

# EKG Technician Externship Knowledge & Skills

Learner name: \_\_\_\_\_

When the learner has completed each item, initial and rate the learner’s demonstration of knowledge and skill. Feel free to add your observations in the comments section.

**Rating Scale:**

- 1 - Not evident
- 2 - Approaching standard
- 3 - Meeting standard
- 4 - Above standard
- 5 - Distinguished
- N/A - Not applicable

<b>Standard 1: Personal/Interpersonal Knowledge and Skills</b>		<b>Rate 1-5 or N/A</b>	<b>Preceptor Initials</b>
1.1	Demonstrates ethical conduct in all job-related activities.		
1.2	Presents an image appropriate for the profession in appearance and behavior.		
1.3	Demonstrates active and engaged listening skills.		
1.4	Communicates clearly when speaking and in writing.		
1.5	Demonstrates a respectful attitude when interacting with diverse patient populations.		
1.6	Applies self-management skills, including time management, stress management, and adapting to change.		
1.7	Applies interpersonal skills, including negotiation skills, conflict resolution, and teamwork.		
1.8	Applies critical thinking skills, creativity, and innovation to solve problems.		
Comments:			

<b>Standard 2: Safety, Compliance, and Coordinated Patient Care</b>		<b>Rate 1-5 or N/A</b>	<b>Preceptor Initials</b>
2.1	Adheres to HIPAA regulations.		
2.2	Adheres to infection control practices (e.g., OSHA, universal precautions).		
2.3	Adheres to scope of practice and comply with ethical standards.		
2.4	Communicates appropriately with patients and members of the multidisciplinary healthcare team.		
2.5	Obtains and interprets patient vital signs.		
2.6	Instructs patients about preparation for and expectations during stress testing.		
2.7	Instructs patients on use of ambulatory monitoring (e.g., Holter, event), and verifies their understanding.		
2.8	Utilizes electronic medical records/electronic health records (EMR/EHR) to input patient information (e.g., patient history, medications, vitals, completed EKG).		
2.9	Recognizes signs and symptoms of cardiopulmonary compromise.		
Comments:			

<b>Standard 3: EKG Acquisition</b>		<b>Rate 1-5 or N/A</b>	<b>Preceptor Initials</b>
3.1	Maintains EKG equipment (e.g., load paper, replace clips, disinfect machines and leads).		
3.2	Verifies EKG machine settings (speed, gain).		
3.3	Prepares skin for electrode placement.		
3.4	Positions patient for cardiac testing (e.g., 3-, 5-, 12-lead, stress test, telemetry).		
3.5	Applies electrodes and attach leads for: <ul style="list-style-type: none"> <li>Standard 12-lead EKG</li> </ul>		

	<ul style="list-style-type: none"> <li>• Ambulatory (e.g., Holter, event) monitoring</li> <li>• Stress testing</li> <li>• Telemetry</li> <li>• Patients who have special considerations (e.g., right-sided heart, posterior chest, amputations, pediatric)</li> </ul>		
3.6	Verifies that all leads were recorded.		
3.7	Identifies and resolves artifacts from the tracing (e.g., wandering baseline, somatic, electrical).		
3.8	Mounts a completed EKG tracing strip for patient's chart.		
3.9	Assists in monitoring patient condition during stress testing.		
3.10	Provides support in responding to complications during stress testing.		
Comments:			

<b>Standard 4: EKG Analysis and Interpretation</b>		<b>Rate 1-5 or N/A</b>	<b>Preceptor Initials</b>
4.1	Calculates patient's heart rate from the EKG tracing.		
4.2	Determines the regularity of the patient's heart rhythm from the EKG tracing.		
4.3	Measures EKG intervals and waveforms (e.g., PR interval [PRI], QRS duration, QT interval).		
4.4	Inspects the waveform characteristics (P waves, QRS complexes, ST segments, T waves) for symmetry, direction, and amplitude.		
4.5	Identifies arrhythmias (sinus, atrial, ventricular, junctional, heart blocks) from the EKG tracing.		
4.6	Recognizes pacemaker spikes on an EKG tracing.		
4.7	Identifies ischemia, injury, and infarction on the EKG tracing.		
4.8	Takes appropriate action when life-threatening arrhythmias are identified.		



4.9	Perform minimum of 10 EKGs on live individuals (See page 5)		
Comments:			

Site Supervisor or Preceptor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Site Supervisor or Preceptor's Title: \_\_\_\_\_

The completed form can be submitted via email to [externships@careerstep.com](mailto:externships@careerstep.com) or fax to (801) 407-1951.

<b>EKG</b>		
	Date	Signature
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>7</b>		
<b>8</b>		
<b>9</b>		
<b>10</b>		

NOTE: 10 EKGs on live individuals are required to sit for the CET with NHA.