.0	1.0	1.0	1.0	1.0	1.0
Professional Nurses	Nurse Manager	75.0	5.0	6.7%	94.1	6.6	7.0%	0.0	0.0	16.0	7.3	16.0	6.2
Professional Nurses	Nurse Midwife	17.0	0.0	0.0%	25.0	0.0	0.0%						
Professional Nurses	Pediatric Nurse Practitioner	10.0	3.0	30.0%	16.4	7.8	47.6%	3.0	7.8	12.0	8.3	12.0	8.3
Professional Nurses	Psychiatric Nurse	81.0	11.0	13.6%	84.2	11.0	13.1%	8.0	8.0	6.0	3.3	6.0	3.3
Professional Nurses	Psychiatric Nurse Practitioner	20.0	3.0	15.0%	33.3	3.0	9.0%	1.0	1.0	4.0	2.5	4.0	2.5
Professional Nurses	Public Health Nurse	28.0	0.0	0.0%	28.0	0.0	0.0%						
Professional Nurses	Registered Nurse	1597.0	167.5	10.5%	1956.1	194.9	10.0%	24.5	41.7	16.0	4.3	16.0	3.7
Professional Nurses	Women's Health Care Nurse Practitioner	15.0	1.0	6.7%	35.9	2.6	7.3%	1.0	2.6	24.0	24.0	24.0	24.0
Other Nursing Staff	Certified Nurse Assistant	425.0	31.0	7.3%	561.5	40.0	7.1%	25.0	30.8	12.0	4.3	12.0	3.6
Other Nursing Staff	Home Health Aide	21.0	1.0	4.8%	27.6	1.5	5.4%	1.0	1.5	10.0	10.0	10.0	10.0
Other Nursing Staff	Licensed Practical Nurse	202.0	20.0	9.9%	318.9	26.9	8.4%	17.0	20.7	12.0	3.7	12.0	3.5
Other Nursing Staff	Personal Care Attendant	296.5	12.0	4.0%	350.8	17.5	5.0%	11.0	16.5	12.0	2.8	12.0	2.8

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Anchorage/Mat-Su													
Organization Type	Occupations	Sample			Estimate			No Vacancies that can be Filled w/New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	171.0	2.0	1.2%	305.7	2.8	0.9%	1.0	1.8	0.0	0.0	0.0	0.0
Other Clinicians/Therapists	Occupational Therapist	77.0	13.0	16.9%	85.5	14.4	16.8%	13.0	14.4	36.0	18.0	36.0	18.1
Other Clinicians/Therapists	Pharmacist	269.5	15.0	5.6%	282.3	15.0	5.3%	9.0	9.0	18.0	7.3	18.0	7.3
Other Clinicians/Therapists	Physical Therapist	118.0	15.0	12.7%	142.3	16.7	11.8%	12.5	14.0	30.0	7.3	30.0	7.8
Other Clinicians/Therapists	Physician Assistant	84.0	5.0	6.0%	156.2	9.8	6.3%	6.0	12.4	7.0	3.8	7.0	3.5
Other Clinicians/Therapists	Speech Therapist	43.5	7.5	17.2%	50.4	8.9	17.6%	5.5	6.5	30.0	13.0	30.0	14.6
Other Clinicians/Therapists	Speech Language Pathologist	89.5	6.5	7.3%	92.9	6.9	7.4%	5.5	5.9	60.0	15.2	60.0	14.4
Behavioral Health	Aide/Village Counselor	40.0	2.0	5.0%	58.0	3.0	5.2%	2.0	3.0	3.0	3.0	3.0	3.0
Behavioral Health	Clinician	158.0	11.0	7.0%	201.0	14.0	7.0%	4.5	5.8	9.0	2.2	9.0	1.9
Behavioral Health	Chemical/Substance Counselor	89.0	14.0	15.7%	137.1	20.5	14.9%	10.0	14.5	9.0	2.4	9.0	2.4
Behavioral Health	Case Manager	488.0	25.0	5.1%	604.7	36.6	6.1%	24.0	35.1	6.0	2.0	6.0	1.9
Behavioral Health	Human Services Worker HS	536.0	65.0	12.1%	793.7	97.5	12.3%	65.0	97.5	6.0	1.4	6.0	1.4
Behavioral Health	Human Services Worker Degree	116.0	11.0	9.5%	174.0	16.5	9.5%	11.0	16.5	12.0	5.0	12.0	5.0
Behavioral Health	Marital/Family Therapist	19.0	1.0	5.3%	32.0	1.5	4.7%	1.0	1.5				
Behavioral Health	Professional Counselor	63.0	2.0	3.2%	79.4	2.0	2.5%	0.0	0.0	9.0	9.0	9.0	9.0
Behavioral Health	Psychiatric Aide/Technician	18.0	0.0	0.0%	21.1	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	34.0	3.0	8.8%	52.4	3.0	5.7%	3.0	3.0	9.0	9.0	9.0	9.0
Behavioral Health	Clinical Psychologist	18.0	2.0	11.1%	30.1	3.6	12.0%	0.0	0.0	0.0	0.0	0.0	0.0
Behavioral Health	Social Worker BSW	35.0	0.0	0.0%	50.1	0.0	0.0%						
Behavioral Health	Social Worker MSW	46.0	1.0	2.2%	56.2	1.0	1.8%	1.0	1.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	17.0	0.0	0.0%	20.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant	55.0	0.0	0.0%	64.6	0.0	0.0%			2.0	2.0	2.0	2.0
Allied Health	Dental Asst	304.5	17.0	5.6%	511.7	30.9	6.0%	15.0	27.3	36.0	3.4	36.0	3.4
Allied Health	Dental HA Therapist	3.0	1.0	33.3%	4.6	1.0	21.6%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	Dental Hygienist	166.0	8.5	5.1%	292.8	15.5	5.3%	8.5	15.5	18.0	3.1	18.0	3.1
Allied Health	Echocardiography Technician	8.0	0.0	0.0%	8.0	0.0	0.0%						
Allied Health	EEG Technician	10.0	0.0	0.0%	10.0	0.0	0.0%						
Allied Health	EKG Technician	23.0	0.0	0.0%	35.8	0.0	0.0%						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Anchorage/Mat-Su													
Organization Type	Occupations	Sample			Estimate			No Vacancies that can be Filled w/New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	21.0	1.0	4.8%	24.2	1.0	4.1%	0.0	0.0	0.5	0.5	0.5	0.5
Allied Health	Massage Therapist	41.0	1.0	2.4%	48.8	1.0	2.0%	1.0	1.0	3.0	3.0	3.0	3.0
Allied Health	Medical Assistant	276.0	7.0	2.5%	558.4	15.0	2.7%	6.0	12.4	3.0	1.5	3.0	1.3
Allied Health	Medical Lab Technician	57.5	0.0	0.0%	88.0	0.0	0.0%						
Allied Health	Medical Technician	85.0	1.0	1.2%	97.8	1.0	1.0%	1.0	1.0	1.0	1.0	1.0	1.0
Allied Health	MRI/CT Technician	25.0	0.0	0.0%	25.0	0.0	0.0%						
Allied Health	Nuclear Medicine Technician	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Paramedic	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Pharmacy Technician	602.5	14.0	2.3%	621.8	14.0	2.3%	11.0	11.0	3.0	1.7	3.0	1.7
Allied Health	Phlebotomist	74.5	2.0	2.7%	98.6	2.0	2.0%	2.0	2.0	4.0	4.0	4.0	4.0
Allied Health	Physical Therapy Assistant	24.0	6.0	25.0%	29.2	6.4	21.8%	5.0	5.2	4.0	3.5	4.0	3.5
Allied Health	Radiology Technician	93.0	2.0	2.2%	125.1	3.6	2.9%	2.0	3.6	0.0	0.0	0.0	0.0
Allied Health	Respiratory Therapist	38.0	3.0	7.9%	38.0	3.0	7.9%	2.0	2.0	5.0	3.5	5.0	3.5
Allied Health	Sonographer	36.0	4.0	11.1%	47.2	5.6	11.9%	4.0	5.6	4.0	2.0	4.0	1.1
Allied Health	Sterile Processing Technician	57.0	5.0	8.8%	69.8	5.0	7.2%	4.0	4.0	3.0	2.7	3.0	2.7
Allied Health	Surgical Tech	46.0	3.0	6.5%	46.0	3.0	6.5%	3.0	3.0	4.0	4.0	4.0	4.0
Health Education and Community Wellness	Community Health Representative	9.0	1.0	11.1%	12.2	1.0	8.2%	1.0	1.0	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Community Wellness Advocate	11.0	0.0	0.0%	12.6	0.0	0.0%						
Health Education and Community Wellness	Dietitian	13.0	7.0	53.8%	13.5	7.0	51.9%	5.0	5.0	9.0	6.0	9.0	6.0
Health Education and Community Wellness	Health Educator	91.0	1.0	1.1%	92.6	1.0	1.1%	1.0	1.0	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Nutritionist	16.0	0.0	0.0%	23.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator	2.0	2.0	100.0%	2.0	2.0	100.0%	1.0	1.0	9.0	9.0	9.0	9.0
Health Education and Community Wellness	Community Health Aide/Practitioner	42.0	4.0	9.5%	42.0	4.0	9.5%	4.0	4.0	9.0	6.3	9.0	6.3

