TEXAS BOARD OF NURSING BULLETIN

A QUARTERLY PUBLICATION OF THE TEXAS BOARD OF NURSING

October 2018

Board Adopts Guidelines for Responsible Prescribing of Controlled Substances

At the July 2018 meeting of the Texas Board of Nursing (Board), the Board voted unanimously to adopt guidelines related to the responsible prescribing of controlled substances, including opioids, benzodiazepines, barbiturates, and carisoprodol. The guidelines were passed in response to House Bill (HB) 2561 that required all agencies that license individuals to prescribe controlled substances to develop guidelines related to the responsible prescribing of certain types of controlled substances. The guidelines are the result of the work of the Advanced Practice Nursing Advisory Committee. It is important to note that Board members and Advisory Committee members determined that the principles are applicable to the safe prescribing of all controlled substances, and the guidelines are written broadly for that purpose. The full text of the guidelines is included below and may also be found on the Board's website at **www.bon.texas.gov/practice_guidelines.asp#RG_Prescribe**.

Guidelines for the Responsible Prescribing of Opioids, Benzodiazepines, Barbiturates, Carisoprodol (Soma), and Other Controlled Substances

When prescribing controlled substances, all advanced practice registered nurses (APRNs) are required to know and comply with *Board Rule 222, relating to Advanced Practice Registered Nurses with Prescriptive Authority*. APRNs who are engaged in providing pain management services are also required to comply with *Board Rule 228, relating to Pain Management*. It is important for all APRNs to know and recognize the challenges associated with prescribing these drugs and be certain they are in compliance with not only Board rules, but also the rules of the Texas State Board of Pharmacy and the US Drug Enforcement Administration (DEA) when writing such prescriptions. The rules of the Texas Medical Board also provide information regarding the practice of pain management. These guidelines are intended to comply with the requirement set forth in *Texas Health and Safety Code, §481.0762(a)* and to aid APRNs who prescribe opioids, benzodiazepines, barbiturates, and carisoprodol (Soma).

Four types of drugs are known to have significant addictive potential and are prevalent in health care provider disciplinary cases involving non-therapeutic prescribing. These drugs include opioids, benzodiazepines, barbiturates, and carisoprodol (Soma). The incidence of non-therapeutic prescribing of these drugs has significant public health implications. Information reported in the literature typically focuses on the rising number of emergency department visits for opioid-related overdoses and does not include emergency department visits for overdoses involving other categories of drugs, such as benzodiazepines, barbiturates, and carisoprodol (Soma). There is also ongoing research regarding the links between the opioid epidemic and infectious diseases, such as hepatitis C and HIV. These implications are receiving attention in Texas and across the nation.

Texas Health and Safety Code, §481.0762 requires all agencies that license providers who have authority to prescribe controlled substances to develop guidelines for responsible prescribing of opioids, benzodiazepines, barbiturates, and carisoprodol (Soma). Although general principles of safe prescribing are applicable to prescribing of these types of drugs, there are additional considerations that providers should recognize.

Texas has a prescription monitoring program (PMP) that collects and monitors prescription data for all controlled substances dispensed by pharmacies in Texas or to Texas residents from a pharmacy that is located in another state. The PMP also allows providers to query their own prescribing history. It is important for all APRNs to recognize the importance of checking the Texas PMP before prescribing any controlled substance. The PMP

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and information about that program may be found on the Texas State Board of Pharmacy's website at **www.pharmacy.texas.gov/PMP/**.

Effective September 1, 2019, all APRNs who prescribe opioids, benzodiazepines, barbiturates, or carisoprodol (Soma) are required to access and review the Texas PMP in compliance with *Texas Health and Safety Code, §481.0764(a).*

When treating patients for pain, it is important for APRNs to recognize that the overarching goal of pain management is to treat the patient's pain in a manner that provides therapeutic benefit to the patient. The patient's overall health must be considered, including their level of physical function as well as psychological, social, and work-related factors. Treatment plans must be supported by evidence-based research and within the current standard of care for the patient's condition. APRNs must be cautious to ensure that they are treating the patient's condition and not only the patient's symptoms.

Consultation and referral are an important part of providing care to patients who are experiencing pain. It is important for APRNs to keep in mind that pain has a physical component as well as a psychological component, and both must be addressed appropriately. Patients who are at risk for or who have known histories of substance use disorder are likely to require consultation and possible referral to providers with significant expertise in addictionology. Likewise, patients with co-existing psychological and/or psychiatric disorders will also require consultation and possible referral to an expert in the treatment of these disorders or conditions. APRNs must be aware of the limitations of their own level of knowledge and expertise and must refer appropriately as indicated.

APRNs must be aware of warnings issued by the FDA when prescribing these drugs. For example, the FDA issued a black box warning regarding issues such as respiratory depression, sleep apnea, and even death when taking opioids alongside benzodiazepines or other central nervous system depressants, including alcohol. APRNs have a duty to consider these and other risks and to prescribe these drugs judiciously.

It is important for APRNs to remember that they must comply with the requirements of Board Rule 222.8 when prescribing **any** controlled substance. For example, testosterone is a Schedule III drug. When prescribing this drug or other controlled substances, all requirements of Board Rule 222.8 must be met, and it would be appropriate for the APRN to review the PMP when writing such prescriptions.

National guidelines for safe prescribing exist. APRNs are encouraged to consult these guidelines and incorporate them into their practices. Guidelines include but are not limited to:

- Texas Board of Nursing Rules 222 and 228, available at: **www.bon.texas.gov/laws_and_rules_rules_and_regulations_current.asp**
- Texas Medical Board Rules 170 and 195, available at: **www.tmb.state.tx.us/page/board-rules**
- CDC Guideline for Prescribing Opioids for Chronic Pain—United States, 2016, available at: **www.cdc.gov/mmwr/volumes/65/rr/rr6501e1.htm**
- National Council of State Boards of Nursing Opioid Toolkit, available at: **www.ncsbn.org/opioid-toolkit.htm**
- American Society of Interventional Pain Physicians (ASIPP) Guidelines: Responsible, Safe, and Effective Prescription of Opioids for Chronic Non-Cancer Pain, available at: **painphysicianjournal.com/current/pdf?article=NDIwMg%3D%3D&journal=103**

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The Texas Board of Nursing

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Summary of Actions

A regular meeting of the Board of Nursing was held July 19-20 2018, in Austin.
The following is a summary of Board actions taken during this meeting.

In the August 3, 2018, edition of the *Texas Register*:

The Texas Board of Nursing (Board) adopted amendments to 22 Tex. Admin. Code §§214.2 -214.4, 214.6 -214.11, and 214.13 without changes to the proposed text published in the June 1, 2018, issue of the *Texas Register* (43 TexReg 3544). The Board adopted amendments to 22 Tex. Admin. Code §§215.2 -215.4, 215.6 -215.11, and 215.13 with non-substantive changes to references in the proposed text as published in the June 1, 2018, issue of the *Texas Register* (43 TexReg 3553). The Board adopted amendments to 22 Tex. Admin. Code §217.1 without changes to the proposed text published in the June 1, 2018, issue of the *Texas Register* (43 TexReg 3564). The Board adopted amendments to 22 Tex. Admin. Code §217.14 without changes to the proposed text published in the June 1, 2018, issue of the *Texas Register* (43 TexReg 3565). The Board adopted new 22 Tex. Admin. Code §217.23 with changes to the proposed text published in the June 1, 2018, issue of the *Texas Register* (43 TexReg 3567).

Amendments to 22 Tex. Admin. Code §§214.2 - 214.4, 214.6 - 214.11, 214.13; §§215.2 - 215.4, 215.6 - 215.11, 215.13; §217.1, §217.14, and new §217.23 became effective August 9, 2018.

