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Physio-Control - Sr Human Factors Engineer - Redmond - 19224BR - EN

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Job Snapshot

Requisition ID#: 19224BR

Job Title: Physio-Control - Sr Human Factors Engineer - Redmond - 19224BR - EN

Business Function: Clinical Affairs

Division: Medical

Location: US-WA-Redmond

% Travel Required: Up to 20%

Employee Type: Full-Time

Shift: 1st

Description

About Stryker

Stryker is one of the world's leading medical technology companies and together with our customers, we are driven to make healthcare better. The Company offers a diverse array of innovative medical technologies, including reconstructive, medical and surgical, and neurotechnology and spine products to help people lead more active and more satisfying lives. Stryker products and services are available in over 100 countries. All qualified applicants will receive consideration for employment without regard to race, ethnicity, color, religion, sex, gender identity, sexual orientation, national origin, disability, or protected veteran status. Stryker is an EO employer – M/F/Veteran/Disability.

GENERAL SUMMARY
Apply knowledge of human performance and human factors techniques to the design and development of products offered by Physio-Control. Utilize theories, principles, and data associated with human performance capabilities and limitations (perceptual, cognitive, motor, bio-mechanical, and anthropometric) and apply this knowledge to the design, definition, evaluation, launch, and use of products across the range of the portfolio of Class II and III resuscitation products.

MAJOR DUTIES/RESPONSIBILITIES

- Provide Human Factors expertise across product range including identifying, planning, monitoring, and executing product development activities for projects to ensure superiority usability.
- Provide Human Factors support across the product lifecycle including customer and user needs identification, development of user profiles, usage scenarios and task analyses.
- Assist in the translation of user needs and requirements into interaction/interface design solution concepts.
- Use appropriate Human Factors techniques to work with end users to determine end user behavior, preferences, and usage models and integrate these into design concepts.
- Participate in the development of physical mock-ups and interactive prototypes of design concepts.

- Plan and conduct end user evaluations of product concepts, analyze data, document evaluation methods and results; present recommendations to the project teams.
- Lead the development of a Human Factors Standard; provide in-house training and promote the importance of human factors engineering.
- Lead Clinical Team in required procedural changes in the transition toward compliance to IEC 60601-1-6 3rd edition related to usability risk management.
- Prepare clear and effective oral and written reports of current status, progress and status of project, as required by project or department management.
- Maintain technical knowledge current with advancing technology related to emergency response resuscitation products and associated accessories.

Requirements

BASIC QUALIFICATIONS

- 5+ years of experience in Human Factors Engineering and product development of Class II or III medical devices.
- BS in Human Factors, Usability Engineering or Cognitive/Experimental Psychology (HFE Certificate a plus) or other related field of study.

PREFERRED/DESIRED EXPERIENCE

- MS in Human Factors related discipline, such as Cognitive Psychology or other related field
- Class III Medical device human factors experience
- Experience with FDA Human Factors Guidance and regulatory requirements for Medical Devices
- Experience leading projects toward compliance of IEC 60601-1-6 Usability Collateral
- Strong oral and written technical communication skills
- Strong ability to work with multidisciplinary teams that may include other design experts
- Strong collaboration and influence skills to succeed in highly matrixed environment
- Other duties as assigned

Working Conditions

- Class II and III Medical Device, highly regulated environment
- Ability to travel up to 10-20% of the time
- Fast-paced office environment; requires significant use of telephone and computer keyboard, monitor, and mouse
- Sitting/Standing 8+ hours per day
- Regular uses of hands to finger, handle, or feel objects, tools, or controls, as well as reach with hands and arms
- Ability to occasionally lift and/or move up to 15 pounds
- Specific vision abilities required for this job involve normal vision

- The noise level in the work environment is usually quiet to moderate
- May require longer hours during peak project periods

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