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Anchorage/Mat-Su													
Organization Type	Occupations	Sample			Estimate			No Vacancies that can be Filled w/New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	430.0	13.0	3.0%	710.6	19.5	2.7%	4.0	7.1	8.0	2.2	8.0	2.2
Managers and Administrators	Behavioral Health Supervisor	100.0	6.0	6.0%	145.4	8.5	5.8%	3.0	4.5	6.0	2.3	6.0	1.9
Managers and Administrators	Health Info. Administrator/Manager	31.0	0.0	0.0%	48.9	0.0	0.0%						
Managers and Administrators	Hospital Administrator	4.0	0.0	0.0%	4.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	45.5	3.0	6.6%	71.4	4.0	5.6%	1.0	1.5	3.0	1.3	3.0	1.4
Managers and Administrators	Medical Director	45.0	3.0	6.7%	69.0	5.1	7.4%	0.0	0.0	6.0	3.5	6.0	4.2
Managers and Administrators	Nursing Director/Executive	23.0	2.0	8.7%	35.2	3.6	10.2%	0.0	0.0	1.0	0.5	1.0	0.3
Information and Reimbursement	Billing Clerk/Technician	392.0	14.0	3.6%	673.8	25.0	3.7%	8.0	15.1	18.0	4.8	18.0	4.4
Information and Reimbursement	Billing Supervisor	100.0	2.0	2.0%	181.6	2.7	1.5%	0.0	0.0	3.0	3.0	3.0	3.0
Information and Reimbursement	Compliance/Auditor	32.0	1.0	3.1%	58.0	1.0	1.7%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Records Clerk/Technician	277.5	20.0	7.2%	415.9	25.3	6.1%	13.0	16.7	3.0	1.0	3.0	0.6
Information and Reimbursement	Transcript	46.0	0.0	0.0%	82.3	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	110.0	4.0	3.6%	163.2	4.0	2.5%	1.0	1.0	6.0	6.0	6.0	6.0
Information and Reimbursement	Certified Coder	68.0	0.0	0.0%	160.2	0.0	0.0%						
Information and Reimbursement	Coding Specialist	40.0	2.0	5.0%	54.8	2.0	3.6%	0.0	0.0	2.0	2.0	2.0	2.0
Paramedics	Paramedic	83.0	2.0	2.4%	102.4	2.5	2.4%	2.0	2.5	3.0	3.0	3.0	3.0
Paramedics	Firefighter with Emergency Medical Service	506.0	6.0	1.2%	624.3	7.4	1.2%	3.0	3.7	7.0	4.0	7.0	4.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Gulf Coast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	9.5	0.0	0.0%	11.1	0.0	0.0%						
Physicians	Family Physician	25.5	7.0	27.5%	52.8	13.4	25.4%	4.0	7.2	48.0	18.8	48.0	23.3
Physicians	General Internist	7.0	0.0	0.0%	7.0	0.0	0.0%						
Physicians	Psychiatrist	5.0	0.0	0.0%	8.7	0.0	0.0%						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger	11.0	3.0	27.3%	16.3	6.7	41.1%	3.0	6.7	48.0	30.0	48.0	29.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	15.5	5.5	35.5%	27.5	7.9	28.7%	5.5	7.9	6.0	4.3	6.0	4.8
Professional Nurses	Nurse Anesthetist	4.0	0.0	0.0%	4.0	0.0	0.0%						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator	4.0	1.0	25.0%	5.6	1.0	17.8%	0.0	0.0	5.0	5.0	5.0	5.0
Professional Nurses	Nurse Manager	15.0	3.0	20.0%	17.6	5.1	29.0%	1.0	2.6	48.0	18.7	48.0	26.1
Professional Nurses	Nurse Midwife	1.0	1.0	100.0%	2.6	2.6	100.0%	1.0	2.6	6.0	6.0	6.0	6.0
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner	1.0	1.0	100.0%	2.6	2.6	100.0%	1.0	2.6	8.0	8.0	8.0	8.0
Professional Nurses	Public Health Nurse	19.0	0.0	0.0%	19.0	0.0	0.0%						
Professional Nurses	Registered Nurse	335.0	33.0	9.9%	355.3	37.2	10.5%	15.0	18.7	36.0	10.3	36.0	13.5
Professional Nurses	Women's Health Care Nurse Practitioner	1.0	1.0	100.0%	2.6	2.6	100.0%	0.0	0.0	6.0	6.0	6.0	6.0
Other Nursing Staff	Certified Nurse Assistant	205.0	26.0	12.7%	235.5	31.3	13.3%	26.0	31.3	18.0	5.9	18.0	4.9
Other Nursing Staff	Home Health Aide	14.0	0.0	0.0%	21.0	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	23.0	7.0	30.4%	34.2	11.8	34.5%	7.0	11.8	3.0	2.4	3.0	2.4
Other Nursing Staff	Personal Care Attendant	31.0	0.0	0.0%	43.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Gulf Coast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	31.0	1.0	3.2%	52.2	1.0	1.9%	1.0	1.0	4.0	4.0	4.0	4.0
Other Clinicians/Therapists	Occupational Therapist	11.0	7.0	63.6%	12.6	7.9	62.8%	6.0	6.9	12.0	7.8	12.0	7.9
Other Clinicians/Therapists	Pharmacist	26.0	2.0	7.7%	26.5	2.5	9.4%	2.0	2.5	3.0	2.0	3.0	2.2
Other Clinicians/Therapists	Physical Therapist	40.0	9.0	22.5%	45.2	10.1	22.3%	6.0	6.9	24.0	11.7	24.0	11.5
Other Clinicians/Therapists	Physician Assistant	11.0	2.5	22.7%	19.0	4.9	25.8%	2.5	4.9	6.0	5.0	6.0	5.4
Other Clinicians/Therapists	Speech Therapist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Other Clinicians/Therapists	Speech Language Pathologist	12.0	6.0	50.0%	12.9	6.2	48.1%	2.0	2.2	12.0	6.0	12.0	5.8
Behavioral Health	Aide/Village Counselor	13.0	3.0	23.1%	13.0	3.0	23.1%	2.0	2.0	17.0	17.0	17.0	17.0
Behavioral Health	Clinician	15.5	2.0	12.9%	20.8	3.0	14.5%	2.0	3.0	12.0	9.0	12.0	9.0
Behavioral Health	Chemical/Substance Counselor	34.5	1.0	2.9%	43.3	1.0	2.3%	1.0	1.0	1.0	1.0	1.0	1.0
Behavioral Health	Case Manager	31.0	0.0	0.0%	67.0	0.0	0.0%						
Behavioral Health	Human Services Worker HS	85.0	4.0	4.7%	182.7	10.4	5.7%	4.0	10.4	2.0	2.0	2.0	2.0
Behavioral Health	Human Services Worker Degree	8.0	1.0	12.5%	15.3	1.5	9.8%	1.0	1.5	12.0	12.0	12.0	12.0
Behavioral Health	Marital/Family Therapist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Behavioral Health	Professional Counselor	38.0	3.0	7.9%	47.5	3.0	6.3%	3.0	3.0	7.0	7.0	7.0	7.0
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate	14.0	2.0	14.3%	14.0	2.0	14.3%	2.0	2.0	12.0	7.5	12.0	7.5
Behavioral Health	Clinical Psychologist	5.0	0.0	0.0%	11.9	0.0	0.0%						
Behavioral Health	Social Worker BSW	7.0	0.0	0.0%	8.0	0.0	0.0%						
Behavioral Health	Social Worker MSW	5.0	0.0	0.0%	9.2	0.0	0.0%						
Behavioral Health	Social Worker LCSW	2.0	0.0	0.0%	4.1	0.0	0.0%						
Allied Health	Clinical Lab Assistant	6.0	1.0	16.7%	14.0	2.6	18.6%	1.0	2.6	6.0	6.0	6.0	6.0
Allied Health	Dental Asst	55.5	5.0	9.0%	95.9	9.9	10.3%	5.0	9.9	12.0	4.8	12.0	4.6
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist	38.0	6.0	15.8%	68.2	11.7	17.2%	6.0	11.7	108.0	22.8	108.0	21.7
Allied Health	Echocardiography Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician	3.0	0.0	0.0%	4.6	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Gulf Coast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	EMT/ETT	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Mammographer	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Massage Therapist	6.0	2.0	33.3%	6.9	2.4	34.2%	1.0	1.2	12.0	6.5	12.0	6.5
Allied Health	Medical Assistant	27.0	3.0	11.1%	49.5	7.8	15.8%	3.0	7.8	6.0	3.0	6.0	3.0
Allied Health	Medical Lab Technician	12.0	1.0	8.3%	15.2	1.0	6.6%	1.0	1.0	3.0	3.0	3.0	3.0
Allied Health	Medical Technician	23.0	0.0	0.0%	23.0	0.0	0.0%						
Allied Health	MRI/CT Technician	8.0	0.0	0.0%	8.0	0.0	0.0%						
Allied Health	Nuclear Medicine Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	34.0	0.0	0.0%	36.1	0.0	0.0%						
Allied Health	Phlebotomist	17.3	1.0	5.8%	21.4	2.6	12.2%	1.0	2.6	6.0	6.0	6.0	6.0
Allied Health	Physical Therapy Assistant	13.0	5.0	38.5%	15.7	5.5	35.1%	4.0	4.5	12.0	6.4	12.0	6.1
Allied Health	Radiology Technician	22.0	0.0	0.0%	22.0	0.0	0.0%						
Allied Health	Respiratory Therapist	10.0	0.0	0.0%	10.0	0.0	0.0%						
Allied Health	Sonographer	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Sterile Processing Technician	5.0	0.0	0.0%	6.6	0.0	0.0%						
Allied Health	Surgical Tech	6.0	2.0	33.3%	6.0	2.0	33.3%	0.0	0.0	7.0	7.0	7.0	7.0
Health Education and Community Wellness	Community Health Representative	19.0	3.0	15.8%	20.6	3.0	14.6%	3.0	3.0	16.0	9.0	16.0	9.0
Health Education and Community Wellness	Community Wellness Advocate	2.0	0.0	0.0%	5.2	0.0	0.0%						
Health Education and Community Wellness	Dietitian	5.0	0.0	0.0%	5.0	0.0	0.0%						
Health Education and Community Wellness	Health Educator	3.0	0.0	0.0%	4.6	0.0	0.0%						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner	15.0	1.0	6.7%	18.2	2.6	14.3%	1.0	2.6	18.0	18.0	18.0	18.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Gulf Coast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	102.0	0.0	0.0%	133.7	0.0	0.0%						
Managers and Administrators	Behavioral Health Supervisor	9.0	1.0	11.1%	13.1	1.5	11.4%	0.0	0.0	3.0	3.0	3.0	3.0
Managers and Administrators	Health Information Administrator/Manager	10.0	0.0	0.0%	13.1	0.0	0.0%						
Managers and Administrators	Hospital Administrator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	14.0	1.0	7.1%	20.2	2.6	12.9%	1.0	2.6	6.0	6.0	6.0	6.0
Managers and Administrators	Medical Director	9.3	1.0	10.8%	13.4	1.0	7.5%	1.0	1.0	2.0	2.0	2.0	2.0
Managers and Administrators	Nursing Director/Executive	10.0	1.0	10.0%	12.6	2.6	20.7%	1.0	2.6	48.0	48.0	48.0	48.0
Information and Reimbursement	Billing Clerk/Technician	71.0	5.0	7.0%	106.3	8.6	8.1%	5.0	8.6	36.0	10.0	36.0	12.9
Information and Reimbursement	Billing Supervisor	22.0	1.0	4.5%	34.1	2.6	7.6%	1.0	2.6	2.0	2.0	2.0	2.0
Information and Reimbursement	Compliance/Auditor	5.0	0.0	0.0%	7.6	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	28.0	2.0	7.1%	44.3	2.0	4.5%	2.0	2.0	2.0	1.0	2.0	1.0
Information and Reimbursement	Transcript	17.0	0.0	0.0%	18.6	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	12.0	0.0	0.0%	20.8	0.0	0.0%						
Information and Reimbursement	Certified Coder	13.0	1.0	7.7%	17.4	1.0	5.8%	0.0	0.0	0.0	0.0	0.0	0.0
Information and Reimbursement	Coding Specialist	5.0	0.0	0.0%	8.7	0.0	0.0%						
Paramedics	Paramedic	76.0	0.0	0.0%	93.8	0.0	0.0%						
Paramedics	Firefighter with Emergency Medical Service	125.0	0.0	0.0%	154.2	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Interior													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	2.0	0.0	0.0%	2.2	0.0	0.0%						
Physicians	Family Physician	27.0	5.5	20.4%	67.1	12.7	19.0%	3.0	7.8	24.0	9.8	24.0	9.8
Physicians	General Internist	14.5	0.0	0.0%	36.2	0.0	0.0%						
Physicians	Psychiatrist	5.0	0.0	0.0%	10.8	0.0	0.0%						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger	15.0	5.0	33.3%	28.3	8.7	30.7%	1.0	1.0	0.0	0.0	0.0	0.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	122.0	28.0	23.0%	123.6	28.0	22.7%	5.0	5.0				
Professional Nurses	Family Nurse Practitioner	19.0	6.0	31.6%	32.1	10.8	33.7%	6.0	10.8	24.0	14.8	24.0	12.8
Professional Nurses	Nurse Anesthetist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	2.0	0.0	0.0%	3.6	0.0	0.0%						
Professional Nurses	Nurse Educator	11.0	0.0	0.0%	14.2	0.0	0.0%						
Professional Nurses	Nurse Manager	13.0	2.0	15.4%	15.1	3.6	23.9%	0.0	0.0	9.0	9.0	9.0	9.0
Professional Nurses	Nurse Midwife	4.0	3.0	75.0%	8.8	7.8	88.7%	1.0	2.6	12.0	12.0	12.0	12.0
Professional Nurses	Pediatric Nurse Practitioner	3.0	1.0	33.3%	7.8	2.6	33.3%	1.0	2.6	12.0	12.0	12.0	12.0
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner	4.0	2.0	50.0%	6.0	3.0	50.0%	2.0	3.0	10.0	10.0	10.0	10.0
Professional Nurses	Public Health Nurse	30.0	2.0	6.7%	30.0	2.0	6.7%	2.0	2.0	8.0	8.0	8.0	8.0
Professional Nurses	Registered Nurse	239.5	15.0	6.3%	307.8	23.0	7.5%	6.0	10.8	2.0	1.5	2.0	1.7
Professional Nurses	Women's Health Care Nurse Practitioner	4.0	2.0	50.0%	10.4	5.2	50.0%						
Other Nursing Staff	Certified Nurse Assistant	191.0	29.0	15.2%	206.7	30.6	14.8%	25.0	25.0	24.0	12.5	24.0	12.5
Other Nursing Staff	Home Health Aide	17.0	10.0	58.8%	18.6	10.0	53.8%	10.0	10.0	16.0	16.0	16.0	16.0
Other Nursing Staff	Licensed Practical Nurse	70.0	8.0	11.4%	105.6	17.5	16.6%	4.0	8.2	3.0	1.8	3.0	1.9
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Interior													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	62.0	0.0	0.0%	110.8	0.0	0.0%	0.0	0.0	0.0	0.0	0.0	0.0
Other Clinicians/Therapists	Occupational Therapist	21.0	2.0	9.5%	23.8	2.4	9.9%	2.0	2.4	1.0	1.0	1.0	1.0
Other Clinicians/Therapists	Pharmacist	33.0	6.0	18.2%	42.6	7.6	17.8%	4.0	4.0	24.0	13.3	24.0	13.3
Other Clinicians/Therapists	Physical Therapist	43.0	5.5	12.8%	50.4	6.5	12.8%	5.0	5.9	24.0	8.8	24.0	8.8
Other Clinicians/Therapists	Physician Assistant	48.0	4.0	8.3%	98.1	7.2	7.3%	4.0	7.2	24.0	13.0	24.0	10.2
Other Clinicians/Therapists	Speech Therapist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Other Clinicians/Therapists	Speech Language Pathologist	45.0	2.0	4.4%	46.2	2.4	5.1%	2.0	2.4	24.0	24.0	24.0	24.0
Behavioral Health	Aide/Village Counselor	19.0	7.0	36.8%	27.0	11.8	43.7%	4.0	4.0	5.0	5.0	5.0	5.0
Behavioral Health	Clinician	83.0	2.0	2.4%	95.5	2.0	2.1%	2.0	2.0	18.0	10.0	18.0	10.0
Behavioral Health	Chemical/Substance Counselor	40.0	12.0	30.0%	50.1	13.5	26.9%	5.0	6.0	18.0	7.0	18.0	6.3
Behavioral Health	Case Manager	38.0	3.0	7.9%	53.5	4.0	7.5%	1.0	1.0	1.0	1.0	1.0	1.0
Behavioral Health	Human Services Worker HS	58.0	7.0	12.1%	84.5	9.5	11.2%	7.0	9.5	2.0	1.3	2.0	1.3
Behavioral Health	Human Services Worker Degree	7.0	2.0	28.6%	8.5	3.0	35.3%	2.0	3.0	0.0	0.0	0.0	0.0
Behavioral Health	Marital/Family Therapist	2.0	0.0	0.0%	2.5	0.0	0.0%						
Behavioral Health	Professional Counselor	8.0	0.0	0.0%	11.0	0.0	0.0%						
Behavioral Health	Psychiatric Aide/Technician	2.0	0.0	0.0%	2.0	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	8.0	1.0	12.5%	8.0	1.0	12.5%	0.0	0.0	1.0	1.0	1.0	1.0
Behavioral Health	Clinical Psychologist	4.0	1.0	25.0%	4.5	1.5	33.3%	1.0	1.5				
Behavioral Health	Social Worker BSW	4.0	0.0	0.0%	4.0	0.0	0.0%						
Behavioral Health	Social Worker MSW	8.0	0.0	0.0%	14.4	0.0	0.0%						
Behavioral Health	Social Worker LCSW	2.0	1.0	50.0%	5.2	2.6	50.0%						
Allied Health	Clinical Lab Assistant	8.0	0.0	0.0%	9.6	0.0	0.0%						
Allied Health	Dental Asst	99.0	3.0	3.0%	180.3	6.2	3.4%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Dental HA Therapist	2.0	0.0	0.0%	5.2	0.0	0.0%						
Allied Health	Dental Hygienist	41.0	1.0	2.4%	74.5	1.8	2.4%	1.0	1.8	5.0	5.0	5.0	5.0
Allied Health	Echocardiography Technician	5.0	1.0	20.0%	5.0	1.0	20.0%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician	5.0	0.0	0.0%	5.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Interior													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	EMT/ETT	4.0	0.0	0.0%	4.9	0.0	0.0%						
Allied Health	Mammographer	7.0	0.0	0.0%	11.8	0.0	0.0%						
Allied Health	Massage Therapist	2.0	0.0	0.0%	5.2	0.0	0.0%						
Allied Health	Medical Assistant	30.0	1.0	3.3%	57.3	2.6	4.5%	1.0	2.6	0.0	0.0	0.0	0.0
Allied Health	Medical Lab Technician	16.0	0.0	0.0%	20.8	0.0	0.0%						
Allied Health	Medical Technician	33.0	2.0	6.1%	36.2	3.6	10.0%	2.0	3.6	12.0	12.0	12.0	12.0
Allied Health	MRI/CT Technician	15.0	1.0	6.7%	15.0	1.0	6.7%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Nuclear Medicine Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	46.0	4.0	8.7%	66.9	7.2	10.8%	0.0	0.0				
Allied Health	Phlebotomist	52.0	3.0	5.8%	53.6	3.0	5.6%	3.0	3.0	0.0	0.0	0.0	0.0
Allied Health	Physical Therapy Assistant	11.0	4.0	36.4%	12.2	4.7	38.5%	4.0	4.7	12.0	8.3	12.0	8.3
Allied Health	Radiology Technician	28.0	0.0	0.0%	31.2	0.0	0.0%						
Allied Health	Respiratory Therapist	6.0	0.0	0.0%	6.0	0.0	0.0%						
Allied Health	Sonographer	9.0	1.0	11.1%	9.0	1.0	11.1%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Sterile Processing Technician	14.0	0.0	0.0%	14.0	0.0	0.0%						
Allied Health	Surgical Tech	8.0	1.0	12.5%	8.0	1.0	12.5%	1.0	1.0				
Health Education and Community Wellness	Community Health Representative	12.0	1.0	8.3%	20.0	2.6	13.0%						
Health Education and Community Wellness	Community Wellness Advocate	2.0	0.0	0.0%	2.0	0.0	0.0%						
Health Education and Community Wellness	Dietitian	7.0	0.0	0.0%	7.2	0.0	0.0%						
Health Education and Community Wellness	Health Educator	5.0	0.0	0.0%	5.0	0.0	0.0%						
Health Education and Community Wellness	Nutritionist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner	54.0	18.0	33.3%	54.0	18.0	33.3%	18.0	18.0	95.0	95.0	95.0	95.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Interior													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	62.0	2.0	3.2%	105.4	2.2	2.1%	1.0	1.0	12.0	12.0	12.0	12.0
Managers and Administrators	Behavioral Health Supervisor	16.0	1.0	6.3%	26.9	2.6	9.7%						
Managers and Administrators	Health Information Administrator/Manager	7.0	0.0	0.0%	13.4	0.0	0.0%						
Managers and Administrators	Hospital Administrator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	12.0	1.0	8.3%	17.7	1.0	5.6%	0.0	0.0	7.0	7.0	7.0	7.0
Managers and Administrators	Medical Director	6.0	1.0	16.7%	10.7	1.5	14.0%	0.0	0.0	4.0	4.0	4.0	4.0
Managers and Administrators	Nursing Director/Executive	4.0	0.0	0.0%	7.2	0.0	0.0%						
Information and Reimbursement	Billing Clerk/Technician	95.5	5.0	5.2%	137.6	8.4	6.1%	1.0	1.2	6.0	6.0	6.0	6.0
Information and Reimbursement	Billing Supervisor	23.0	1.0	4.3%	38.7	1.0	2.6%			0.0	0.0	0.0	0.0
Information and Reimbursement	Compliance/Auditor	6.0	1.0	16.7%	11.3	2.6	23.0%						
Information and Reimbursement	Records Clerk/Technician	54.0	3.0	5.6%	79.3	5.6	7.1%	2.0	3.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Transcript	23.0	1.0	4.3%	27.2	1.5	5.5%						
Information and Reimbursement	Coding Clerk/Technician	13.0	0.0	0.0%	18.6	0.0	0.0%						
Information and Reimbursement	Certified Coder	17.0	1.0	5.9%	31.4	2.6	8.3%						
Information and Reimbursement	Coding Specialist	12.0	0.0	0.0%	18.4	0.0	0.0%						
Paramedics	Paramedic	39.0	1.0	2.6%	48.1	1.2	2.6%	1.0	1.2				
Paramedics	Firefighter with Emergency Medical Service	126.0	19.0	15.1%	155.5	23.4	15.1%	6.0	7.4	50.0	31.0	50.0	31.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southeast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	5.0	0.0	0.0%	6.6	0.0	0.0%						
Physicians	Family Physician	61.0	3.0	4.9%	85.1	3.0	3.5%	2.0	2.0	12.0	6.0	12.0	6.0
Physicians	General Internist	11.0	1.0	9.1%	20.6	1.0	4.8%	1.0	1.0	24.0	24.0	24.0	24.0
Physicians	Psychiatrist	11.0	2.0	18.2%	12.5	2.5	20.0%	1.0	1.5				
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	7.0	0.0	0.0%	8.6	0.0	0.0%						
Professional Nurses	Nurse Case Manger	20.0	7.0	35.0%	22.0	7.0	31.8%	0.0	0.0				
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	14.0	2.0	14.3%	15.6	2.0	12.8%	0.0	0.0	7.0	7.0	7.0	7.0
Professional Nurses	Family Nurse Practitioner	35.0	4.0	11.4%	45.4	5.6	12.3%	1.0	2.6	12.0	12.0	12.0	12.0
Professional Nurses	Nurse Anesthetist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	1.0	1.0	100.0%	1.0	1.0	100.0%	1.0	1.0				
Professional Nurses	Nurse Educator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Nurse Manager	16.0	0.0	0.0%	18.1	0.0	0.0%						
Professional Nurses	Nurse Midwife	3.0	0.0	0.0%	4.6	0.0	0.0%						
Professional Nurses	Pediatric Nurse Practitioner	1.0	0.0	0.0%	2.6	0.0	0.0%						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse	25.0	0.0	0.0%	25.0	0.0	0.0%						
Professional Nurses	Registered Nurse	352.0	20.0	5.7%	395.9	25.3	6.4%	13.0	17.8	9.0	2.8	9.0	2.0
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant	394.5	12.0	3.0%	401.5	12.5	3.1%	9.0	9.5	2.0	2.0	2.0	2.0
Other Nursing Staff	Home Health Aide	5.0	0.0	0.0%	5.0	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	63.0	2.0	3.2%	76.8	2.0	2.6%	0.0	0.0				
Other Nursing Staff	Personal Care Attendant	120.0	10.0	8.3%	180.0	15.0	8.3%	10.0	15.0	2.0	1.5	2.0	1.5