In the August 31, 2018, edition of the *Texas Register*:

The Board proposed amendments to 22 Tex. Admin. Code §211.9, relating to *General Considerations* (43 TexReg 5636). The amendments are necessary for compliance with the statutory mandates of the Government Code Chapter 2261 relating to enhanced contract or performance monitoring. The Board proposed amendments to 22 Tex. Admin. Code §222.8, relating to *Authority to Order and Prescribe Controlled Substances,* and 22 Tex. Admin. Code §222.10, relating to *Enforcement* (43 TexReg 5638). The amendments are necessary for compliance with the statutory mandates of the Health and Safety Code §481.0764 and §481.0765. During the 85th Legislative Session, the Texas Legislature enacted House Bill (HB) 2561, which amended the Health and Safety Code Chapter 481, and became effective on September 1, 2107. Among other things, HB 2561 requires health care practitioners, including advanced practice registered nurses (APRNs), to access the Texas Prescription Monitoring Program (PMP) prior to prescribing or dispensing opioids, benzodiazepines, barbiturates, or carisoprodol. The bill further authorizes, but does not require, practitioners to access the PMP prior to prescribing or dispensing any controlled substance. The proposed rule implements these statutory requirements and provides guidance to Board regulated practitioners who prescribe these medications. The Board proposed new 22 Tex. Admin. Code §228.2, relating to *Prescription Monitoring Program.* The new section is necessary for compliance with the statutory mandates of the Health and Safety Code §481.0764 and §481.0765. HB 2561, mentioned above, requires health care practitioners, including advanced practice registered nurses (APRNs), to access the Texas Prescription Monitoring Program (PMP) prior to prescribing or dispensing opioids, benzodiazepines, barbiturates, or carisoprodol. The bill further authorizes, but does not require, practitioners to access the PMP prior to prescribing or dispensing any controlled substance. The proposed rule implements these statutory requirements and provides guidance to Board regulated practitioners who prescribe these medications.

Earliest possible date of adoption for proposed amendments to 22 Tex. Admin. Code §211.9, §222.8, §222.10, and new §228.2 is September 30, 2018.

In the September 14, 2018, edition of the Texas Register:

The Texas Board of Nursing (Board) proposed amendments to 22 Tex. Admin. Code §217.13, relating to *Peer Assistance Program* (43 TexReg 5905). The amendments are being proposed under the authority of the Occupations Code §301.151 and are necessary for compliance with the requirements of House Bill (HB) 2950, effective September 1, 2017. The Board proposed new 22 Tex. Admin. Code §217.24, relating to *Telemedicine Medical Service Prescriptions* (43 TexReg 5907). The new section is being proposed under the authority of the Occupations Code §301.151 and §111.006 and is necessary for compliance with the statutory mandates of the Occupations Code Chapter 111. During the 85th Legislative Session, the Texas Legislature enacted Senate Bill (SB) 1107, which became effective on May 27, 2017. SB 1107 added new §§111.005 - 111.008 to Chapter 111. These new sections address prescriptions issued during the course of telemedicine medical services.

Earliest possible date of adoption for proposed amendments to 22 Tex. Admin. Code §217.13 and new 22 Tex. Admin. Code §222.8 is October 14, 2018.

Nursing Education Actions - July 2018 Board Meeting

Reviewed Reports on:

Status Report on New Nursing Education Programs and Currently Active and Potential Proposals;

Status Report on Programs with Sanctions; and

Status Report on Communication Activities with Nursing Education Programs.

Approved Reports of Survey Visits:

Bell Tech Career Institute Vocational Nursing (VN) Education Program in Houston,

Panola College VN Education Program in Carthage,

Texas Health School VN Education Program in Houston, and

Cybertex Institute of Technology VN Education Program in Austin.

Progress Report of Innovative Pilot Project:

Del Mar College Associate Degree Nursing (ADN) Education Program in Corpus Christi.

Accepted Notification of Program Closure:

Concorde Career College ADN Education Program in Dallas.

Approved Proposals to Establish New Nursing Education Programs:

Schreiner University Baccalaureate Degree Nursing (BSN) Education Program in Kerrville,

Howard Payne University BSN Education Program in Brownwood, and

Arizona College BSN Education Program in Dallas.

Did You Know... Nursing Education Newsletters are posted on the Board of Nursing website at: https://www.bon.texas.gov/nursing_newsletters.asp

Nurses and Cosmetic Procedures:

Licensed Vocational Nurses

The Board receives questions frequently about whether cosmetic procedures are within the scope of practice for a licensed vocational nurse (LVN). Because each nurse has a different background, knowledge, and level of competence, the Board does not have an all-purpose list of tasks that every nurse can or cannot perform, and it is up to each individual nurse to use sound judgment when deciding whether or not to perform any particular procedure or act. The following resources, however, are intended to provide you guidance in determining if cosmetic procedures are within your scope of practice.

What is the LVN scope of practice in regards to cosmetic procedures?

Vocational nursing is a directed scope of nursing practice, including the performance of an act that requires specialized judgment and skill, the proper performance of which is based on knowledge and application of the principles of biological, physical, and social science as acquired by a completed course in an approved school of vocational nursing. The term does not include acts of medical diagnosis or the prescription of therapeutic or corrective measures.

Vocational nursing involves:

A. collecting data and performing focused nursing assessments of the health status of an individual;

B. participating in the planning of the nursing care needs of an individual;

C. participating in the development and modification of the nursing care plan;

D. participating in health teaching and counseling to promote, attain, and maintain the optimum health level of an individual;

E. assisting in the evaluation of an individual's response to a nursing intervention and the identification of an individual's needs; and

F. engaging in other acts that require education and training, as prescribed by Board rules and policies, commensurate with the nurse's experience, continuing education, and demonstrated competency [Tex. Occ. Code §§301.002(5)].

Additionally, vocational nursing must be performed under the supervision of a registered nurse (RN), advanced practice registered nurse (APRN), physician assistant, physician, dentist, or podiatrist [Tex. Occ. Code §**301.353**].

Regardless of the setting or practice area, the Nursing Practice Act (NPA) and Board Rules and Regulations prevent LVNs from practicing in a completely independent manner. Vocational nursing requires the acts/procedures being performed be within the scope of the LVN's practice and appropriate orders be in place. While the NPA and Board rules do not specifically address cosmetic procedures, when a medication has been appropriately ordered for a specific client by a provider who has authorization to order such treatments, each nurse would need to individually determine whether or not that specific act is within his/her scope of practice. Each LVN would need to individually apply the Board's **Six-Step Decision-Making Model for Determining the LVN Scope of Practice**, a step-by-step tool designed to assist LVNs in determining whether a task or procedure is within his/her scope of practice. Note that two LVNs could both utilize the Six-Step Model and come to differing answers of whether or not the same given task is within their respective scopes of practice because each nurse has his/her own individual knowledge, experience, training, etc.

Below are some examples of what you should consider when evaluating whether a cosmetic procedure is within your scope of practice:

1. Whether you have the necessary educational preparation and knowledge to perform the task safely.

   a. Was the procedure taught to you as a part of your formal educational curriculum in a school of vocational nursing?

   b. Do you know what complications and/or untoward effects may result from the task or procedure?

   c. Does the task or procedure require a higher level of licensure or a different level of authorization?

2. Whether you have the competency and skill to safely perform the task or procedure.

   a. Have you obtained additional training or continuing education specific to the cosmetic procedure?

      i. Keep in mind that continuing education and on-the-job training may expand competency at the current level of licensure but CANNOT qualify a LVN to perform the same level of care as a RN or APRN.

   b. In the event of complications and/or untoward effects, are you able to respond appropriately?

3. Whether there is an appropriate order from a provider authorized to prescribe such treatments

   a. For administration of drugs, such as Botox, does the order contain all pertinent information, such as dose, strength, route, etc.?

   b. Do you have a standing delegation order, if applicable?

4. Whether there is appropriate nursing and medical supervision available.

   a. Is the supervising RN on-site?

   b. Is the ordering provider on-site?

A LVN should not perform a cosmetic procedure if the LVN lacks the necessary educational preparation, knowledge, competency, or skill to safely

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perform the procedure; lacks an order for the procedure; or lacks appropriate supervision.

To further assist you in determining whether a cosmetic procedure is within your scope of practice, Board Staff recommend review of several resources available on the Texas BON website. These resources include:

- **Tex. Admin. Code §217.11** (Standards of Nursing Practice) outlines the minimum standards of nursing care at all licensure levels (LVN, RN, APRN). Specific subsections of this rule can be directly applied to this situation and should be considered. All nurses must:

  - (1)(A)- know and conform to the Texas NPA and the Board's rules and regulations as well as all federal, state, or local laws, rules or regulations affecting the nurse's current area of nursing practice;

  - (1)(B)- implement measures to promote a safe environment for clients and others;

  - (1)(C)- know the rationale for and the effects of medications and treatments and correctly administer the same;

  - (1)(G)- obtain instruction and supervision as necessary when implementing nursing procedures or practices;

  - (1)(H)- make a reasonable effort to obtain orientation/training for competency when encountering new equipment and technology or unfamiliar care situations;

  - (1)(M)- institute appropriate nursing interventions that might be required to stabilize a client's condition and/or prevent complications;

  - (1)(O)- implement measures to prevent exposure to infectious pathogens and communicable conditions;

  - (1)(R)- be responsible for one's own continuing competence in nursing practice and individual professional growth; and

  - (1)(T)- accept only those nursing assignments that take into consideration client safety and that are commensurate with the nurse's educational preparation, experience, knowledge, and physical and emotional ability.

