

30th Surgical Nursing & Nurse Education Conference 2020 scheduled during Aug 03-04, 2020, Hanoi, Vietnam

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Nursing is a stimulating field as it links many scientific disciplines and allows for collaboration with other scientists in researching and developing new drugs. Medicinal chemists apply their chemistry training to the process of synthesizing new pharmaceuticals. They also improve the processes by which existing **Nursing** are made. This review describes the latest techniques and how they are used to customize the surgery to the needs of the individual patient.

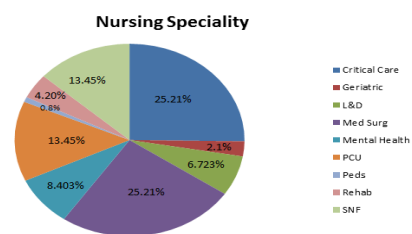
The U.S. market for medical robotics and computer-assisted surgical equipment was worth an estimated \$648 million in 2008. The market is projected to reach \$676 million in 2009 and \$1.5 billion by 2014, a CAGR of 17.7%. In terms of surgical applications, orthopedic surgical applications are projected to grow at a CAGR of 42.6% between 2009 and 2014 and are expected to account for 22% of the market by 2014.

The global market for minimally invasive medical devices and equipment reached roughly \$15.4 billion in 2014 and is expected to reach \$21.5 billion in 2019, registering a CAGR of 6.8% for the period 2014-2019. The technological improvements and changes in health care cost control will cause the demand for medical device sensors to increase at a compound annual growth rate (CAGR) of 3.1% between 2009 and 2014, when it will approach \$9 billion. Semiconductor/MEMS sensors will experience a 5% compound annual growth rate (CAGR), from \$5 billion in 2009 to an estimated \$6.5 billion in 2014. Passive medical device sensors were valued at \$1.4 billion in 2009 and are expected to decline in value to \$1.3 billion in 2014, a -2% compound annual growth rate (CAGR)

The vacancy rate for Registered Nurses continues to rise and currently stands at 8.5%. A year ago, this stood at 7.2%. Thirty-one percent (28.1%) of hospitals reported a RN vacancy rate of "less than 5%". This is a 6.2-point drop from 2015 and a 31.4-point decrease from 2012. In 2012, 59.5% of the hospitals indicated a vacancy rate of "less than 5%". This rightward shift, along with the RN Recruitment Difficulty Index, is a clear indication that the

RN labor shortage has returned and is intensifying. The vacancy rate of "Greater than 12.5%" saw the greatest increase to 18.8% of the respondents. Of significant concern is that a third (32.9%) of all hospitals have a RN vacancy rate higher than 10%. This is up from 4.8% in 2012. As the economy improves, as RNs no longer delay retirement, as RNs reconsider travel nursing, as part time RNs take less shifts and as the demand for RNs increase expect the vacancy rate to further deteriorate. When the labor market tightens, hospitals have historically sought to bridge the gap by utilizing overtime, surgical nurses, agency staff and travel nurses. All of which are costly strategies and can lead to issues with quality, safety, physician satisfaction, employee satisfaction and the patient experience.

The Surgical Nursing market is estimated at \$2,630.9 million in 2013 and is expected to reach \$8,346.4 million by 2020, growing at a CAGR of 25.2% from 2013 to 2020 Dubai.



Importance & Scope:

Surgical nurses are the largest group of practicing professionals. It is one of the most demanding nursing specialties. A surgical nurse, also referred to as a theatre nurse, specializes in preoperative care which means they provide care to patients before, during and after surgery. Perioperative nurses work closely with Surgeons, Anesthesiologists, Nurse Anesthetists, Surgeon's Assistants, Surgical Technologists, and Nurse Practitioners.

This review describes the latest techniques and how they are used to customize the surgery to the needs of the

individual patient. Nurse education courses that can be relevant to general nursing or to specialized areas including mental health nursing, pediatric nursing and post-operative nursing. During a surgical procedure a surgical assistant function in the role of a second physician in the operating room. Nurse education has undergone a process of diversification towards advanced and specialized credentials. Medical-surgical nurses can manage five to seven patients, plus the ones they have admitted and discharged throughout the day.

They can implement the recent advances and techniques.

Target Audience:

- Directors/CEO & Department Head Vice Presidents/ Directors,
- Doctors,
- Surgeons,
- Nurses,
- Professors,
- Nursing researchers,
- Health Care Professionals,
- Nursing Training Institutes,
- Students and physicians from Academia in the study of Emergency Medicine field.

Top hospitals in the world:

- Asian Heart Institute
- Bunrungrad International Hospital, Thailand
- Carilion Roanoke Memorial Hospital, USA
- Centro Medico ABC
- Clemenceau Medical Center, Lebanon
- C. S. Mott Children's Hospital, USA
- Gleneagles Hospital
- Hospital Punta Pacifica, Johns Hopkins, Panama
- Johns Hopkins Hospital

- Klinik Hirslanden
- Legacy Salmon Creek Hospital, USA
- Massachusetts General Hospital
- Queen Elizabeth Hospital
- Royal Melbourne Hospital
- Rudolfinerhaus, Austria
- Wooridul Hospital
- Sky Ridge Medical Center, USA
- St. Luke's Medical Center, Philippines
- St. Rose Dominican Hospitals, Siena Campus, USA
- Beecham Pharmaceuticals (Pte) Ltd,

Related Associations and Societies:

- Academy of Medical-Surgical Nurses
- American nurses Association
- American Society of Plastic & Reconstructive Surgical Nurses, Inc.
- Society of pediatric Nurses
- The Michael E. DeBakey International Surgical Society
- American Association of nurse anesthetists
- Emergency Nurses Association
- Interagency Council on Information Resources in Nursing (ICIRN)
- American Medical Informatics Association (AMIA)
- Health Information Management Systems Society (HIMSS)
- Australian Association of Consultant Pharmacy
- Society of Hospital Pharmacists of Australia
- Australian Physiotherapy Association

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- European Oncology nursing Society
 - Royal Australian and New Zealand College of Psychiatrists
 - Royal Australasian College of Dental Surgeons
 - Royal Australasian College of Surgeons
 - Australasian Society of Cataract and Refractive Surgeons
 - Australasian Society for Ultrasound in Medicine
 - Urological Society of Australasia