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southeast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	27.0	2.0	7.4%	47.5	2.8	5.9%	1.0	1.0				
Other Clinicians/Therapists	Occupational Therapist	6.0	4.0	66.7%	6.7	4.7	70.0%	3.0	3.7	24.0	22.0	24.0	22.1
Other Clinicians/Therapists	Pharmacist	60.5	6.0	9.9%	62.1	6.0	9.7%	4.0	4.0	36.0	20.3	36.0	20.3
Other Clinicians/Therapists	Physical Therapist	38.0	10.0	26.3%	48.6	12.0	24.6%	7.0	9.0	24.0	17.0	24.0	13.6
Other Clinicians/Therapists	Physician Assistant	6.0	1.0	16.7%	9.2	1.0	10.9%						
Other Clinicians/Therapists	Speech Therapist	7.0	1.0	14.3%	7.0	1.0	14.3%	1.0	1.0	12.0	12.0	12.0	12.0
Other Clinicians/Therapists	Speech Language Pathologist	5.0	1.0	20.0%	5.7	1.0	17.6%	1.0	1.0	24.0	24.0	24.0	24.0
Behavioral Health	Aide/Village Counselor			NP			NP			2.0	2.0	2.0	2.0
Behavioral Health	Clinician	56.5	6.0	10.6%	70.5	8.0	11.3%	13.0	19.5	8.0	5.5	8.0	5.5
Behavioral Health	Chemical/Substance Counselor	50.5	9.0	17.8%	65.8	12.0	18.3%	6.0	9.0	6.0	3.0	6.0	3.0
Behavioral Health	Case Manager	54.5	4.0	7.3%	72.8	5.5	7.6%	2.0	3.0	4.0	2.0	4.0	2.0
Behavioral Health	Human Services Worker HS	35.5	3.0	8.5%	46.5	4.0	8.6%	2.0	3.0	2.0	1.5	2.0	1.5
Behavioral Health	Human Services Worker Degree	31.5	5.5	17.5%	47.3	8.3	17.5%	5.5	8.3	6.0	3.7	6.0	3.7
Behavioral Health	Marital/Family Therapist	2.0	2.0	100.0%	3.0	3.0	100.0%	2.0	3.0				
Behavioral Health	Professional Counselor	11.0	0.0	0.0%	14.0	0.0	0.0%						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate	9.0	2.0	22.2%	10.5	3.0	28.6%	2.0	3.0	12.0	12.0	12.0	12.0
Behavioral Health	Clinical Psychologist	8.0	2.0	25.0%	8.5	2.5	29.4%	1.0	1.5	12.0	12.0	12.0	12.0
Behavioral Health	Social Worker BSW	3.0	0.0	0.0%	3.0	0.0	0.0%						
Behavioral Health	Social Worker MSW	9.0	0.0	0.0%	10.0	0.0	0.0%						
Behavioral Health	Social Worker LCSW	3.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant	8.0	1.0	12.5%	9.6	2.6	27.1%	1.0	2.6				
Allied Health	Dental Asst	65.0	4.0	6.2%	114.9	7.3	6.3%	1.0	1.8	0.0	0.0	0.0	0.0
Allied Health	Dental HA Therapist	12.0	0.0	0.0%	20.2	0.0	0.0%						
Allied Health	Dental Hygienist	31.5	4.0	12.7%	57.3	7.3	12.7%	3.0	5.5	36.0	17.0	36.0	17.0
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician	2.0	0.0	0.0%	5.2	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southeast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	EMT/ETT	3.0	0.0	0.0%	3.2	0.0	0.0%						
Allied Health	Mammographer	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Massage Therapist	11.0	0.0	0.0%	14.4	0.0	0.0%						
Allied Health	Medical Assistant	14.0	1.0	7.1%	23.6	1.0	4.2%						
Allied Health	Medical Lab Technician	8.0	2.0	25.0%	12.8	3.6	28.1%	1.0	2.6	6.0	6.0	6.0	6.0
Allied Health	Medical Technician	24.5	4.0	16.3%	35.7	7.2	20.2%	3.0	6.2	6.0	4.3	6.0	4.7
Allied Health	MRI/CT Technician	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Nuclear Medicine Technician	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0	4.0	4.0	4.0	4.0
Allied Health	Paramedic	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	Pharmacy Technician	65.0	2.0	3.1%	66.6	2.0	3.0%	1.0	1.0	5.0	5.0	5.0	5.0
Allied Health	Phlebotomist	5.0	1.0	20.0%	6.6	1.0	15.1%	1.0	1.0	6.0	6.0	6.0	6.0
Allied Health	Physical Therapy Assistant	5.0	1.0	20.0%	5.2	1.2	22.7%	1.0	1.2	12.0	12.0	12.0	12.0
Allied Health	Radiology Technician	24.0	3.0	12.5%	28.8	3.0	10.4%	1.0	1.0	8.0	6.5	8.0	6.5
Allied Health	Respiratory Therapist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	Sonographer	4.0	3.0	75.0%	4.0	3.0	75.0%	1.0	1.0	24.0	24.0	24.0	24.0
Allied Health	Sterile Processing Technician	3.0	1.0	33.3%	3.0	1.0	33.3%	1.0	1.0	1.0	1.0	1.0	1.0
Allied Health	Surgical Tech	4.0	0.0	0.0%	4.0	0.0	0.0%						
Health Education and Community Wellness	Community Health Representative	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Community Wellness Advocate	4.0	0.0	0.0%	4.0	0.0	0.0%						
Health Education and Community Wellness	Dietitian	7.5	1.0	13.3%	7.5	1.0	13.3%						
Health Education and Community Wellness	Health Educator	30.0	1.0	3.3%	30.0	1.0	3.3%						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)	22.0	4.0	18.2%	22.0	4.0	18.2%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southeast													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	175.0	8.0	4.6%	221.8	9.0	4.1%	2.0	3.0	12.0	6.2	12.0	6.1
Managers and Administrators	Behavioral Health Supervisor	14.0	0.0	0.0%	16.5	0.0	0.0%						
Managers and Administrators	Health Information Administrator/Manager	13.0	3.0	23.1%	15.6	4.6	29.5%	3.0	4.6	12.0	9.3	12.0	7.5
Managers and Administrators	Hospital Administrator	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0	6.0	6.0	6.0	6.0
Managers and Administrators	Human Resources Director	14.0	1.0	7.1%	18.7	1.5	8.0%	1.0	1.5	0.0	0.0	0.0	0.0
Managers and Administrators	Medical Director	9.0	0.0	0.0%	11.1	0.0	0.0%						
Managers and Administrators	Nursing Director/Executive	12.0	1.0	8.3%	12.5	1.0	8.0%	0.0	0.0	2.0	2.0	2.0	2.0
Information and Reimbursement	Billing Clerk/Technician	88.0	6.0	6.8%	124.4	9.7	7.8%	4.0	7.2	5.0	2.0	5.0	1.5
Information and Reimbursement	Billing Supervisor	20.0	0.0	0.0%	35.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor	7.0	0.0	0.0%	11.2	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	36.0	0.0	0.0%	44.9	0.0	0.0%						
Information and Reimbursement	Transcript	13.0	0.0	0.0%	15.6	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	43.0	1.0	2.3%	49.0	1.0	2.0%						
Information and Reimbursement	Certified Coder	7.0	1.0	14.3%	10.4	1.0	9.6%	1.0	1.0				
Information and Reimbursement	Coding Specialist	5.0	1.0	20.0%	6.6	1.0	15.1%	1.0	1.0	10.0	10.0	10.0	10.0
Paramedics	Paramedic	21.0	1.0	4.8%	25.9	1.2	4.8%	1.0	1.2	3.0	3.0	3.0	3.0
Paramedics	Firefighter with Emergency Medical Service	62.0	0.0	0.0%	76.5	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