- Position Statement 15.9 (Performance of Laser Therapy by RNs or LVNs)

- Position Statement 15.23 (The Use of Complementary Modalities by the LVN or RN)

- Position Statement 15.11 (Delegated Medical Acts) - specifically addresses the nurse's role with delegated medical acts. Board staff recommend caution when performing a delegated medical act, as delegated medical acts do not diminish the responsibility of the nurse in any way to adhere to the Board's Standards of Nursing Practice, Tex. Admin. Code §217.11. Nurses function under their own licenses and assume responsibility and accountability for quality, safe care in accordance with all applicable laws/rules/regulations; nurses do not practice under a physician's license.

- Position Statement 15.14 (Duty of a Nurse in any Practice Setting) - discusses a landmark court case which demonstrates how every nurse has a duty to promote patient safety and that duty to a patient supersedes any physician order or facility policy.

- Position Statement 15.10 (Continuing Education: Limitations for Expanding Scope of Practice) - clarifies that expansion of an individual nurse's scope of practice has licensure-related limitations and that informal continuing nursing education or on-the job training cannot be substituted for formal education leading to the next level of practice/licensure or authorization.

Board Staff also recommend review of the **Texas Medical Board Rule 193.17**, entitled Nonsurgical Medical Cosmetic Procedures, that addresses the rules related to physician delegation of nonsurgical medical cosmetic procedures. In addition, depending on the range of services you plan to provide, there may be specific licensure requirements including, but not limited to, **Cosmetology Licensing**. Having a nursing license authorizes you to practice nursing within your licensure level and scope of practice but not to do other things that require separate licensure/certification. You can find additional **regulations related to cosmetologists/practicing cosmetology** from the agency that regulates cosmetologists, the **Texas Department of Licensing and Regulation**. Additionally, there may be applicable regulations related to the practice setting; e.g., a private physician office might have further laws and rules from the **American Board of Medical Specialties**. Beyond following all applicable laws, rules, and regulations regarding the acts/tasks and the setting, the nurse would need to practice consistently with the employer's policies, assuming these policies promote patient safety (refer back to Position Statement 15.14 if necessary).

If a license is obtained via another agency or regulatory body to perform duties and tasks in another setting, for example, a medical spa, the Board considers persons who hold nursing licensure accountable for acts within the practice of nursing even if these acts are performed 'off duty' or in another setting [**Tex. Occ. Code §301.004**(a)(5)]. One example of this may be performing a lower leg wax for a client who has diabetes and peripheral neuropathy; this client may not be able to feel if the wax is too hot and there may be associated burns and a poor outcome. In this example, you would be held responsible for applying your nursing knowledge and judgment with this particular client. There is also a Frequently Asked Question which relates to this discussion (**Practice of Nursing**). Position Statement 15.15 (**Board's Jurisdiction Over a Nurse's Practice in Any Role and Use of the Nursing Title**) reiterates that any licensed nurse in Texas is responsible to and accountable to adhere to both the NPA and Board Rules and Regulations when practicing nursing, which have the force of law [Tex. Admin. Code §217.11(1)(A)].

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Nursing Practice Breakdown:

TERCAP Pilot Project Summary

In 1999 the Institute of Medicine published *To Err is Human*, bringing to light the impact of errors in healthcare. The following year, in 1999, the National Council of State Boards of Nursing (NCSBN) created an initiative known as the Practice Breakdown Advisory Panel (PBAP). This advisory panel was created "to study nursing practice breakdown, to identify common themes related to those events, and most importantly, to recommend strategies to individuals, teams, and organizations to correct unsafe conditions and practices" (NCSBN, 2009, p. 1-2). From the recommendations and innovations of this committee came the Taxonomy of Error, Root Cause Analysis, and Practice Responsibility or "TERCAP®".

TERCAP® is a data collection instrument that takes on the investigation and categorization of nursing practice breakdown and identifies the nurse, patient, healthcare team, and systems contributing factors surrounding an error event. This tool's use was intended to assist state boards of nursing in collecting data reported to them in a consistent manner to explore patterns in nursing practice breakdown and to differentiate breakdown in nursing practice from misconduct and purposive negligence (NCSBN, 2009).

The goal of the initiative was to analyze nursing practice breakdown in a way that allows for "a paradigm shift that reframes the focus from the individual, the nurse, to one that emphasizes prevention and the implications for the health care system, the health care team, and the individual nurse" (NCSBN, 2009, p.2). By using state boards of nursing as information collection resources, the data involved situations that were often more harmful to patients, involved practice outside of the standards, and indicated practice insufficiencies in a nurse's knowledge and skills (NCSBN, 2009). The Texas Board of Nursing (BON or Board) continues to be one of the highest contributors of nursing practice breakdown data to the NCSBN.

In addition to the Board's contribution to national data collection, the 82nd Legislature passed SB 193 allowing the BON to adopt a standardized error classification system for utilization by nursing peer review committees in 2011. Given this opportunity, the BON assembled a workgroup to advise the Board on the operation of this project. A pilot project that would further the research into nursing practice breakdown was initiated, but this time the data collection would involve minor incidents not reported to the BON. In order to collect this data, the pilot project utilized the national TERCAP® instrument's structure to provide for the review of nursing practice breakdown by nursing peer review committees on incidents that did not rise to the level of a report to the BON.

After the resources were developed, participation was solicited from hospital systems across the state of Texas for their involvement in this pilot project, and training was provided. Approximately 163 nurses attended the trainings from a total of 52 hospital systems' nursing peer review committees. The trainings offered nursing peer review committee participants the opportunity to learn how to use the Texas TERCAP Protocol and Instrument for review of nursing practice breakdown incidents deemed not reportable to the BON. Data collection occurred utilizing the Texas TERCAP Online Database from participating hospitals from September 1, 2012, to August 31, 2016.

With the completion of the pilot project, the final summary of the TERCAP Pilot Program is now available on the Board's website. This summary discusses the findings of the pilot program and trends related to nursing practice breakdown events deemed not reportable to the Board, along with important discoveries related to nursing practice breakdown in the state of Texas.

Through the findings of the pilot program, the Board has created a plan to address important nursing practice findings. In doing so, additional nursing peer review and nursing practice breakdown analysis resources are being developed that will eventually be disseminated to nursing peer review committees through the BON website for their use.

To find the **TERCAP Pilot Program- Final Summary Report** along with future resources please visit **www.bon.texas.gov**. From the homepage, hover your computer cursor over the **Practice** menu and then select **Nursing Practice Breakdown- TERCAP** to learn more.

Reference

National Council of State Boards of Nursing. (2009). *Nursing Pathways for Patient Safety*. St. Louis, MO: Mosby Elsevier.

Mark Majek elected as Director-at-Large for National Council of State Boards of Nursing

Mark Majek, MA, PHR, SHRM-CP, Director of Operations for the Texas Board of Nursing, was elected to serve as a Director-at-Large for the National Council of State Boards of Nursing (NCSBN) at the 2018 Delegate Assembly, held in Minneapolis, August 15-17, 2018. Responsibilities for the Director-at-Large include serving as a representative of all member boards, and transacting the business and affairs on behalf of the NCSBN.

Mr. Majek's previous experience on behalf of the NCSBN includes:

Special Services Division Group, 1994; Delegate Assembly Page, 1995-2000; Licensure Verification Task Force, 1995-1997; Licensure Verification Task Force, Chair, 1996-1997; Information System Users Group, 1998-1999; Phase II User Group Nursys, 1999-2000; Nursys Advisory Panel, 2000-2001; NCSBN Board of Directors, Area III Director, 2001-2005; Member Board Leadership Development Advisory Panel, 2006-2007; Finance Committee, 2008-2011; Leadership Succession Committee, 2012-2015; and, Bylaws Committee, Chair, 2015-2017.

Mr. Majek has served as the Director of Operations for the Texas BON for the past 31 years. His duties include oversight of finance, information technology, licensing, customer support, and publications. He currently serves as the sole Human Resources Practitioner for the BON and is certified as a Professional in Human Resources by the Society for Human Resource Management.

Free Continuing Education Courses offered by NCSBN

The National Council of State Boards of Nursing (NCSBN) Learning Extension currently offers two free continuing education courses pertaining to substance use disorder in nursing:

1) Understanding Substance Use Disorder in Nursing; and

2) Nurse Manager Guidelines for Substance Use Disorder.

Both online courses are self-paced and can be accessed by visiting the NCSBN Learning Extension Course Catalog at: **https://learningext.com**

Texas Board of Nursing Meeting Schedule

2018 Board Meeting Date

October 25-26

2018 Eligibility and Disciplinary Committee Meeting Dates

November 13 December 11

BON Education Task Force

November 15, Tower 2, Room 225, William Hobby Building, 10:00 AM-3:00 PM. Task Force to study growth in nursing programs.

2019 Board Meeting Dates

January 24-25 April 25-26
July 25-26 October 24-25

2019 Eligibility and Disciplinary Committee Meeting Dates

February 12 March 12
May 14 June 11
August 13 September 10
November 12 December 10

All Board and Eligibility & Disciplinary Committee Meetings will be held in Austin at the William P. Hobby Building located at 333 Guadalupe, Austin, Texas, 78701.

Board of Nursing Contact Information

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-- License Verification
-- General Information

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-- Violations of NPA and Rules and Regulations
-- Monitoring of Disciplined RNs and LVNs

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-- Examination..... exam@bon.texas.gov
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-- Publications

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NURSING PRACTICE.....(512) 305-6802
-- Nursing Practice Issues
-- Legislation

Workshop Information.....(512) 305-6844
-- Workshop e-mail inquiries.....workshops@bon.texas.gov

NEWSLETTER INFO.....(512) 305-6842

-- WEB Address.....www.bon.texas.gov
-- Refer e-mail inquiries to:.....webmaster@bon.texas.gov

The purpose of the *Texas Board of Nursing Bulletin* is to disseminate information to nurses licensed by the State of Texas, their employers, health care providers, and the public concerning laws and regulations established by the Texas Board of Nursing related to the safe and legal practice of nursing. The *Texas Board of Nursing Bulletin* provides information on current issues and trends in nursing regulation, status of nursing education programs, information regarding licensure and nursing practice, and disciplinary action taken against licensees who violated the Nursing Practice Act or Board Rules and Regulations.

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Office Hours and Location

The office of the Texas Board of Nursing is located in the William P. Hobby Building, located at the corner of 4th and Guadalupe in downtown Austin. The mailing address is: 333 Guadalupe, Suite 3-460, Austin, Texas 78701-3944. Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday, except for designated holidays.

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NOTICE OF DISCIPLINARY ACTION

The following nurses had disciplinary action taken against their licenses through a Board order containing public information about the nurse's disciplinary action. You can obtain information about these disciplinary actions from the Board's website, ***www.bon.texas.gov***, using the verification look-up under ***Licensure*** or under the disciplinary action section of ***Discipline & Complaints***. Under ***Licensure***, select ***Verification*** then click on the applicable type of license type; ***Discipline & Complaints,*** select Disciplinary Action then select individual newsletter date. Additionally, you can send your written request to the Texas Board of Nursing, Enforcement Division, 333 Guadalupe, Suite 3-460, Austin, Texas 78701-3944.

Name	License Numbers	Discipline	Action Date
Aaron, Stephanie Marie	RN 856729 & LVN 314359	Limited License	May 8, 2018
Acosta, Amanda	LVN 332280	Warning with Stipulations and Fine	June 12, 2018
Adeoye, Foluke	RN 826836 & LVN 170564	Voluntary Surrender	July 23, 2018
Alakeabiodun, Oluwa Jimisola Fisayo	LVN 325346	Warning with Stipulations	May 8, 2018
Allen, Nicole Roberta	RN 722750 & LVN 193555	Remedial Education with Fine	June 21, 2018
Alonzo, Joanna Margarita	LVN 318429	Warning with Stipulations	July 19, 2018
Andrews, Gina Cavender	RN 702697	Voluntary Surrender	July 27, 2018
Aniceto, Lynne Marie	RN 587325	Remedial Education	June 7, 2018
Aven, Kay Lecel	RN 726579	Warning with Stipulations and Fine	May 8, 2018
Avery, Mark Andrew	RN 838534	Warning with Stipulations	June 12, 2018
Awolaru, Mojisola Tawa	RN 905696 & LVN 171044	Suspend/Probate	June 12, 2018
Azufra, Kathleen Ganzon	RN 735437	Warning with Stipulations and Fine	July 19, 2018
Baethge, Deborah Lynn	RN 670122 & LVN 154254	Suspend/Probate	July 19, 2018
Bailey, Anthony	RN 745792 & LVN 202016	Remedial Education	May 24, 2018
Balderson, Brenda Jean	RN 738511	Voluntary Surrender	May 7, 2018
Barron, Elizabeth Aline	LVN 231847	Suspend/Probate	May 8, 2018
Belt, June	AP107452, RN 516075 & LVN 103083	Warning with Stipulations and Fine	June 12, 2018
Bergeron, Kathryn Marie	RN 804425	Revoked	May 8, 2018
Biberman, Zhanna	RN 842670	Warning with Stipulations and Fine	June 12, 2018
Bivens, Peteria N.	RN 841869	Reprimand with Stipulations	May 8, 2018
Black, Mikaela Lacey	RN 907900 & LVN 234061	Warning with Stipulations and Fine	July 19, 2018
Blackman, Jenny Margaret	RN 881426	Warning with Stipulations, Deferred	June 12, 2018
Blaize, Virginia	RN 449630	Warning with Stipulations and Fine	May 8, 2018
Bolen, Michele Alaine	LVN 300293	Warning with Stipulations	June 12, 2018
Bollinger, Teresa Jo	LVN 74574	Voluntary Surrender	July 2, 2018
Borja, Winep Balingit	RN 808519	Remedial Education	May 30, 2018
Bowers, Harry	RN 754831	Revoked	July 19, 2018
Bradford, Dora Ellen	LVN 120251	Reprimand with Stipulations	May 8, 2018
Brantley, Cislyn Blake	AP123971 & RN 835762	Suspend/Probate	July 19, 2018
Breaux, Shawn David	LVN 223232	Voluntary Surrender	May 4, 2018
Brown, Shara Michelle	RN 805686	Reprimand with Stipulations	June 12, 2018
Brown, Zoe Ann	LVN 122023	Voluntary Surrender	February 10, 2018
Broyles, Robin Lynn	LVN 176658	Suspend/Probate	July 19, 2018
Buenrostro, Crystal Taniele	LVN 179657	Reprimand with Fine	July 19, 2018
Burleson, Leisha Gail	RN 593846	Warning with Stipulations	July 19, 2018
Byrd, Sharon Kaye	RN 662481	Warning with Stipulations	June 12, 2018
Capers, Nikki Breanna	LVN 225909	Warning with Stipulations	July 19, 2018
Carruthers, Donna Lee	LVN 76227	Warning with Stipulations	July 19, 2018
Cary, Holly Lou	LVN 331571	Warning with Stipulations	May 8, 2018
Champion, Candi	RN 668812	Remedial Education	May 31, 2018
Chroback, Scott Davis	RN 872847	Voluntary Surrender	May 29, 2018
Cipriano, Vianca E.	LVN 315154	Warning with Stipulations	May 8, 2018
Clark, Barbara Jean	LVN 166329	Voluntary Surrender	June 25, 2018
Claycomb, Sheila Kay	LVN 193772	Reprimand with Stipulations and Fine	June 12, 2018
Coffelt, Kimberly Ann	LVN 150237	Remedial Education	May 15, 2018
Cole, Charlene Sue	RN 691866	Revoked	June 12, 2018
Collins, Heather Lucille	LVN 151834	Warning with Stipulations and Fine	June 12, 2018
Contreras, Susan H.	RN 677084	Warning with Stipulations	May 8, 2018
Cox, David Lee	RN 824711 & LVN 130069	Revoked	June 12, 2018
Cross, William Matthew	RN 872609	Reprimand with Stipulations	July 19, 2018
Cruz, Ramon	RN 929304	Revoked	July 19, 2018
Culclager, Gwenith Nynell	LVN 150610	Revoked	July 19, 2018
Delumpa, Emily Castillo	LVN 331720	Reprimand with Stipulations	May 8, 2018
Deramus, Diane	RN 651820	Warning with Stipulations	May 8, 2018
Diai, Nkechidinma Yvonne	LVN 315474	Suspend/Probate	June 12, 2018
Diallo, Kadiatou	PTP MD RN R155931	Remedial Education with Fine	May 21, 2018
Dickson, Amanda Marie	RN 743863	Reprimand with Stipulations and Fine	July 19, 2018
Dickson, Kimbelry Ann	RN 717877	Revoked	May 8, 2018
Dietrich, Drake Alan	RN 846770	Warning with Stipulations	July 19, 2018
Dillon, John Joseph	RN 814552	Voluntary Surrender	June 15, 2018
Dornelly, Murray Lloyd	RN 703749	Warning with Stipulations	June 12, 2018
Drew, Charity Dawn	RN 911609	Warning with Stipulations	July 19, 2018
Dricks, Alexis Chantrail	LVN 306904	Revoked	May 8, 2018
Drinnon, Shenista Ann	LVN 162143	Warning with Stipulations	May 8, 2018
Droogleever, Elpa Lagora	RN 523362	Voluntary Surrender	June 8, 2018
Dunn, Jack Edward	LVN 326705	Warning with Stipulations	July 19, 2018
Duplantier, Carhonda Fair	LVN 211529	Warning with Stipulations and Fine	May 8, 2018
Dutilly, Carol Alene	LVN 149543	Revoked	May 8, 2018