North													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician	17.0	10.0	58.8%	17.0	10.0	58.8%	7.0	7.0	48.0	25.5	48.0	25.5
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0	2.0	2.0	2.0	2.0
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	4.0	4.0	100.0%	4.0	4.0	100.0%						
Professional Nurses	Nurse Case Manger	10.0	1.0	10.0%	10.0	1.0	10.0%	0.0	0.0	9.0	9.0	9.0	9.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	4.0	4.0	100.0%	4.0	4.0	100.0%	0.0	0.0	12.0	12.0	12.0	12.0
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0				
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse	5.0	5.0	100.0%	5.0	5.0	100.0%	0.0	0.0	5.0	5.0	5.0	5.0
Professional Nurses	Registered Nurse	43.0	16.0	37.2%	43.0	16.0	37.2%	1.0	1.0	48.0	48.0	48.0	48.0
Professional Nurses	Women's Health Care Nurse Practitioner	1.0	1.0	100.0%	1.0	1.0	100.0%	0.0	0.0	3.0	3.0	3.0	3.0
Other Nursing Staff	Certified Nurse Assistant	13.0	3.0	23.1%	13.0	3.0	23.1%	3.0	3.0	4.0	4.0	4.0	4.0
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse	9.0	3.0	33.3%	9.0	3.0	33.3%	3.0	3.0				
Other Nursing Staff	Personal Care Attendant	1.0	0.0	0.0%	1.5	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

North													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	9.0	3.0	33.3%	9.8	3.8	38.9%	3.0	3.8	26.0	13.5	26.0	17.1
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist	4.0	3.0	75.0%	4.0	3.0	75.0%	3.0	3.0	10.0	10.0	10.0	10.0
Other Clinicians/Therapists	Physical Therapist	1.0	1.0	100.0%	1.0	1.0	100.0%	1.0	1.0				
Other Clinicians/Therapists	Physician Assistant	14.0	4.0	28.6%	14.0	4.0	28.6%	3.0	3.0	12.0	12.0	12.0	12.0
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor	17.0	7.0	41.2%	17.0	7.0	41.2%	7.0	7.0	6.0	6.0	6.0	6.0
Behavioral Health	Clinician	63.0	5.0	7.9%	63.0	5.0	7.9%	5.0	5.0	1.0	1.0	1.0	1.0
Behavioral Health	Chemical/Substance Counselor	1.0	1.0	100.0%	1.0	1.0	100.0%	1.0	1.0	1.0	1.0	1.0	1.0
Behavioral Health	Case Manager	2.0	0.0	0.0%	2.0	0.0	0.0%						
Behavioral Health	Human Services Worker HS	10.5	1.0	9.5%	10.5	1.0	9.5%	1.0	1.0				
Behavioral Health	Human Services Worker Degree	2.0	0.0	0.0%	2.0	0.0	0.0%						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate	4.0	0.0	0.0%	4.0	0.0	0.0%						
Behavioral Health	Clinical Psychologist	2.0	1.0	50.0%	2.0	1.0	50.0%	0.0	0.0				
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst	18.0	2.0	11.1%	19.6	2.0	10.2%	2.0	2.0	2.0	2.0	2.0	2.0
Allied Health	Dental HA Therapist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Dental Hygienist	1.0	1.0	100.0%	1.8	1.8	100.0%	1.0	1.8	22.0	22.0	22.0	22.0
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

North													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	EMT/ETT			NP			NP						
Allied Health	Mammographer	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician	8.0	2.0	25.0%	8.0	2.0	25.0%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic	6.0	4.0	66.7%	6.0	4.0	66.7%	4.0	4.0				
Allied Health	Pharmacy Technician	8.0	2.0	25.0%	8.0	2.0	25.0%	2.0	2.0	1.0	1.0	1.0	1.0
Allied Health	Phlebotomist	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Respiratory Therapist	1.0	1.0	100.0%	1.0	1.0	100.0%						
Allied Health	Sonographer	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Sterile Processing Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative	2.0	0.0	0.0%	2.0	0.0	0.0%						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Health Educator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Nutritionist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner	52.0	4.0	7.7%	52.0	4.0	7.7%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

North													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	28.0	2.0	7.1%	29.3	2.8	9.6%	1.0	1.8	26.0	26.0	26.0	26.0
Managers and Administrators	Behavioral Health Supervisor	4.0	0.0	0.0%	4.0	0.0	0.0%						
Managers and Administrators	Health Information Administrator/Manager	2.0	1.0	50.0%	2.0	1.0	50.0%	0.0	0.0				
Managers and Administrators	Hospital Administrator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	2.0	0.0	0.0%	2.0	0.0	0.0%						
Managers and Administrators	Medical Director	2.0	0.0	0.0%	2.0	0.0	0.0%						
Managers and Administrators	Nursing Director/Executive	2.0	1.0	50.0%	2.0	1.0	50.0%	0.0	0.0				
Information and Reimbursement	Billing Clerk/Technician	22.0	3.0	13.6%	23.3	3.0	12.9%	3.0	3.0				
Information and Reimbursement	Billing Supervisor	4.0	0.0	0.0%	4.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor	2.0	0.0	0.0%	2.0	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	11.0	1.0	9.1%	11.0	1.0	9.1%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	5.0	1.0	20.0%	5.0	1.0	20.0%	1.0	1.0				
Information and Reimbursement	Certified Coder	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic	15.0	2.0	13.3%	18.5	2.5	13.3%	2.0	2.5	6.0	4.0	6.0	4.0
Paramedics	Firefighter with Emergency Medical Service	59.0	1.0	1.7%	72.8	1.2	1.7%	1.0	1.2	2.0	2.0	2.0	2.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southwest													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	10.0	2.0	20.0%	10.0	2.0	20.0%			3.0	3.0	3.0	3.0
Physicians	Family Physician	16.3	5.5	33.8%	24.7	6.3	25.5%	0.5	1.3	12.0	6.0	12.0	8.1
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger	34.0	3.0	8.8%	37.2	4.6	12.4%	2.0	3.6	2.0	1.5	2.0	1.5
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	17.0	6.0	35.3%	20.2	9.2	45.6%	1.0	2.6	12.0	7.0	12.0	9.2
Professional Nurses	Family Nurse Practitioner	10.5	2.0	19.0%	16.1	3.6	22.4%	1.0	2.6	12.0	9.0	12.0	10.3
Professional Nurses	Nurse Anesthetist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Nurse Manager	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Psychiatric Nurse	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse	24.0	3.0	12.5%	24.0	3.0	12.5%	0.0	0.0	51.0	35.7	51.0	35.7
Professional Nurses	Registered Nurse	114.3	22.0	19.3%	117.9	25.2	21.4%	4.0	5.6	12.0	8.7	12.0	9.8
Professional Nurses	Women's Health Care Nurse Practitioner	2.0	0.0	0.0%	2.0	0.0	0.0%						
Other Nursing Staff	Certified Nurse Assistant	17.0	1.0	5.9%	26.6	2.6	9.8%	1.0	2.6				
Other Nursing Staff	Home Health Aide	1.0	0.0	0.0%	1.0	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	26.0	4.5	17.3%	34.0	6.9	20.3%	1.5	3.9	6.0	4.5	6.0	5.2
Other Nursing Staff	Personal Care Attendant	15.0	0.0	0.0%	15.5	0.0	0.0%			2.0	2.0	2.0	2.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southwest													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	18.0	4.0	22.2%	25.3	4.0	15.8%	4.0	4.0	24.0	24.0	24.0	24.0
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist	20.0	3.0	15.0%	20.0	3.0	15.0%	1.0	1.0	1.0	1.0	1.0	1.0
Other Clinicians/Therapists	Physical Therapist	5.0	0.0	0.0%	5.0	0.0	0.0%						
Other Clinicians/Therapists	Physician Assistant	17.0	13.0	76.5%	18.6	14.6	78.5%	1.0	2.6	30.0	13.3	30.0	10.8
Other Clinicians/Therapists	Speech Therapist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor	138.0	13.0	9.4%	139.0	13.0	9.4%	1.0	1.0	3.0	3.0	3.0	3.0
Behavioral Health	Clinician	34.3	13.0	37.9%	40.6	14.6	36.0%	1.0	2.6	5.0	2.5	5.0	1.4
Behavioral Health	Chemical/Substance Counselor	10.0	0.0	0.0%	13.7	0.0	0.0%						
Behavioral Health	Case Manager	7.0	1.0	14.3%	10.2	2.6	25.5%	1.0	2.6	6.0	6.0	6.0	6.0
Behavioral Health	Human Services Worker HS	79.0	24.0	30.4%	81.0	24.0	29.6%			12.0	12.0	12.0	12.0
Behavioral Health	Human Services Worker Degree	1.0	0.0	0.0%	1.5	0.0	0.0%						
Behavioral Health	Marital/Family Therapist	2.0	0.0	0.0%	5.2	0.0	0.0%						
Behavioral Health	Professional Counselor	6.0	4.0	66.7%	9.2	4.0	43.4%			5.0	5.0	5.0	5.0
Behavioral Health	Psychiatric Aide/Technician	28.0	2.0	7.1%	28.0	2.0	7.1%			2.0	2.0	2.0	2.0
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW	4.0	1.0	25.0%	4.5	1.0	22.2%	0.0	0.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	1.0	0.0	0.0%	1.5	0.0	0.0%						
Allied Health	Clinical Lab Assistant	10.0	0.0	0.0%	16.4	0.0	0.0%						
Allied Health	Dental Asst	32.0	3.0	9.4%	45.9	5.5	11.9%	1.0	1.8	24.0	24.0	24.0	24.0
Allied Health	Dental HA Therapist	11.0	1.0	9.1%	15.1	1.0	6.6%	1.0	1.0	48.0	48.0	48.0	48.0
Allied Health	Dental Hygienist	8.0	1.0	12.5%	12.1	2.6	21.6%	1.0	2.6	36.0	36.0	36.0	36.0
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT	15.0	0.0	0.0%	18.5	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southwest													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	3.0	1.0	33.3%	3.0	1.0	33.3%			3.0	3.0	3.0	3.0
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant	10.0	1.5	15.0%	18.0	3.9	21.7%	1.5	3.9	6.0	6.0	6.0	6.0
Allied Health	Medical Lab Technician	3.5	0.5	14.3%	4.3	1.3	30.3%	0.5	1.3	6.0	6.0	6.0	6.0
Allied Health	Medical Technician	24.0	1.0	4.2%	24.0	1.0	4.2%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	MRI/CT Technician	3.0	1.0	33.3%	3.0	1.0	33.3%	0.0	0.0				
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	19.0	1.0	5.3%	20.6	2.6	12.6%	1.0	2.6				
Allied Health	Phlebotomist	3.0	1.0	33.3%	3.0	1.0	33.3%			3.0	3.0	3.0	3.0
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician	8.5	1.0	11.8%	9.3	1.0	10.8%			3.0	3.0	3.0	3.0
Allied Health	Respiratory Therapist	11.0	0.0	0.0%	11.0	0.0	0.0%						
Allied Health	Sonographer	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Sterile Processing Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative	4.0	0.0	0.0%	4.0	0.0	0.0%						
Health Education and Community Wellness	Community Wellness Advocate	11.0	1.0	9.1%	12.6	2.6	20.7%	1.0	2.6				
Health Education and Community Wellness	Dietitian	3.0	1.0	33.3%	3.0	1.0	33.3%			5.0	5.0	5.0	5.0
Health Education and Community Wellness	Health Educator	2.0	1.0	50.0%	3.6	2.6	72.3%	1.0	2.6				
Health Education and Community Wellness	Nutritionist	2.0	1.0	50.0%	2.5	1.5	60.0%	1.0	1.5	3.0	3.0	3.0	3.0
Health Education and Community Wellness	Village Health Educator	15.0	0.0	0.0%	15.0	0.0	0.0%						
Health Education and Community Wellness	Community Health Aide/Practitioner	141.0	10.0	7.1%	141.0	10.0	7.1%	1.0	1.0	5.0	5.0	5.0	5.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Southwest													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	40.0	0.0	0.0%	45.6	0.0	0.0%						
Managers and Administrators	Behavioral Health Supervisor	11.0	0.0	0.0%	13.1	0.0	0.0%						
Managers and Administrators	Health Information Administrator/Manager	2.0	0.0	0.0%	2.0	0.0	0.0%						
Managers and Administrators	Hospital Administrator	1.0	0.0	0.0%	1.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	2.0	0.0	0.0%	2.0	0.0	0.0%						
Managers and Administrators	Medical Director	20.3	1.0	4.9%	23.9	2.6	10.9%	1.0	2.6	12.0	12.0	12.0	12.0
Managers and Administrators	Nursing Director/Executive	3.0	1.0	33.3%	4.6	2.6	56.6%	0.0	0.0	12.0	12.0	12.0	12.0
Information and Reimbursement	Billing Clerk/Technician	21.0	4.0	19.0%	30.6	4.0	13.1%	4.0	4.0	3.0	3.0	3.0	3.0
Information and Reimbursement	Billing Supervisor	4.0	0.0	0.0%	5.6	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor	2.0	0.0	0.0%	2.0	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	32.0	2.5	7.8%	33.6	3.3	9.8%	2.5	3.3	6.0	5.5	6.0	5.7
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	8.0	1.0	12.5%	12.8	1.0	7.8%						
Information and Reimbursement	Certified Coder	11.0	4.0	36.4%	12.6	5.6	44.5%	3.0	4.6	36.0	24.0	36.0	29.3
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service	25.0	0.0	0.0%	30.8	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