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DISCIPLINARY ACTION - continued from previous page

Name	License Numbers	Discipline	Action Date
Earnest, Jana Lynn	LVN 192556	Warning with Stipulations and Fine	June 12, 2018
Edwards, Rosanna Lea	LVN 130803	Enforced Suspension	June 19, 2018
Ellis, Karita Cansas	LVN 312049	Warning with Stipulations	May 8, 2018
Ellis, Walteshia Lorrain	LVN 194052	Warning with Stipulations	May 8, 2018
Enowmba, Ashu Arrey	PTP MO RN 2012023836	Remedial Education with Fine	July 11, 2018
Enriquez, Mark Lastimoso	RN 822041	Voluntary Surrender	June 5, 2018
Evans, Nancy Nicole	LVN 198159	Reprimand with Stipulations and Fine	June 12, 2018
Ezike, Chuks Samuel	RN 799377	Reprimand with Stipulations and Fine	May 8, 2018
Farley-Fisher, Linda G.	RN 255668	Enforced Suspension	May 18, 2018
Fisher, Jonette Michele	RN 699212 & LVN 135269	Enforced Suspension	May 7, 2018
Flander, Pramod Masih	RN 449731	Revoked	May 8, 2018
Flores, Elizabeth	RN 790621 & LVN 215113	Reprimand with Stipulations and Fine	June 12, 2018
Flores, Jose Luis	RN 753414 & LVN 184346	Warning with Stipulations and Fine	June 12, 2018
Flores, Nellie Ann	LVN 112894	Warning with Stipulations and Fine	June 12, 2018
Ford, Teresa Lynn	RN 738153 & LVN 170601	Warning with Stipulations and Fine	June 12, 2018
Forester, Daniel Ellis	RN 824951	Revoked	May 8, 2018
Frost, Elizabeth Ann	RN 912778	Remedial Education with Fine	May 17, 2018
Fulbright, Evelyn Eugene	LVN 126539	Fine	June 12, 2018
Fuller, Melissa Sharene	RN 678539	Enforced Suspension	May 8, 2018
Funck Free, Ericka Jean	LVN 302245	Warning with Stipulations and Fine	June 12, 2018
Gaddy, Kathleen Ann	RN 743582 & LVN 193689	Reprimand with Stipulations	July 19, 2018
Garcia, Jennifer Ilene	LVN 300268	Voluntary Surrender	June 11, 2018
Gloria, Dazael	LVN 301974	Enforced Suspension	July 9, 2018
Glyenn, Chelsea	RN 915705	Warning with Stipulations	July 19, 2018
Goad, Elizabeth Anne	RN 880579	Remedial Education	July 11, 2018
Golden, Elizabeth	LVN 326470	Revoked	May 8, 2018
Gonzales, Andy Rodriquez	LVN 154877	Revoked	June 12, 2018
Gonzales, Dianna	RN 819999	Reprimand with Stipulations	July 19, 2018
Grayson, Donna	RN 500488	Voluntary Surrender	June 29, 2018
Groce, Anna Lee	LVN 97917	Reprimand with Stipulations	June 12, 2018
Harmon, Danielette	LVN 335315	Remedial Education with Fine	June 27, 2018
Hayley, Jamie	LVN 226925	Suspend/Probate	June 12, 2018
Hecox, Amanda Rae	LVN 231478	Revoked	June 12, 2018
Heimlich, Bonnie Sue B.	RN 435308	Warning with Stipulations	May 8, 2018
Henderson, Melanie Ann	RN 775586	Voluntary Surrender	June 25, 2018
Henson, Lisa Kay	LVN 133398	Warning with Stipulations and Fine	May 8, 2018
Hernandez, Martha Alicia	RN 903513 & LVN 309537	Remedial Education with Fine	July 16, 2018
Herrera, Maria Magdalena	RN 582827 & LVN 92846	Voluntary Surrender	July 16, 2018
Holdren, Stephanie Delight Thompson	LVN 190611	Warning with Stipulations and Fine	July 19, 2018
Howard, Leah Rae	RN 779069 & LVN 157002	Warning with Stipulations	June 12, 2018
Hunley, Christy	RN 804198 & LVN 226710	Warning with Stipulations and Fine	July 19, 2018
Hunter, Kimberly Lynn	LVN 308293	Remedial Education, Deferred	July 9, 2018
Hurr, Jennifer Woodson	RN 662547	Reprimand with Stipulations	June 12, 2018
Ibarra, Sandra Ann	LVN 221797	Revoked	July 19, 2018
Ibe, Leticia O.	RN 811842	Suspend/Probate	June 12, 2018
Illeck, Christine Marie	PTP AZ RN RN075194	Warning with Stipulations	May 8, 2018
Iroegbu, Josephine Kechi	AP126534, RN 718599		
	& LVN 178559	Suspend/Probate	July 19, 2018
Isaacson, Julie K.	RN 695892	Suspend/Probate	June 12, 2018
Iwegbu, Tina Rosemarie	RN 779534	Remedial Education with Fine	July 30, 2018
Jackson, Janis L.	LVN 198404	Remedial Education, Deferred	July 12, 2018
Jackson, Misty Ann	RN 891600	Revoked	May 8, 2018
Jacobson, Debra Marie	LVN 302196	Voluntary Surrender	May 4, 2018
Jaiteh, Cassey Oden	RN 768320 & LVN 209030	Revoked	June 12, 2018
James, Brooke Holland	LVN 185635	Warning with Stipulations	July 19, 2018
Jamison, Glendora Bolar	RN 911572	Voluntary Surrender	June 25, 2018
Johnson, Debrisha	AP131816 & RN 905331	Remedial Education with Fine	May 16, 2018
Johnson, Gina L.	LVN 202741	Warning with Stipulations and Fine	May 8, 2018
Johnson, Lana Kay	RN 501897 & LVN 78310	Reprimand with Stipulations and Fine	June 12, 2018
Jones, Benajeane	LVN 97531	Reprimand with Stipulations and Fine	July 19, 2018
Jones, Verna Mae	AP118169 & RX 8390	Voluntary Surrender	May 8, 2018
Jones, Verna Mae	RN 554838 & LVN 26756	Suspend/Probate	May 8, 2018
Jowojori, Omolara Oluwabukola	RN 876035	Warning with Stipulations	July 19, 2018
Kanu, Laura N.	RX 9321	Limited: No Contolled Substances	May 8, 2018
Kanu, Laura N.	AP117925 & RN 595403	Suspend/Probate	May 8, 2018
Kelly, Mitchell Grayson	RN 775225	Remedial Education with Fine, Deferred	July 31, 2018
Kendall, Shelly Anne	RN 786922	Fine	June 12, 2018
Kennedy, Megan Elaine	LVN 312937	Remedial Education, Deferred	June 29, 2018
Khaled, Noor	RN 858947 & LVN 317653	Reprimand with Stipulations	June 12, 2018
King, Sally Ann	RN 558840 & LVN 88886	Voluntary Surrender	July 17, 2018
Kline, Jennifer Anne	RN 829594	Warning with Stipulations	June 12, 2018
Kosatka, Kimberly Kay	AP114007 & RN 679390	Remedial Education with Fine	June 6, 2018
Kurtz, Kolbee Rhae	LVN 196361	Warning with Stipulations and Fine	July 19, 2018
Lanford, Deirdre Roxanne	RN 554927 & LVN 90402	Enforced Suspension	June 21, 2018
Lawless, Jessica Lynn	LVN 328067	Warning with Stipulations and Fine	July 19, 2018
Ledbetter, Sauti Johari	RN 803454	Warning with Stipulations	July 19, 2018

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Name	License Numbers	Discipline	Action Date
Lee, Nicole Dawn	LVN 300065	Warning with Stipulations	July 19, 2018
Lee, Wendy A.	LVN 107762	Warning with Stipulations and Fine	May 8, 2018
Lemons, Khila M.	RN 630777	Reprimand with Stipulations and Fine	July 19, 2018
Lewis, April Monique	RN 775109	Revoked	June 12, 2018
Lowe, Kimberly Denise	LVN 206156	Suspend/Probate	July 19, 2018
Lozano, Brandy Lynn	LVN 154027	Voluntary Surrender	June 25, 2018
Lyseight-Pennon, Cynthia Anna Maria	RN 238000	Reprimand with Stipulations	July 19, 2018
Madrigal, Kenneth Wayne	LVN 216214	Revoked	June 12, 2018
Manley, Kristin Alexandra	LVN 329926	Warning with Stipulations	May 8, 2018
Mann, Carol Jane	LVN 79482	Voluntary Surrender	June 6, 2018
Marquez, Elena Louise	RN 812978 & LVN 224218	Warning with Stipulations	July 19, 2018
Martinez, Mona Lisa	LVN 169659	Warning with Stipulations	July 19, 2018
Masih, Shashi	RN 626212 & LVN 156261	Reprimand with Stipulations and Fine	May 8, 2018
Mason, Summer Dawn	LVN 191089	Suspend/Probate	May 8, 2018
McClelland, Brett Kindell	RN 895902	Revoked	June 12, 2018
McCoy, Haley Danielle (Taylor)	RN 891526	Warning with Stipulations	May 8, 2018
McCreery, Rebecca Leeann	LVN 231552	Warning with Stipulations	June 12, 2018
McGrady, Leah	PTP TN PN 84378	Warning with Stipulations	June 12, 2018
McGrew, Nathanael Shay	AP126769, RX 16796		
	& RN 795830	Revoked	July 19, 2018
McLemore, Cristina Marie	RN 885765	Revoked	June 12, 2018
Meadows, Molly Dawn	LVN 229475	Suspend/Probate	July 19, 2018
Medina, San Juanita	LVN 331517	Remedial Education	May 22, 2018
Miller, Samantha Wells	RN 828423	Remedial Education	June 8, 2018
Miller, Vivian Kaye	RN 583646	Warning with Stipulations and Fine	May 8, 2018
Mireles, Kathy	RN 905181	Revoked	May 8, 2018
Moreau, Christie Dedon	AP121534 & RN 814551	Voluntary Surrender	May 31, 2018
Moreno, Jessica Danielle	RN 893224	Reprimand with Stipulations	July 19, 2018
Moril, Bernadette	LVN 328805	Warning with Stipulations	June 12, 2018
Morris, Penny Renee	RN 749050	Revoked	May 8, 2018
Mortensen, Kacey Shaun	LVN 225334	Revoked	June 12, 2018
Muhle, Cindy	RN 657371 & LVN 128114	Revoked	June 12, 2018
Mukanzubaha, Martine	LVN 308269	Warning with Stipulations, Deferred	May 8, 2018
Mvoyi, Chinyavu Valda	RN 685818	Voluntary Surrender	July 16, 2018
Mynatt, Adrienne Lynette	AP114345 & RN 720296	Warning with Stipulations and Fine	July 19, 2018
Natividad, Nicolas Adrian	RN 834096	Voluntary Surrender	July 16, 2018
Neal, Virginia Ann	RX 1887	Limited: No Contolled Substances	July 19, 2018
Neal, Virginia Ann	AP105365 & RN 507763	Suspend/Probate	July 19, 2018

Name	License Numbers	Discipline	Action Date
Neville, Ashley Noel	LVN 330462	Remedial Education with Fine	June 22, 2018
Newby, Tammy Gay	LVN 134782	Warning with Stipulations and Fine	June 12, 2018
Nnaji, Catherine	RN 658218	Suspend/Probate	June 12, 2018
Nolen, Myriam Paule	LVN 129728	Voluntary Surrender	May 25, 2018
Nsobundu, Chudy Joe	RN 728959	Voluntary Surrender	May 25, 2018
Nwachukwu, Adline Nwakaego	RN 854162	Warning with Stipulations	June 12, 2018
Nwokorie, Timothy Okechukwu	LVN 198685	Revoked	July 20, 2018
Nyasende, Joel Oirere	LVN 306308	Warning with Stipulations and Fine	July 19, 2018
Obasi, Chichetam Evan	LVN 214001	Warning with Stipulations	May 8, 2018
O'Bryan, Linda M. Gelvin	RN 231401	Warning with Stipulations and Fine	May 8, 2018
Ogbonnaya, Hannah Uzoma	RN 553714	Enforced Suspension	July 19, 2018
O'Grady, Katrina Marie	RN 733108	Voluntary Surrender	July 20, 2018
Olivas, Andrea Jahn	RN 607603	Voluntary Surrender	May 18, 2018
Olson, James Lee	LVN 336086	Revoked	June 12, 2018
Onu, Zita Chioma	RN 672825	Warning with Stipulations and Fine	May 8, 2018
Ortiz, Imelda	LVN 189440	Suspend/Probate	May 8, 2018
Ortiz, Norma T.	LVN 155202	Warning with Stipulations	June 12, 2018
Owen, Crystal Lynn	LVN 166916	Warning with Stipulations and Fine	May 8, 2018
Packard, Zara Devon	LVN 335422	Warning with Stipulations	July 19, 2018
Parayno, John Lacambra	RN 904172	Reprimand with Stipulations	May 8, 2018
Pasquale, Thomas Edward	RN 761097 & LVN 157837	Remedial Education	July 16, 2018
Payuyo, Gracita Manuel	RN 867012	Remedial Education	June 6, 2018
Peckinpaugh, Brian Keith	RN 613336	Revoked	May 8, 2018
Perez, Melissa Marie	RN 563864 & LVN 118903	Warning with Stipulations	July 19, 2018
Peurifoy, Derek Lane	LVN 304456	Warning with Stipulations	June 12, 2018
Pickens, Michael Scott	PTP MS RN 888674	Warning with Stipulations	May 8, 2018
Pohlenz, Cynthia Dianne	LVN 160344	Remedial Education, Deferred	July 11, 2018
Powers, James Edward	LVN 207868	Voluntary Surrender	July 20, 2018
Pruiett, Misty Leeanne	RN 692963	Revoked	May 8, 2018
Pruitt, Joni Nichole	RN 823337	Voluntary Surrender	July 6, 2018
Puesta, Frances Anne Garces	RN 906359	Remedial Education, Deferred	July 17, 2018
Purpura, Lisa Ann	RN 678873 & LVN 176553	Warning with Stipulations and Fine	July 19, 2018
Ramos, Daniel Rene	LVN 308842	Warning with Stipulations	May 8, 2018
Ramos-Green, Elizabeth B.	RN 517923	Warning with Stipulations	July 19, 2018
Rape, Randi Lachelle	LVN 208104	Warning with Stipulations	July 19, 2018
Reeves, Matthew Clinton	RN 858104	Revoked	May 8, 2018
Rendon, Saundra Kay	LVN 165365	Remedial Education, Deferred	July 25, 2018
Reyna, Javier Gabriel	AP118964 & RN 665900	Reprimand with Stipulations	June 12, 2018

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DISCIPLINARY ACTION - continued from previous page