By Organization Type

Behavioral Health Services													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist	10.0	2.0	20.0%	15.0	3.0	20.0%	1.0	1.5	1.0	1.0	1.0	1.0
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger	28.0	2.0	7.1%	42.0	3.0	7.1%	1.0	1.5	36.0	36.0	36.0	36.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	1.0	0.0	0.0%	1.5	0.0	0.0%						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager	7.0	1.0	14.3%	10.5	1.5	14.3%	0.0	0.0	0.0	0.0	0.0	0.0
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner	5.0	2.0	40.0%	7.5	3.0	40.0%	2.0	3.0	10.0	10.0	10.0	10.0
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse	64.0	8.0	12.5%	96.0	12.0	12.5%	5.0	7.5	7.0	2.6	7.0	2.6
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant	94.0	4.0	4.3%	141.0	6.0	4.3%	4.0	6.0	12.0	3.8	12.0	3.8
Other Nursing Staff	Home Health Aide	24.0	1.0	4.2%	36.0	1.5	4.2%	1.0	1.5	10.0	10.0	10.0	10.0
Other Nursing Staff	Licensed Practical Nurse	31.0	4.0	12.9%	46.5	6.0	12.9%	3.0	4.5	2.0	1.0	2.0	1.0
Other Nursing Staff	Personal Care Attendant	254.5	21.0	8.3%	381.8	31.5	8.3%	21.0	31.5	12.0	2.4	12.0	2.4