Name	License Numbers	Discipline	Action Date
Richard, Charline Sheena Ladon	RN 902306	Reprimand with Stipulations	June 12, 2018
Ripley, Janice Carlene	RN 234633	Voluntary Surrender	May 17, 2018
Robertson, Crisinda Michelle	LVN 174621	Warning with Stipulations and Fine	July 19, 2018
Robertson, Donna Jean	RN 813520	Warning with Stipulations and Fine	June 12, 2018
Robinson, Tokina Roshell	LVN 323369	Warning with Stipulations and Fine	May 8, 2018
Rodas, Marilyn Jasmine	RN 780588	Warning with Stipulations	May 8, 2018
Rodriguez, David Herrera	RN 879487 & LVN 173272	Revoked	July 19, 2018
Rodriguez, Ricardo Adrian	RN 755035	Warning with Stipulations	June 12, 2018
Romero, Evelyn Susana	LVN 320871	Remedial Education with Fine	May 22, 2018
Rosato, Barbara Freeman	RN 663522 & LVN 67896	Warning with Stipulations	May 8, 2018
Roseman, Kari Jo	LVN 310546	Warning with Stipulations and Fine	July 19, 2018
Rowe, Kelli Ann	LVN 98848	Warning with Stipulations	May 8, 2018
Roy, Marsha Coritha	LVN 210467	Warning with Stipulations	June 12, 2018
Russell, Kimberly Ann	AP110407 & RN 668849	Warning with Stipulations and Fine	July 19, 2018
Salazar, Michelle Marie (Mungia)	LVN 202759	Warning with Stipulations and Fine	June 12, 2018
Sands, Jennifer Lynette	RN 739477	Warning with Stipulations	June 12, 2018
Santos-Martinez, Nydia	RN 738752	Warning with Stipulations	July 19, 2018
Sheng, Joseph	RN 826242	Reprimand with Stipulations	May 8, 2018
Shepherd, Brian Scott	RN 721851	Revoked	May 8, 2018
Sherrod, Nicholas Mcintire	RN 809859	Enforced Suspension	July 19, 2018
Shortnacy, Leslie Deanne	RN 710563	Voluntary Surrender	April 23, 2018
Siegfried, Shelly Jonelle	LVN 146273	Revoked	May 8, 2018
Sifuentes, Damaris	RN 821867	Warning with Stipulations, Deferred	June 12, 2018
Sims, Brittany Le	RN 834014	Suspend/Probate	July 19, 2018
Skinner, Joyce Ann	RN 596905	Reprimand with Stipulations	May 8, 2018
Slaughter, Tanya Elizabeth	LVN 308618	Warning with Stipulations and Fine	May 8, 2018
Smith, Kimberly Lea	LVN 326377	Warning with Stipulations	June 12, 2018
Smullen, Kristen N.	LVN 223744	Revoked	July 19, 2018
Solano, Roxanna Monique	LVN 313732	Remedial Education	May 15, 2018
Solis, Soila Linda	RN 741216 & LVN 194786	Remedial Education	June 8, 2018
Sone, Martin Njume	RN 842285	Warning with Stipulations	May 8, 2018
Starr, Laura Ann	RN 745015	Warning with Stipulations	May 8, 2018
Stephens, Nickesha Tamara	RN 799055	Suspend/Probate	July 19, 2018
Stephens, Santita Ladawn	RN 761004	Reprimand with Stipulations	July 19, 2018
Stephenson, Melissa Cassandra	RN 793349	Reprimand with Stipulations	July 19, 2018
Strban, Christina Renee	LVN 194603	Suspend/Probate	May 8, 2018
Stuckart, Kerry Song	PTP SC RN 190656	Revoked	June 12, 2018
Swanson, Stephanie Lee	AP135304 & RN 929625	Warning with Stipulations and Fine	July 19, 2018
Taylor, Jeffrey James	RN 873768 & LVN 203593	Revoked	June 12, 2018
Teeters, Kimberly Dawn	RN 837249 & LVN 307740	Warning with Stipulations and Fine	June 12, 2018
Torres, Victor	LVN 311605	Voluntary Surrender	June 29, 2018
Trevino-Adams, Pauline Ana	LVN 327001	Warning with Stipulations	May 8, 2018
Turner, Angelia M.	RN 643827	Voluntary Surrender	June 21, 2018
Turner, Jonathan Edward	RN 819367	Remedial Education with Fine	July 12, 2018
Turner, Yvette Okala	LVN 325159	Revoked	June 12, 2018
Vega, Laura Olivia	RN 791259	Warning with Stipulations	May 8, 2018
Vela, Cristina Clarissa	RN 720051	Voluntary Surrender	July 19, 2018
Villalobos, Ashley Annette	LVN 231012	Warning with Stipulations and Fine	May 8, 2018
Vine, Daniel Patrick	LVN 209157	Voluntary Surrender	May 8, 2018
Walker, Timothy William	RN 883755 & LVN 308999	Warning with Stipulations and Fine	June 12, 2018
Walton, Donna A.	RN 501733	Limited License	July 19, 2018
Warntjes, Melissa Sue	RN 750843	Voluntary Surrender	May 10, 2018
Watts, Sonya	RN 629765	Reprimand with Stipulations	May 8, 2018
Wenger, Kelly Burrows	AP118431, RN 709977 & LVN 172989	Warning with Stipulations	July 19, 2018
Whatley, Lacey Dawn	LVN 232403	Revoked	May 8, 2018
Williams, Casey Annette	RN 776715	Voluntary Surrender	June 5, 2018
Williams, Gia Marie	AP120099 & RN 826288	Remedial Education, Deferred	June 27, 2018
Williams, Yvonne	RN 696571 & LVN 186347	Warning with Stipulations	July 19, 2018
Willoughby, Melodie Paige	RN 924799	Suspend/Probate	June 12, 2018
Wilson, Mahogany Antwanett	LVN 304590	Revoked	July 19, 2018
Yager, Jennifer Lauren	RN 880236 & LVN 223371	Warning with Stipulations	June 12, 2018
Zakazakina, Avalon Santana	RN 759268	Warning with Stipulations, Deferred	May 8, 2018

Abbreviations in the Notice of Disciplinary Action Section

PTP	Privilege to Practice in Texas, also known as Nurse Licensure Compact Privilege, associated with the indicated state and license. States are abbreviated using the official two letter state abbreviations of the United States Postal System.
RX	Prescription Authorization

Statistical Information

The 277 disciplinary actions reported in this bulletin represent only 0.068% of all nurses who are currently licensed to practice in the State of Texas. For the statistical reporting period ending July 2018, 99.56% of Registered Nurses and 99.10% of Vocational Nurses were without recent discipline according to Board records.

IMPOSTER WARNING

If you have any knowledge or information regarding the employment practices of the following individuals, please contact the Board's Enforcement Division immediately at (512) 305-6838.

Antoinette Sue Baudry

On or about August 19, 2014 through February 2018, Antoinette Sue Baudry obtained employment with an orthopedic clinic in Houston, Texas. Ms. Baudry represented herself as a licensed vocational nurse (LVN), and used "LVN" credentials when she does not hold a license to practice nursing in the State of Texas. The case was referred to the Harris County District Attorney's Office.

Kristi Jones-Granito

a.k.a. Kristi Lynn-Ann Granito; a.k.a. Kristi Jones; a.k.a. Kristi Granito

On or about April 5, through May 16, 2018, Kristi Jones-Granito secured employment and fraudulently worked as a registered nurse (RN) at a correctional facility in Wichita Falls, Texas, by using the RN licensure information of a nurse having the same name and submitting a resume which falsely indicated she had a license to practice professional registered nursing in the State of Texas. The Board's investigation revealed that the date of birth, social security number, and address provided by Kristi Jones-Granito to the facility did not belong to any nurse having a license or privilege to practice nursing in the State of Texas. The case has been referred to the Office of the Wichita County District Attorney for prosecution.

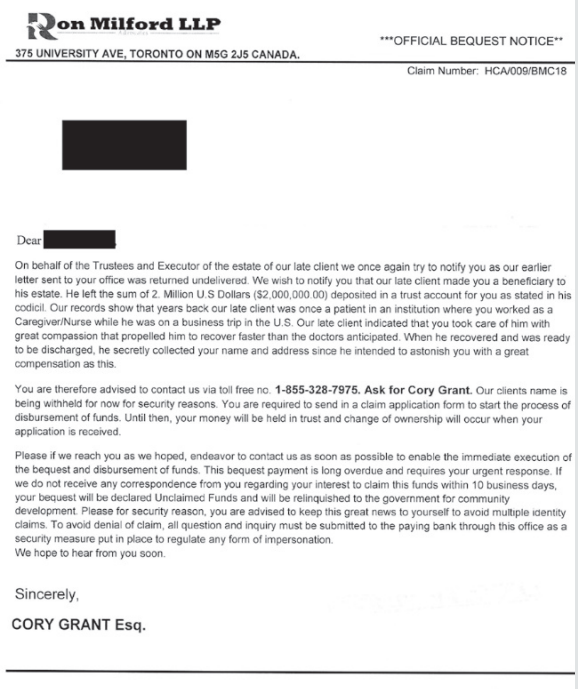
Kimyaida Hamilton-Rollins

a.k.a. Kimyaida Hamilton; a.k.a. Kimyaida Rollins; a.k.a. Kimyaida Evon Rollins; a.k.a. Kimyaida Evon Hamilton

On or about August 30, 2017 through January 5, 2018, Kimyaida Hamilton-Rollins secured employment and worked as a Graduate Vocational Nurse (GVN) at a nursing home in Benbrook, Texas. Kimyaida Hamilton-Rollins was also the staffing coordinator during the same time period. The Board's investigation revealed that Kimyaida Hamilton-Rollins received a certificate in nursing from Fortis College, Grand Prairie, Texas, but was never issued a temporary permit to work as a GVN by the Texas Board of Nursing. The case has been referred to the Office of the Tarrant County District Attorney for prosecution.