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Behavioral Health Services													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist	9.0	3.0	33.3%	13.5	4.5	33.3%	3.0	4.5	30.0	22.0	30.0	22.0
Other Clinicians/Therapists	Pharmacist	1.0	1.0	100.0%	1.5	1.5	100.0%	1.0	1.5	3.0	3.0	3.0	3.0
Other Clinicians/Therapists	Physical Therapist	11.0	1.0	9.1%	16.5	1.5	9.1%	1.0	1.5	30.0	30.0	30.0	30.0
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist	12.0	2.0	16.7%	18.0	3.0	16.7%	2.0	3.0	30.0	21.0	30.0	21.0
Other Clinicians/Therapists	Speech Language Pathologist	6.0	0.0	0.0%	9.0	0.0	0.0%						
Behavioral Health	Aide/Village Counselor	38.0	2.0	5.3%	57.0	3.0	5.3%	2.0	3.0	3.0	2.5	3.0	2.5
Behavioral Health	Clinician	121.0	12.0	9.9%	181.5	18.0	9.9%	17.5	26.3	12.0	3.7	12.0	3.7
Behavioral Health	Chemical/Substance Counselor	127.0	22.0	17.3%	190.5	33.0	17.3%	17.0	25.5	9.0	2.6	9.0	2.6
Behavioral Health	Case Manager	289.5	25.0	8.6%	434.3	37.5	8.6%	21.0	31.5	6.0	2.4	6.0	2.4
Behavioral Health	Human Services Worker HS	623.0	72.0	11.6%	934.5	108.0	11.6%	72.0	108.0	6.0	1.4	6.0	1.4
Behavioral Health	Human Services Worker Degree	156.5	19.5	12.5%	234.8	29.3	12.5%	19.5	29.3	12.0	4.8	12.0	4.8
Behavioral Health	Marital/Family Therapist	13.0	3.0	23.1%	19.5	4.5	23.1%	3.0	4.5				
Behavioral Health	Professional Counselor	35.0	0.0	0.0%	52.5	0.0	0.0%						
Behavioral Health	Psychiatric Aide/Technician	3.0	0.0	0.0%	4.5	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	11.0	2.0	18.2%	16.5	3.0	18.2%	2.0	3.0	12.0	12.0	12.0	12.0
Behavioral Health	Clinical Psychologist	8.0	2.0	25.0%	12.0	3.0	25.0%	2.0	3.0	12.0	12.0	12.0	12.0
Behavioral Health	Social Worker BSW	29.0	0.0	0.0%	43.5	0.0	0.0%						
Behavioral Health	Social Worker MSW	19.0	0.0	0.0%	28.5	0.0	0.0%						
Behavioral Health	Social Worker LCSW	10.0	0.0	0.0%	15.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Behavioral Health Services													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	1.0	0.0	0.0%	1.5	0.0	0.0%						
Allied Health	Phlebotomist	1.0	0.0	0.0%	1.5	0.0	0.0%						
Allied Health	Physical Therapy Assistant	3.0	0.0	0.0%	4.5	0.0	0.0%						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian	1.0	0.0	0.0%	1.5	0.0	0.0%						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist	15.0	1.0	6.7%	22.5	1.5	6.7%	1.0	1.5	3.0	3.0	3.0	3.0
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Behavioral Health Services													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	189.0	5.0	2.6%	283.5	7.5	2.6%	3.0	4.5	5.5	1.9	5.5	1.9
Managers and Administrators	Behavioral Health Supervisor	82.0	6.0	7.3%	123.0	9.0	7.3%	3.0	4.5	3.0	1.5	3.0	1.5
Managers and Administrators	Health Information Administrator/Manager	12.0	0.0	0.0%	18.0	0.0	0.0%						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director	30.5	3.0	9.8%	45.8	4.5	9.8%	2.0	3.0	3.0	1.0	3.0	1.0
Managers and Administrators	Medical Director	8.0	2.0	25.0%	12.0	3.0	25.0%	0.0	0.0	4.0	2.5	4.0	2.5
Managers and Administrators	Nursing Director/Executive	5.0	0.0	0.0%	7.5	0.0	0.0%						
Information and Reimbursement	Billing Clerk/Technician	70.5	3.0	4.3%	105.8	4.5	4.3%	1.0	1.5	18.0	7.7	18.0	7.7
Information and Reimbursement	Billing Supervisor	21.0	1.0	4.8%	31.5	1.5	4.8%	0.0	0.0	3.0	3.0	3.0	3.0
Information and Reimbursement	Compliance/Auditor	12.0	0.0	0.0%	18.0	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	25.0	3.0	12.0%	37.5	4.5	12.0%	3.0	4.5	1.0	1.0	1.0	1.0
Information and Reimbursement	Transcript	6.0	1.0	16.7%	9.0	1.5	16.7%						
Information and Reimbursement	Coding Clerk/Technician	6.0	0.0	0.0%	9.0	0.0	0.0%						
Information and Reimbursement	Certified Coder	2.0	0.0	0.0%	3.0	0.0	0.0%						
Information and Reimbursement	Coding Specialist	5.0	0.0	0.0%	7.5	0.0	0.0%						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Dental Clinics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician	1.0	0.0	0.0%	1.8	0.0	0.0%						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	1.0	0.0	0.0%	1.8	0.0	0.0%						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse	1.0	0.0	0.0%	1.8	0.0	0.0%						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Dental Clinics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	242.0	3.0	1.2%	440.0	5.5	1.2%	2.0	3.6	26.0	8.7	26.0	8.7
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst	425.0	28.0	6.6%	772.7	50.9	6.6%	21.0	38.2	36.0	4.5	36.0	4.5
Allied Health	Dental HA Therapist	15.0	0.0	0.0%	27.3	0.0	0.0%						
Allied Health	Dental Hygienist	254.5	19.5	7.7%	462.7	35.5	7.7%	18.5	33.6	108.0	13.6	108.0	13.6
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Dental Clinics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Dental Clinics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	112.0	3.0	2.7%	203.6	5.5	2.7%	2.0	3.6	26.0	10.7	26.0	10.7
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager			NP			NP						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director			NP			NP						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician	72.0	0.0	0.0%	130.9	0.0	0.0%						
Information and Reimbursement	Billing Supervisor	24.0	0.0	0.0%	43.6	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician	25.0	0.0	0.0%	45.5	0.0	0.0%						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	16.0	0.0	0.0%	29.1	0.0	0.0%						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Imaging													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist	3.0	2.0	66.7%	3.0	2.0	66.7%	1.0	1.0	9.0	9.0	9.0	9.0
Physicians	Radiologist	13.0	0.0	0.0%	13.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner			NP			NP						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse	2.0	1.0	50.0%	2.0	1.0	50.0%	1.0	1.0	6.0	6.0	6.0	6.0
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Imaging													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Imaging													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	7.0	0.0	0.0%	7.0	0.0	0.0%						
Allied Health	Massage Therapist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	Medical Assistant	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	MRI/CT Technician	15.0	0.0	0.0%	15.0	0.0	0.0%						
Allied Health	Nuclear Medicine Technician	5.0	1.0	20.0%	5.0	1.0	20.0%	0.0	0.0	4.0	4.0	4.0	4.0
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician	48.0	1.0	2.1%	48.0	1.0	2.1%	0.0	0.0	5.0	5.0	5.0	5.0
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer	15.0	0.0	0.0%	15.0	0.0	0.0%						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian	2.0	2.0	100.0%	2.0	2.0	100.0%	0.0	0.0	9.0	7.5	9.0	7.5
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Imaging													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	11.0	0.0	0.0%	11.0	0.0	0.0%						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager	3.0	0.0	0.0%	3.0	0.0	0.0%						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director	3.0	0.0	0.0%	3.0	0.0	0.0%						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician	23.0	0.0	0.0%	23.0	0.0	0.0%						
Information and Reimbursement	Billing Supervisor	5.0	0.0	0.0%	5.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician	6.0	0.0	0.0%	6.0	0.0	0.0%						
Information and Reimbursement	Transcript	4.0	0.0	0.0%	4.0	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician			NP			NP						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Hospitals/Nursing Homes													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	13.5	0.0	0.0%	13.5	0.0	0.0%						
Physicians	Family Physician	13.5	2.0	14.8%	13.5	2.0	14.8%	1.0	1.0	0.0	0.0	0.0	0.0
Physicians	General Internist	45.0	1.0	2.2%	45.0	1.0	2.2%	1.0	1.0	24.0	24.0	24.0	24.0
Physicians	Psychiatrist	27.0	5.0	18.5%	27.0	5.0	18.5%	2.0	2.0	15.0	15.0	15.0	15.0
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Nurse Case Manger	43.0	5.0	11.6%	43.0	5.0	11.6%	0.0	0.0	0.0	0.0	0.0	0.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	227.0	33.0	14.5%	227.0	33.0	14.5%	5.0	5.0	7.0	7.0	7.0	7.0
Professional Nurses	Family Nurse Practitioner	20.0	3.0	15.0%	20.0	3.0	15.0%	0.0	0.0	5.0	5.0	5.0	5.0
Professional Nurses	Nurse Anesthetist	6.0	0.0	0.0%	6.0	0.0	0.0%						
Professional Nurses	Nurse Consultant	4.0	1.0	25.0%	4.0	1.0	25.0%	1.0	1.0				
Professional Nurses	Nurse Educator	38.0	4.0	10.5%	38.0	4.0	10.5%	0.0	0.0	5.0	3.0	5.0	3.0
Professional Nurses	Nurse Manager	88.0	6.0	6.8%	88.0	6.0	6.8%	0.0	0.0	16.0	8.8	16.0	8.8
Professional Nurses	Nurse Midwife	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Pediatric Nurse Practitioner	5.0	0.0	0.0%	5.0	0.0	0.0%						
Professional Nurses	Psychiatric Nurse	77.0	9.0	11.7%	77.0	9.0	11.7%	6.0	6.0	6.0	4.0	6.0	4.0
Professional Nurses	Psychiatric Nurse Practitioner	8.0	3.0	37.5%	8.0	3.0	37.5%	1.0	1.0	4.0	2.5	4.0	2.5
Professional Nurses	Public Health Nurse	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Registered Nurse	1629.0	166.0	10.2%	1629.0	166.0	10.2%	24.0	24.0	16.0	6.4	16.0	6.4
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant	890.5	51.0	5.7%	890.5	51.0	5.7%	44.0	44.0	18.0	7.3	18.0	7.3
Other Nursing Staff	Home Health Aide	7.0	0.0	0.0%	7.0	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	176.0	15.0	8.5%	176.0	15.0	8.5%	13.0	13.0	3.0	2.7	3.0	2.7
Other Nursing Staff	Personal Care Attendant	194.0	0.0	0.0%	194.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Hospitals/Nursing Homes													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist	25.0	4.0	16.0%	25.0	4.0	16.0%	2.0	2.0	24.0	12.7	24.0	12.7
Other Clinicians/Therapists	Pharmacist	86.0	5.0	5.8%	86.0	5.0	5.8%	2.0	2.0	4.0	3.0	4.0	3.0
Other Clinicians/Therapists	Physical Therapist	40.0	12.0	30.0%	40.0	12.0	30.0%	7.0	7.0	24.0	14.4	24.0	14.4
Other Clinicians/Therapists	Physician Assistant	15.0	0.0	0.0%	15.0	0.0	0.0%						
Other Clinicians/Therapists	Speech Therapist	4.5	0.5	11.1%	4.5	0.5	11.1%	0.5	0.5	1.0	1.0	1.0	1.0
Other Clinicians/Therapists	Speech Language Pathologist	4.5	1.5	33.3%	4.5	1.5	33.3%	0.5	0.5	3.0	2.0	3.0	2.0
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician	41.5	3.0	7.2%	41.5	3.0	7.2%	2.0	2.0	6.0	2.7	6.0	2.7
Behavioral Health	Chemical/Substance Counselor	23.0	6.0	26.1%	23.0	6.0	26.1%	0.0	0.0				
Behavioral Health	Case Manager	150.0	2.0	1.3%	150.0	2.0	1.3%	2.0	2.0	0.0	0.0	0.0	0.0
Behavioral Health	Human Services Worker HS	6.5	0.0	0.0%	6.5	0.0	0.0%						
Behavioral Health	Human Services Worker Degree	3.0	0.0	0.0%	3.0	0.0	0.0%						
Behavioral Health	Marital/Family Therapist	7.0	0.0	0.0%	7.0	0.0	0.0%						
Behavioral Health	Professional Counselor	54.0	0.0	0.0%	54.0	0.0	0.0%						
Behavioral Health	Psychiatric Aide/Technician	16.0	0.0	0.0%	16.0	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	4.0	0.0	0.0%	4.0	0.0	0.0%						
Behavioral Health	Clinical Psychologist	11.0	1.0	9.1%	11.0	1.0	9.1%	0.0	0.0	0.0	0.0	0.0	0.0
Behavioral Health	Social Worker BSW	19.0	0.0	0.0%	19.0	0.0	0.0%						
Behavioral Health	Social Worker MSW	35.0	0.0	0.0%	35.0	0.0	0.0%						
Behavioral Health	Social Worker LCSW	11.0	0.0	0.0%	11.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant	57.0	0.0	0.0%	57.0	0.0	0.0%						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician	7.0	1.0	14.3%	7.0	1.0	14.3%	1.0	1.0	2.0	2.0	2.0	2.0
Allied Health	EEG Technician	9.0	0.0	0.0%	9.0	0.0	0.0%						
Allied Health	EKG Technician	20.0	0.0	0.0%	20.0	0.0	0.0%						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Hospitals/Nursing Homes													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	24.0	1.0	4.2%	24.0	1.0	4.2%	0.0	0.0	0.5	0.5	0.5	0.5
Allied Health	Massage Therapist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Medical Assistant	34.0	2.0	5.9%	34.0	2.0	5.9%	2.0	2.0	3.0	3.0	3.0	3.0
Allied Health	Medical Lab Technician	52.0	0.0	0.0%	52.0	0.0	0.0%						
Allied Health	Medical Technician	107.5	3.0	2.8%	107.5	3.0	2.8%	3.0	3.0	3.0	2.0	3.0	2.0
Allied Health	MRI/CT Technician	26.0	1.0	3.8%	26.0	1.0	3.8%	1.0	1.0	4.0	4.0	4.0	4.0
Allied Health	Nuclear Medicine Technician	5.0	0.0	0.0%	5.0	0.0	0.0%						
Allied Health	Paramedic	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Pharmacy Technician	97.0	3.0	3.1%	97.0	3.0	3.1%	0.0	0.0	2.0	2.0	2.0	2.0
Allied Health	Phlebotomist	79.0	3.0	3.8%	79.0	3.0	3.8%	3.0	3.0	0.0	0.0	0.0	0.0
Allied Health	Physical Therapy Assistant	17.0	6.0	35.3%	17.0	6.0	35.3%	5.0	5.0	12.0	8.3	12.0	8.3
Allied Health	Radiology Technician	85.0	2.0	2.4%	85.0	2.0	2.4%	2.0	2.0	8.0	4.0	8.0	4.0
Allied Health	Respiratory Therapist	36.0	1.0	2.8%	36.0	1.0	2.8%	0.0	0.0	5.0	5.0	5.0	5.0
Allied Health	Sonographer	28.0	6.0	21.4%	28.0	6.0	21.4%	4.0	4.0	24.0	14.0	24.0	14.0
Allied Health	Sterile Processing Technician	56.0	5.0	8.9%	56.0	5.0	8.9%	5.0	5.0	3.0	2.3	3.0	2.3
Allied Health	Surgical Tech	46.0	6.0	13.0%	46.0	6.0	13.0%	4.0	4.0	7.0	5.5	7.0	5.5
Health Education and Community Wellness	Community Health Representative	4.0	0.0	0.0%	4.0	0.0	0.0%						
Health Education and Community Wellness	Community Wellness Advocate	5.0	0.0	0.0%	5.0	0.0	0.0%						
Health Education and Community Wellness	Dietitian	18.5	0.0	0.0%	18.5	0.0	0.0%						
Health Education and Community Wellness	Health Educator	9.0	0.0	0.0%	9.0	0.0	0.0%						
Health Education and Community Wellness	Nutritionist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Hospitals/Nursing Homes													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	105.0	5.0	4.8%	105.0	5.0	4.8%	0.0	0.0	12.0	6.5	12.0	6.5
Managers and Administrators	Behavioral Health Supervisor	12.0	0.0	0.0%	12.0	0.0	0.0%						
Managers and Administrators	Health Information Administrator/Manager	12.0	0.0	0.0%	12.0	0.0	0.0%						
Managers and Administrators	Hospital Administrator	6.0	1.0	16.7%	6.0	1.0	16.7%	0.0	0.0	6.0	6.0	6.0	6.0
Managers and Administrators	Human Resources Director	18.0	1.0	5.6%	18.0	1.0	5.6%	0.0	0.0	7.0	7.0	7.0	7.0
Managers and Administrators	Medical Director	10.0	0.0	0.0%	10.0	0.0	0.0%						
Managers and Administrators	Nursing Director/Executive	24.0	1.0	4.2%	24.0	1.0	4.2%	0.0	0.0	2.0	2.0	2.0	2.0
Information and Reimbursement	Billing Clerk/Technician	120.0	5.0	4.2%	120.0	5.0	4.2%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Billing Supervisor	16.0	0.0	0.0%	16.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor	9.0	0.0	0.0%	9.0	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician	116.0	3.0	2.6%	116.0	3.0	2.6%	3.0	3.0	2.0	1.3	2.0	1.3
Information and Reimbursement	Transcript	56.0	0.0	0.0%	56.0	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	23.0	0.0	0.0%	23.0	0.0	0.0%						
Information and Reimbursement	Certified Coder	24.0	1.0	4.2%	24.0	1.0	4.2%	0.0	0.0	0.0	0.0	0.0	0.0
Information and Reimbursement	Coding Specialist	23.0	0.0	0.0%	23.0	0.0	0.0%						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Laboratories													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner			NP			NP						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse			NP			NP						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Laboratories													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Laboratories													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician	5.5	1.0	18.2%	5.5	1.0	18.2%	1.0	1.0	3.0	3.0	3.0	3.0
Allied Health	Medical Technician	7.0	0.0	0.0%	7.0	0.0	0.0%						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist	48.5	3.0	6.2%	48.5	3.0	6.2%	3.0	3.0	6.0	5.0	6.0	5.0
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Diagnostic Laboratories													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	11.0	0.0	0.0%	11.0	0.0	0.0%						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager			NP			NP						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director	1.0	0.0	0.0%	1.0	0.0	0.0%						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician	5.0	0.0	0.0%	5.0	0.0	0.0%						
Information and Reimbursement	Billing Supervisor	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Medical Clinics/Offices of Physicians													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	10.0	0.0	0.0%	26.0	0.0	0.0%						
Physicians	Family Physician	186.3	15.0	8.1%	485.1	39.1	8.1%	9.5	24.7	48.0	15.0	48.0	15.0
Physicians	General Internist	33.5	4.0	11.9%	87.2	10.4	11.9%	3.0	7.8				
Physicians	Psychiatrist	13.0	0.0	0.0%	33.9	0.0	0.0%						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist	6.0	0.0	0.0%	15.6	0.0	0.0%						
Professional Nurses	Nurse Case Manger	19.0	5.0	26.3%	49.5	13.0	26.3%	3.0	7.8	48.0	27.0	48.0	27.0
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	22.0	3.0	13.6%	57.3	7.8	13.6%	1.0	2.6	12.0	6.0	12.0	6.0
Professional Nurses	Family Nurse Practitioner	89.0	13.5	15.2%	231.8	35.2	15.2%	12.5	32.6	12.0	6.5	12.0	6.5
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant	1.0	0.0	0.0%	2.6	0.0	0.0%						
Professional Nurses	Nurse Educator	4.0	0.0	0.0%	10.4	0.0	0.0%						
Professional Nurses	Nurse Manager	14.0	3.0	21.4%	36.5	7.8	21.4%	1.0	2.6	48.0	26.0	48.0	26.0
Professional Nurses	Nurse Midwife	10.0	4.0	40.0%	26.0	10.4	40.0%	2.0	5.2	12.0	9.0	12.0	9.0
Professional Nurses	Pediatric Nurse Practitioner	8.0	4.0	50.0%	20.8	10.4	50.0%	4.0	10.4	12.0	9.3	12.0	9.3
Professional Nurses	Psychiatric Nurse	2.0	0.0	0.0%	5.2	0.0	0.0%						
Professional Nurses	Psychiatric Nurse Practitioner	9.0	1.0	11.1%	23.4	2.6	11.1%	1.0	2.6	8.0	8.0	8.0	8.0
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse	288.3	27.5	9.5%	750.7	71.6	9.5%	18.5	48.2	36.0	5.6	36.0	5.6
Professional Nurses	Women's Health Care Nurse Practitioner	18.0	4.0	22.2%	46.9	10.4	22.2%	1.0	2.6	24.0	15.0	24.0	15.0
Other Nursing Staff	Certified Nurse Assistant	95.0	10.0	10.5%	247.4	26.0	10.5%	7.0	18.2	6.0	2.3	6.0	2.3
Other Nursing Staff	Home Health Aide	2.0	0.0	0.0%	5.2	0.0	0.0%						
Other Nursing Staff	Licensed Practical Nurse	106.0	13.5	12.7%	276.1	35.2	12.7%	8.5	22.1	12.0	3.3	12.0	3.3
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Medical Clinics/Offices of Physicians													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	22.0	0.0	0.0%	57.3	0.0	0.0%						
Other Clinicians/Therapists	Occupational Therapist	1.0	0.0	0.0%	2.6	0.0	0.0%						
Other Clinicians/Therapists	Pharmacist	15.0	1.0	6.7%	39.1	2.6	6.7%						
Other Clinicians/Therapists	Physical Therapist	10.0	1.0	10.0%	26.0	2.6	10.0%	1.0	2.6	0.0	0.0	0.0	0.0
Other Clinicians/Therapists	Physician Assistant	84.0	7.5	8.9%	218.8	19.5	8.9%	8.5	22.1	12.0	5.3	12.0	5.3
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor	5.0	3.0	60.0%	13.0	7.8	60.0%						
Behavioral Health	Clinician	12.8	1.0	7.8%	33.3	2.6	7.8%	1.0	2.6	0.0	0.0	0.0	0.0
Behavioral Health	Chemical/Substance Counselor	14.0	0.0	0.0%	36.5	0.0	0.0%						
Behavioral Health	Case Manager	28.0	2.0	7.1%	72.9	5.2	7.1%	2.0	5.2	6.0	3.0	6.0	3.0
Behavioral Health	Human Services Worker HS	52.0	4.0	7.7%	135.4	10.4	7.7%	4.0	10.4	2.0	2.0	2.0	2.0
Behavioral Health	Human Services Worker Degree	3.0	0.0	0.0%	7.8	0.0	0.0%						
Behavioral Health	Marital/Family Therapist	7.0	0.0	0.0%	18.2	0.0	0.0%						
Behavioral Health	Professional Counselor	11.0	0.0	0.0%	28.6	0.0	0.0%						
Behavioral Health	Psychiatric Aide/Technician	1.0	0.0	0.0%	2.6	0.0	0.0%						
Behavioral Health	Psychologist/Psychological Associate	9.0	0.0	0.0%	23.4	0.0	0.0%						
Behavioral Health	Clinical Psychologist	10.0	1.0	10.0%	26.0	2.6	10.0%	0.0	0.0				
Behavioral Health	Social Worker BSW	1.0	0.0	0.0%	2.6	0.0	0.0%						
Behavioral Health	Social Worker MSW	8.0	0.0	0.0%	20.8	0.0	0.0%						
Behavioral Health	Social Worker LCSW	3.0	1.0	33.3%	7.8	2.6	33.3%						
Allied Health	Clinical Lab Assistant	17.0	2.0	11.8%	44.3	5.2	11.8%	2.0	5.2	6.0	6.0	6.0	6.0
Allied Health	Dental Asst	29.0	3.0	10.3%	75.5	7.8	10.3%	1.0	2.6	2.0	2.0	2.0	2.0
Allied Health	Dental HA Therapist	3.0	0.0	0.0%	7.8	0.0	0.0%						
Allied Health	Dental Hygienist	8.0	2.0	25.0%	20.8	5.2	25.0%	2.0	5.2	36.0	21.0	36.0	21.0
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician	11.0	0.0	0.0%	28.6	0.0	0.0%						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Medical Clinics/Offices of Physicians													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	5.0	0.0	0.0%	13.0	0.0	0.0%						
Allied Health	Massage Therapist	4.0	0.0	0.0%	10.4	0.0	0.0%						
Allied Health	Medical Assistant	218.0	10.5	4.8%	567.7	27.3	4.8%	9.5	24.7	6.0	2.0	6.0	2.0
Allied Health	Medical Lab Technician	27.5	1.5	5.5%	71.6	3.9	5.5%	1.5	3.9	6.0	6.0	6.0	6.0
Allied Health	Medical Technician	17.0	3.0	17.6%	44.3	7.8	17.6%	3.0	7.8	12.0	7.3	12.0	7.3
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	28.0	3.0	10.7%	72.9	7.8	10.7%	1.0	2.6				
Allied Health	Phlebotomist	19.3	1.0	5.2%	50.1	2.6	5.2%	1.0	2.6	6.0	6.0	6.0	6.0
Allied Health	Physical Therapy Assistant	2.0	0.0	0.0%	5.2	0.0	0.0%						
Allied Health	Radiology Technician	25.5	1.0	3.9%	66.4	2.6	3.9%	1.0	2.6	0.0	0.0	0.0	0.0
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer	7.0	1.0	14.3%	18.2	2.6	14.3%	1.0	2.6	0.0	0.0	0.0	0.0
Allied Health	Sterile Processing Technician	9.0	0.0	0.0%	23.4	0.0	0.0%						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative	8.0	1.0	12.5%	20.8	2.6	12.5%						
Health Education and Community Wellness	Community Wellness Advocate	4.0	1.0	25.0%	10.4	2.6	25.0%	1.0	2.6				
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator	3.0	1.0	33.3%	7.8	2.6	33.3%	1.0	2.6				
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)	2.0	1.0	50.0%	5.2	2.6	50.0%	1.0	2.6	18.0	18.0	18.0	18.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Medical Clinics/Offices of Physicians													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	131.0	2.0	1.5%	341.2	5.2	1.5%	1.0	2.6	2.0	2.0	2.0	2.0
Managers and Administrators	Behavioral Health Supervisor	15.0	1.0	6.7%	39.1	2.6	6.7%						
Managers and Administrators	Health Information Administrator/Manager	15.0	1.0	6.7%	39.1	2.6	6.7%	1.0	2.6	4.0	4.0	4.0	4.0
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director	17.0	1.0	5.9%	44.3	2.6	5.9%	1.0	2.6	6.0	6.0	6.0	6.0
Managers and Administrators	Medical Director	21.5	2.0	9.3%	56.0	5.2	9.3%	1.0	2.6	12.0	9.0	12.0	9.0
Managers and Administrators	Nursing Director/Executive	11.0	3.0	27.3%	28.6	7.8	27.3%	1.0	2.6	48.0	20.0	48.0	20.0
Information and Reimbursement	Billing Clerk/Technician	189.0	12.0	6.3%	492.2	31.3	6.3%	8.0	20.8	36.0	5.9	36.0	5.9
Information and Reimbursement	Billing Supervisor	57.0	1.0	1.8%	148.4	2.6	1.8%	1.0	2.6	2.0	2.0	2.0	2.0
Information and Reimbursement	Compliance/Auditor	20.0	1.0	5.0%	52.1	2.6	5.0%						
Information and Reimbursement	Records Clerk/Technician	95.5	4.5	4.7%	248.7	11.7	4.7%	2.5	6.5	6.0	1.5	6.0	1.5
Information and Reimbursement	Transcript	26.0	0.0	0.0%	67.7	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	38.0	0.0	0.0%	99.0	0.0	0.0%						
Information and Reimbursement	Certified Coder	71.0	2.0	2.8%	184.9	5.2	2.8%	1.0	2.6	36.0	36.0	36.0	36.0
Information and Reimbursement	Coding Specialist	15.0	0.0	0.0%	39.1	0.0	0.0%						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Tribal Health Organizations													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	19.0	2.0	10.5%	19.0	2.0	10.5%			3.0	3.0	3.0	3.0
Physicians	Family Physician	115.0	26.0	22.6%	115.0	26.0	22.6%	16.0	16.0	48.0	10.8	48.0	10.8
Physicians	General Internist	15.0	0.0	0.0%	15.0	0.0	0.0%						
Physicians	Psychiatrist	11.0	3.0	27.3%	11.0	3.0	27.3%	1.0	1.0	2.0	2.0	2.0	2.0
Physicians	Radiation Oncologist	2.0	1.0	50.0%	2.0	1.0	50.0%	1.0	1.0	10.0	10.0	10.0	10.0
Physicians	Radiologist	19.0	4.0	21.1%	19.0	4.0	21.1%						
Professional Nurses	Nurse Case Manger	128.0	10.0	7.8%	128.0	10.0	7.8%	3.0	3.0	9.0	2.8	9.0	2.8
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse	15.0	4.0	26.7%	15.0	4.0	26.7%	0.0	0.0	2.0	2.0	2.0	2.0
Professional Nurses	Family Nurse Practitioner	80.0	20.0	25.0%	80.0	20.0	25.0%	10.0	10.0	24.0	10.0	24.0	10.0
Professional Nurses	Nurse Anesthetist	21.0	0.0	0.0%	21.0	0.0	0.0%						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator	5.0	1.0	20.0%	5.0	1.0	20.0%	1.0	1.0	1.0	1.0	1.0	1.0
Professional Nurses	Nurse Manager	14.0	1.0	7.1%	14.0	1.0	7.1%	0.0	0.0				
Professional Nurses	Nurse Midwife	12.0	0.0	0.0%	12.0	0.0	0.0%						
Professional Nurses	Pediatric Nurse Practitioner	2.0	0.0	0.0%	2.0	0.0	0.0%						
Professional Nurses	Psychiatric Nurse	3.0	2.0	66.7%	3.0	2.0	66.7%	2.0	2.0	2.0	2.0	2.0	2.0
Professional Nurses	Psychiatric Nurse Practitioner	3.0	0.0	0.0%	3.0	0.0	0.0%						
Professional Nurses	Public Health Nurse	5.0	5.0	100.0%	5.0	5.0	100.0%	0.0	0.0	5.0	5.0	5.0	5.0
Professional Nurses	Registered Nurse	571.0	65.0	11.4%	571.0	65.0	11.4%	10.0	10.0	48.0	18.0	48.0	18.0
Professional Nurses	Women's Health Care Nurse Practitioner	3.0	1.0	33.3%	3.0	1.0	33.3%	0.0	0.0	3.0	3.0	3.0	3.0
Other Nursing Staff	Certified Nurse Assistant	156.0	37.0	23.7%	156.0	37.0	23.7%	34.0	34.0	24.0	7.8	24.0	7.8
Other Nursing Staff	Home Health Aide	25.0	10.0	40.0%	25.0	10.0	40.0%	10.0	10.0	16.0	16.0	16.0	16.0
Other Nursing Staff	Licensed Practical Nurse	80.0	12.0	15.0%	80.0	12.0	15.0%	8.0	8.0	9.0	6.0	9.0	6.0
Other Nursing Staff	Personal Care Attendant	15.0	1.0	6.7%	15.0	1.0	6.7%			2.0	2.0	2.0	2.0

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Tribal Health Organizations													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist	54.0	9.0	16.7%	54.0	9.0	16.7%	8.0	8.0	24.0	9.7	24.0	9.7
Other Clinicians/Therapists	Occupational Therapist	1.0	0.0	0.0%	1.0	0.0	0.0%						
Other Clinicians/Therapists	Pharmacist	92.0	10.0	10.9%	92.0	10.0	10.9%	5.0	5.0	10.0	4.0	10.0	4.0
Other Clinicians/Therapists	Physical Therapist	20.0	3.0	15.0%	20.0	3.0	15.0%	2.0	2.0	2.0	2.0	2.0	2.0
Other Clinicians/Therapists	Physician Assistant	79.0	22.0	27.8%	79.0	22.0	27.8%	8.0	8.0	30.0	13.2	30.0	13.2
Other Clinicians/Therapists	Speech Therapist	2.0	0.0	0.0%	2.0	0.0	0.0%						
Other Clinicians/Therapists	Speech Language Pathologist	3.0	1.0	33.3%	3.0	1.0	33.3%	0.0	0.0	9.0	9.0	9.0	9.0
Behavioral Health	Aide/Village Counselor	184.0	27.0	14.7%	184.0	27.0	14.7%	14.0	14.0	17.0	7.8	17.0	7.8
Behavioral Health	Clinician	136.0	23.0	16.9%	136.0	23.0	16.9%	7.0	7.0	18.0	6.0	18.0	6.0
Behavioral Health	Chemical/Substance Counselor	61.0	9.0	14.8%	61.0	9.0	14.8%	6.0	6.0	18.0	5.3	18.0	5.3
Behavioral Health	Case Manager	153.0	4.0	2.6%	153.0	4.0	2.6%	3.0	3.0	1.0	1.0	1.0	1.0
Behavioral Health	Human Services Worker HS	122.5	28.0	22.9%	122.5	28.0	22.9%	3.0	3.0	12.0	7.0	12.0	7.0
Behavioral Health	Human Services Worker Degree	3.0	0.0	0.0%	3.0	0.0	0.0%						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor	6.0	6.0	100.0%	6.0	6.0	100.0%	0.0	0.0	9.0	7.0	9.0	7.0
Behavioral Health	Psychiatric Aide/Technician	28.0	2.0	7.1%	28.0	2.0	7.1%			2.0	2.0	2.0	2.0
Behavioral Health	Psychologist/Psychological Associate	1.0	0.0	0.0%	1.0	0.0	0.0%						
Behavioral Health	Clinical Psychologist	9.0	2.0	22.2%	9.0	2.0	22.2%	0.0	0.0				
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW	10.0	2.0	20.0%	10.0	2.0	20.0%	1.0	1.0	2.0	2.0	2.0	2.0
Behavioral Health	Social Worker LCSW	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	Clinical Lab Assistant	9.0	0.0	0.0%	9.0	0.0	0.0%			2.0	2.0	2.0	2.0
Allied Health	Dental Asst	120.0	3.0	2.5%	120.0	3.0	2.5%	3.0	3.0	4.0	3.0	4.0	3.0
Allied Health	Dental HA Therapist	13.0	2.0	15.4%	13.0	2.0	15.4%	2.0	2.0	48.0	25.0	48.0	25.0
Allied Health	Dental Hygienist	23.0	0.0	0.0%	23.0	0.0	0.0%						
Allied Health	Echocardiography Technician	3.0	0.0	0.0%	3.0	0.0	0.0%						
Allied Health	EEG Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	EKG Technician	2.0	0.0	0.0%	2.0	0.0	0.0%						
Allied Health	EMT/ETT	3.0	0.0	0.0%	3.0	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Tribal Health Organizations													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer	7.0	1.0	14.3%	7.0	1.0	14.3%			3.0	3.0	3.0	3.0
Allied Health	Massage Therapist	3.0	1.0	33.3%	3.0	1.0	33.3%	1.0	1.0	3.0	3.0	3.0	3.0
Allied Health	Medical Assistant	101.0	1.0	1.0%	101.0	1.0	1.0%						
Allied Health	Medical Lab Technician	12.0	1.0	8.3%	12.0	1.0	8.3%						
Allied Health	Medical Technician	63.0	4.0	6.3%	63.0	4.0	6.3%	2.0	2.0	4.0	3.0	4.0	3.0
Allied Health	MRI/CT Technician	15.0	1.0	6.7%	15.0	1.0	6.7%	0.0	0.0				
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic	8.0	4.0	50.0%	8.0	4.0	50.0%	4.0	4.0				
Allied Health	Pharmacy Technician	77.0	3.0	3.9%	77.0	3.0	3.9%	2.0	2.0	1.0	1.0	1.0	1.0
Allied Health	Phlebotomist	8.0	1.0	12.5%	8.0	1.0	12.5%			3.0	3.0	3.0	3.0
Allied Health	Physical Therapy Assistant	4.0	0.0	0.0%	4.0	0.0	0.0%						
Allied Health	Radiology Technician	20.0	2.0	10.0%	20.0	2.0	10.0%			3.0	3.0	3.0	3.0
Allied Health	Respiratory Therapist	32.0	3.0	9.4%	32.0	3.0	9.4%	2.0	2.0	2.0	2.0	2.0	2.0
Allied Health	Sonographer	9.0	1.0	11.1%	9.0	1.0	11.1%	1.0	1.0				
Allied Health	Sterile Processing Technician	18.0	1.0	5.6%	18.0	1.0	5.6%	0.0	0.0	2.0	2.0	2.0	2.0
Allied Health	Surgical Tech	18.0	0.0	0.0%	18.0	0.0	0.0%						
Health Education and Community Wellness	Community Health Representative	35.0	4.0	11.4%	35.0	4.0	11.4%	4.0	4.0	16.0	6.3	16.0	6.3
Health Education and Community Wellness	Community Wellness Advocate	21.0	0.0	0.0%	21.0	0.0	0.0%						
Health Education and Community Wellness	Dietitian	14.0	7.0	50.0%	14.0	7.0	50.0%	5.0	5.0	5.0	4.0	5.0	4.0
Health Education and Community Wellness	Health Educator	42.0	2.0	4.8%	42.0	2.0	4.8%	1.0	1.0	1.0	1.0	1.0	1.0
Health Education and Community Wellness	Nutritionist	4.0	0.0	0.0%	4.0	0.0	0.0%						
Health Education and Community Wellness	Village Health Educator	17.0	2.0	11.8%	17.0	2.0	11.8%	1.0	1.0	9.0	9.0	9.0	9.0
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)	324.0	40.0	12.3%	324.0	40.0	12.3%	23.0	23.0	95.0	23.8	95.0	23.8

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Tribal Health Organizations													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	185.0	8.0	4.3%	185.0	8.0	4.3%	1.0	1.0	12.0	4.7	12.0	4.7
Managers and Administrators	Behavioral Health Supervisor	45.0	1.0	2.2%	45.0	1.0	2.2%	0.0	0.0	6.0	6.0	6.0	6.0
Managers and Administrators	Health Information Administrator/Manager	13.0	1.0	7.7%	13.0	1.0	7.7%	0.0	0.0				
Managers and Administrators	Hospital Administrator	3.0	0.0	0.0%	3.0	0.0	0.0%						
Managers and Administrators	Human Resources Director	14.0	1.0	7.1%	14.0	1.0	7.1%	0.0	0.0	1.0	1.0	1.0	1.0
Managers and Administrators	Medical Director	52.0	2.0	3.8%	52.0	2.0	3.8%	1.0	1.0	2.0	2.0	2.0	2.0
Managers and Administrators	Nursing Director/Executive	12.0	2.0	16.7%	12.0	2.0	16.7%	0.0	0.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Billing Clerk/Technician	121.0	9.0	7.4%	121.0	9.0	7.4%	9.0	9.0	3.0	2.0	3.0	2.0
Information and Reimbursement	Billing Supervisor	17.0	1.0	5.9%	17.0	1.0	5.9%			0.0	0.0	0.0	0.0
Information and Reimbursement	Compliance/Auditor	12.0	1.0	8.3%	12.0	1.0	8.3%	1.0	1.0	1.0	1.0	1.0	1.0
Information and Reimbursement	Records Clerk/Technician	141.0	18.0	12.8%	141.0	18.0	12.8%	12.0	12.0	5.0	3.0	5.0	3.0
Information and Reimbursement	Transcript	7.0	0.0	0.0%	7.0	0.0	0.0%						
Information and Reimbursement	Coding Clerk/Technician	99.0	7.0	7.1%	99.0	7.0	7.1%	2.0	2.0	6.0	6.0	6.0	6.0
Information and Reimbursement	Certified Coder	14.0	4.0	28.6%	14.0	4.0	28.6%	3.0	3.0	12.0	12.0	12.0	12.0
Information and Reimbursement	Coding Specialist	12.0	2.0	16.7%	12.0	2.0	16.7%	0.0	0.0	2.0	2.0	2.0	2.0
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Pharmacies													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner			NP			NP						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse			NP			NP						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Pharmacies													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist	219.0	18.0	8.2%	219.0	18.0	8.2%	15.0	15.0	36.0	14.5	36.0	14.5
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Pharmacies													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician	571.5	14.0	2.4%	571.5	14.0	2.4%	12.0	12.0	5.0	2.2	5.0	2.2
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Pharmacies													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	19.0	0.0	0.0%	19.0	0.0	0.0%						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager	8.0	2.0	25.0%	8.0	2.0	25.0%	2.0	2.0	12.0	12.0	12.0	12.0
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director	6.0	0.0	0.0%	6.0	0.0	0.0%						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician	37.0	3.0	8.1%	37.0	3.0	8.1%	2.0	2.0	12.0	8.5	12.0	8.5
Information and Reimbursement	Billing Supervisor	7.0	0.0	0.0%	7.0	0.0	0.0%						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician	4.0	0.0	0.0%	4.0	0.0	0.0%						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist	4.0	1.0	25.0%	4.0	1.0	25.0%	1.0	1.0	10.0	10.0	10.0	10.0
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Physical/ Occupational/Speech Therapists													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner			NP			NP						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse			NP			NP						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Physical/ Occupational/Speech Therapists													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist	42.0	10.0	23.8%	49.4	11.8	23.8%	10.0	11.8	24.0	10.1	24.0	10.1
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist	147.0	20.5	13.9%	172.9	24.1	13.9%	17.5	20.6	24.0	8.3	24.0	8.3
Other Clinicians/Therapists	Physician Assistant	2.0	0.0	0.0%	2.4	0.0	0.0%						
Other Clinicians/Therapists	Speech Therapist	5.0	2.0	40.0%	5.9	2.4	40.0%						
Other Clinicians/Therapists	Speech Language Pathologist	18.0	5.0	27.8%	21.2	5.9	27.8%	5.0	5.9	24.0	8.3	24.0	8.3
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Physical/ Occupational/Speech Therapists													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist	50.0	2.0	4.0%	58.8	2.4	4.0%	1.0	1.2	12.0	6.5	12.0	6.5
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant	26.0	10.0	38.5%	30.6	11.8	38.5%	9.0	10.6	12.0	6.4	12.0	6.4
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian	1.0	0.0	0.0%	1.2	0.0	0.0%						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Physical/ Occupational/Speech Therapists													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager	74.0	2.0	2.7%	87.1	2.4	2.7%	1.0	1.2	8.0	8.0	8.0	8.0
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager			NP			NP						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director			NP			NP						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician	52.0	5.0	9.6%	61.2	5.9	9.6%	4.0	4.7	12.0	5.3	12.0	5.3
Information and Reimbursement	Billing Supervisor	25.0	1.0	4.0%	29.4	1.2	4.0%	0.0	0.0				
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician	25.0	0.0	0.0%	29.4	0.0	0.0%						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician	7.0	0.0	0.0%	8.2	0.0	0.0%						
Information and Reimbursement	Certified Coder	6.0	0.0	0.0%	7.1	0.0	0.0%						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

School Districts													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	1.0	0.0	0.0%	1.0	0.0	0.0%						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse	125.5	6.0	4.8%	125.5	6.0	4.8%	5.0	5.0	9.0	9.0	9.0	9.0
Professional Nurses	Women's Health Care Nurse Practitioner	2.0	0.0	0.0%	2.0	0.0	0.0%						
Other Nursing Staff	Certified Nurse Assistant	10.0	0.0	0.0%	10.0	0.0	0.0%						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

School Districts													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist	37.0	9.0	24.3%	37.0	9.0	24.3%	9.0	9.0	36.0	19.0	36.0	19.0
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist	17.0	3.0	17.6%	17.0	3.0	17.6%	3.0	3.0	24.0	16.5	24.0	16.5
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist	33.0	4.0	12.1%	33.0	4.0	12.1%	4.0	4.0	12.0	10.5	12.0	10.5
Other Clinicians/Therapists	Speech Language Pathologist	120.0	8.0	6.7%	120.0	8.0	6.7%	5.0	5.0	60.0	32.0	60.0	32.0
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician	99.0	0.0	0.0%	99.0	0.0	0.0%						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor	20.0	3.0	15.0%	20.0	3.0	15.0%	3.0	3.0	7.0	7.0	7.0	7.0
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate	44.0	6.0	13.6%	44.0	6.0	13.6%	5.0	5.0	12.0	6.3	12.0	6.3
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

School Districts													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant	1.0	0.0	0.0%	1.0	0.0	0.0%						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator	78.0	0.0	0.0%	78.0	0.0	0.0%						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

School Districts													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager			NP			NP						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager	2.0	0.0	0.0%	2.0	0.0	0.0%						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director			NP			NP						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive	2.0	0.0	0.0%	2.0	0.0	0.0%						
Information and Reimbursement	Billing Clerk/Technician			NP			NP						
Information and Reimbursement	Billing Supervisor			NP			NP						
Information and Reimbursement	Compliance/Auditor	1.0	0.0	0.0%	1.0	0.0	0.0%						
Information and Reimbursement	Records Clerk/Technician			NP			NP						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician			NP			NP						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Paramedics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician	1.0	0.0	0.0%	1.2	0.0	0.0%						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner	1.0	0.0	0.0%	1.2	0.0	0.0%						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse			NP			NP						
Professional Nurses	Registered Nurse			NP			NP						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Paramedics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT	20.0	0.0	0.0%	24.7	0.0	0.0%						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Paramedics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

Paramedics													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager			NP			NP						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager			NP			NP						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director			NP			NP						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician			NP			NP						
Information and Reimbursement	Billing Supervisor			NP			NP						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician			NP			NP						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician			NP			NP						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic	234.0	6.0	2.6%	288.7	7.4	2.6%	6.0	7.4	6.0	3.5	6.0	3.5
Paramedics	Firefighter with Emergency Medical Service	903.0	26.0	2.9%	1114.1	32.1	2.9%	10.0	12.3	50.0	14.4	50.0	14.4

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

State/Municipal													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Physicians	Emergency Physician			NP			NP						
Physicians	Family Physician			NP			NP						
Physicians	General Internist			NP			NP						
Physicians	Psychiatrist			NP			NP						
Physicians	Radiation Oncologist			NP			NP						
Physicians	Radiologist			NP			NP						
Professional Nurses	Nurse Case Manger			NP			NP						
Professional Nurses	Critical Care/Emergency Room/Intensive Care Unit Nurse			NP			NP						
Professional Nurses	Family Nurse Practitioner			NP			NP						
Professional Nurses	Nurse Anesthetist			NP			NP						
Professional Nurses	Nurse Consultant			NP			NP						
Professional Nurses	Nurse Educator			NP			NP						
Professional Nurses	Nurse Manager			NP			NP						
Professional Nurses	Nurse Midwife			NP			NP						
Professional Nurses	Pediatric Nurse Practitioner			NP			NP						
Professional Nurses	Psychiatric Nurse			NP			NP						
Professional Nurses	Psychiatric Nurse Practitioner			NP			NP						
Professional Nurses	Public Health Nurse	123.0	5.0	4.1%	123.0	5.0	4.1%	2.0	2..0	51.0	28.8	51.0	28.8
Professional Nurses	Registered Nurse			NP			NP						
Professional Nurses	Women's Health Care Nurse Practitioner			NP			NP						
Other Nursing Staff	Certified Nurse Assistant			NP			NP						
Other Nursing Staff	Home Health Aide			NP			NP						
Other Nursing Staff	Licensed Practical Nurse			NP			NP						
Other Nursing Staff	Personal Care Attendant			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

State/Municipal													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Other Clinicians/Therapists	Dentist			NP			NP						
Other Clinicians/Therapists	Occupational Therapist			NP			NP						
Other Clinicians/Therapists	Pharmacist			NP			NP						
Other Clinicians/Therapists	Physical Therapist			NP			NP						
Other Clinicians/Therapists	Physician Assistant			NP			NP						
Other Clinicians/Therapists	Speech Therapist			NP			NP						
Other Clinicians/Therapists	Speech Language Pathologist			NP			NP						
Behavioral Health	Aide/Village Counselor			NP			NP						
Behavioral Health	Clinician			NP			NP						
Behavioral Health	Chemical/Substance Counselor			NP			NP						
Behavioral Health	Case Manager			NP			NP						
Behavioral Health	Human Services Worker HS			NP			NP						
Behavioral Health	Human Services Worker Degree			NP			NP						
Behavioral Health	Marital/Family Therapist			NP			NP						
Behavioral Health	Professional Counselor			NP			NP						
Behavioral Health	Psychiatric Aide/Technician			NP			NP						
Behavioral Health	Psychologist/Psychological Associate			NP			NP						
Behavioral Health	Clinical Psychologist			NP			NP						
Behavioral Health	Social Worker BSW			NP			NP						
Behavioral Health	Social Worker MSW			NP			NP						
Behavioral Health	Social Worker LCSW			NP			NP						
Allied Health	Clinical Lab Assistant			NP			NP						
Allied Health	Dental Asst			NP			NP						
Allied Health	Dental HA Therapist			NP			NP						
Allied Health	Dental Hygienist			NP			NP						
Allied Health	Echocardiography Technician			NP			NP						
Allied Health	EEG Technician			NP			NP						
Allied Health	EKG Technician			NP			NP						
Allied Health	EMT/ETT			NP			NP						

Appendix E: Tables of Samples and Estimates of Positions, Vacancies, Vacancy Rates, Number of Vacancies that Can Be Filled with New Graduates, and Mean and Maximum Length of Longest Vacancy in Months

State/Municipal													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Allied Health	Mammographer			NP			NP						
Allied Health	Massage Therapist			NP			NP						
Allied Health	Medical Assistant			NP			NP						
Allied Health	Medical Lab Technician			NP			NP						
Allied Health	Medical Technician			NP			NP						
Allied Health	MRI/CT Technician			NP			NP						
Allied Health	Nuclear Medicine Technician			NP			NP						
Allied Health	Paramedic			NP			NP						
Allied Health	Pharmacy Technician			NP			NP						
Allied Health	Phlebotomist			NP			NP						
Allied Health	Physical Therapy Assistant			NP			NP						
Allied Health	Radiology Technician			NP			NP						
Allied Health	Respiratory Therapist			NP			NP						
Allied Health	Sonographer			NP			NP						
Allied Health	Sterile Processing Technician			NP			NP						
Allied Health	Surgical Tech			NP			NP						
Health Education and Community Wellness	Community Health Representative			NP			NP						
Health Education and Community Wellness	Community Wellness Advocate			NP			NP						
Health Education and Community Wellness	Dietitian			NP			NP						
Health Education and Community Wellness	Health Educator			NP			NP						
Health Education and Community Wellness	Nutritionist			NP			NP						
Health Education and Community Wellness	Village Health Educator			NP			NP						
Health Education and Community Wellness	Community Health Aide/Practitioner (CHAP)			NP			NP						

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State/Municipal													
Organization Type	Occupations	Sample			Estimate			Number of Vacancies that can be Filled with New Graduates		Mean and Maximum Longest Length of Vacancy in Months			
		Positions	Vacancies	Vacancy Rate	Positions	Vacancies	Vacancy Rate	Sample	Estimates	Sample Maximum	Sample Mean	Estimate Maximum	Estimate Mean
Managers and Administrators	Administrator/Director/CEO/Manager			NP			NP						
Managers and Administrators	Behavioral Health Supervisor			NP			NP						
Managers and Administrators	Health Information Administrator/Manager			NP			NP						
Managers and Administrators	Hospital Administrator			NP			NP						
Managers and Administrators	Human Resources Director			NP			NP						
Managers and Administrators	Medical Director			NP			NP						
Managers and Administrators	Nursing Director/Executive			NP			NP						
Information and Reimbursement	Billing Clerk/Technician			NP			NP						
Information and Reimbursement	Billing Supervisor			NP			NP						
Information and Reimbursement	Compliance/Auditor			NP			NP						
Information and Reimbursement	Records Clerk/Technician			NP			NP						
Information and Reimbursement	Transcript			NP			NP						
Information and Reimbursement	Coding Clerk/Technician			NP			NP						
Information and Reimbursement	Certified Coder			NP			NP						
Information and Reimbursement	Coding Specialist			NP			NP						
Paramedics	Paramedic			NP			NP						
Paramedics	Firefighter with Emergency Medical Service			NP			NP						