Fraud Alert Warning – Official Bequest Notice from Ron Milford, LLP

The Texas Board of Nursing wants to warn nurses about a new mail scam which targets nurses. A letter, sent by a fictitious law firm in Toronto, states that the nurse was bequeathed $2,000,000.00 by a patient that the nurse cared for who passed away. The sender of the letter asks the recipient to contact them by telephone and ask for Cory Grant. The scammers are also operating a bogus website for the law firm to corroborate the scam. If you receive one of these letters, do not contact them by phone or go to the bogus website, which seeks personal information from the individual, a practice known as phishing. BON staff were alerted to this scam by the Office for Consumer Protection of the Texas Attorney General's Office.



Ron Milford LLP

375 UNIVERSITY AVE, TORONTO ON M5G 2J5 CANADA.

***OFFICIAL BEQUEST NOTICE**

Claim Number: HCA/009/BMC18

[redacted]

Dear [redacted]

On behalf of the Trustees and Executor of the estate of our late client we once again try to notify you as our earlier letter sent to your office was returned undelivered. We wish to notify you that our late client made you a beneficiary to his estate. He left the sum of 2. Million U.S Dollars ($2,000,000.00) deposited in a trust account for you as stated in his codicil. Our records show that years back our late client was once a patient in an institution where you worked as a Caregiver/Nurse while he was on a business trip in the U.S. Our late client indicated that you took care of him with great compassion that propelled him to recover faster than the doctors anticipated. When he recovered and was ready to be discharged, he secretly collected your name and address since he intended to astonish you with a great compensation as this.

You are therefore advised to contact us via toll free no. **1-855-328-7975. Ask for Cory Grant.** Our clients name is being withheld for now for security reasons. You are required to send in a claim application form to start the process of disbursement of funds. Until then, your money will be held in trust and change of ownership will occur when your application is received.

Please if we reach you as we hoped, endeavor to contact us as soon as possible to enable the immediate execution of the bequest and disbursement of funds. This bequest payment is long overdue and requires your urgent response. If we do not receive any correspondence from you regarding your interest to claim this funds within 10 business days, your bequest will be declared Unclaimed Funds and will be relinquished to the government for community development. Please for security reason, you are advised to keep this great news to yourself to avoid multiple identity claims. To avoid denial of claim, all question and inquiry must be submitted to the paying bank through this office as a security measure put in place to regulate any form of impersonation.
We hope to hear from you soon.

Sincerely,

CORY GRANT Esq.

Texas Peer Assistance Program for Nurses (TPAPN)

The mission of the Texas Board of Nursing (BON) centers on patient safety and the competence of each licensed nurse to practice safely. Substance use and mental health conditions can negatively impact the ability of a nurse to practice safely. Peer assistance programs can assist nurses with such conditions to achieve, demonstrate, and maintain safe practice.

The Texas Peer Assistance Program for Nurses (TPAPN) is the peer assistance program that has been approved by the BON. TPAPN provides individualized guidance, support, and monitoring for participants. TPAPN volunteer nurse advocates provide recovery support to individual nurse participants.

Twice a year, TPAPN provides an educational workshop for volunteer nurse advocates. This year, TPAPN is pleased to announce its partnership with the Substance Abuse and Mental Health Services Administration and their consultants from the Center for Social Innovation. The Center promotes evidence-based practices on peer support. Workshop content will include:

- Recovery from mental illness and/or substance use disorders-including a focus on multiple pathways of recovery and recovery support and networks
- Principles of peer support-including principles of self-determination, strengths-based, trauma-informed, and holistic approaches
- Practices of peer support-including motivational strategies, varieties of support, linking to services, supports, and networks

If you are a volunteer nurse advocate, don't miss this special opportunity! If you are interested in becoming a volunteer nurse advocate, please visit the TPAPN website and complete an application.

Fall 2018 TPAPN Nurse Advocate Workshop:
November 9 and 10, 2018
DoubleTree by Hilton Austin Northwest - Arboretum
8901 Business Park Dr., Austin, TX 78759

The workshop will be led by Cheryl Gagne, Sc.D., Senior Associate and Peer Support Expert at the Center for Social Innovation (C4) (**www.center4si.com**). To register visit **www.tpapn.org**. There is no registration fee for nurse peer advocates.

Guidelines - cont. from pg. 2

- Federation of State Medical Boards (FSBM) Guidelines for the Chronic Use of Opioids, available at: **www.ncsbn.org/2017_FSMB_Guidelines.pdf**
- Drug Enforcement Administration's Electronic Prescriptions for Controlled Substances, available at: **www.deadiversion.usdoj.gov/ecomm/e_rx/faq/pharmacies.htm**
- Center for Medicare and Medicaid Services: What is a Prescriber's Role in Preventing the Diversion of Prescription Drugs? Available at: **www.cms.gov/medicare-medicaid-coordination/fraud-prevention/medicaid-integrity-education/provider-education-toolkits/downloads/prescriber-role-drugdiversion.pdf**

Cosmetic Procedures - cont. from pg. 5

Food for Thought

It is important to remember that there is more to this topic than simply learning how to perform a particular procedure. Patient selection criteria, underlying physiology and/or pathophysiology, as well as indications for and contraindications to the procedure are among the many concepts that are fundamental to learning a new procedure. You must also learn to respond to and manage (as appropriate) untoward events/adverse reactions/complications that may occur as a result of the procedure. In many cases, on-the-job training will not include this type of content. If you are ever required to defend your practice for any reason (whether to the BON or any other entity), you will likely be required to provide evidence of education/training and documentation of competence related to the specific service you provided.

To view the scope of practice regarding LVNs, RNs, and APRNs, please go to: **www.bon.texas.gov**, click on the FAQ link, then select Nursing Practice. Additionally, the RN scope of practice will be included in the January *Bulletin*.

Sickle Cell Disease Awareness:
Are You at Risk?

What is Sickle Cell Disease?

According to the American Society of Hematology (ASH) (2018), Sickle Cell Disease (SCD) is the most common inherited blood disorder worldwide affecting more than 100,000 Americans, while one to three million Americans carry Sickle Cell Trait (SCT). Each individual possesses two hemoglobin genes, one from each parent. To have SCD means that a person has inherited two sickle cell genes, one from each parent. For an individual to have SCT, only one gene from one parent is passed on to a child. SCT is not a disease and individuals with SCT may be called carriers of the sickle cell gene.

Hemoglobin, found inside red blood cells, carries oxygen throughout the body. However, in SCD, red blood cells become abnormally shaped and cannot move easily through the blood vessels. A sickled hemoglobin cell, is "c" shaped, may become stuck inside blood vessels, blocking blood flow and causing damage to the body's normal cells and tissues. Because of this, patients with SCD develop serious health complications such as pain, infections, or worse, stroke or organ damage, just to name a few.

Why should nurses be aware of Sickle Cell Disease?

In young children, SCD is associated with increased multisystem morbidity (Quinn, Rogers, McCavit, & Buchanan, 2010). Quinn et al. (2010) noted a recent dramatic improvement in the survival rate of young children with SCD. This is thought to be related to early identification of disease on newborn screening and preventative therapies such as prophylactic penicillin and successful vaccination against *Streptococcus pneumonia, Meningococcal* and *Haemophillus influenza* type b. While it appears that mortality rates have decreased in younger children, the survival rate for young adults has shifted. Quinn et al. (2010) identified a higher risk of mortality in patients who are transitioning from pediatric medical care to adult medical care, thus, making them extremely vulnerable. There are many factors that may contribute to the increase of vulnerability of these patients. Crosby, Quinn and Kalinyak (2015) stated that there is an increased probability of chronic organ damage and a lack of comprehensive care programs in place for these adolescent/young adults. Care of the transitioning SCD patient is frequently left up to the primary care provider who may not possess the same expertise as a pediatric hematologist. As this population continues to age and transition, more awareness and education are needed for health care providers, caregivers, and patients.

The Impact of Sickle Cells Disease on Texans

Through state newborn screening programs, all newborns in the United States are screened for SCT and SCD (ASH, 2018). How many children are diagnosed with SCD or SCT in Texas? According to the Texas Department of State Health Services (DSHS) Newborn Screening Program, approximately 180 children are diagnosed with SCD and over 5,000 children are found to carry SCT annually in the State of Texas.

In 2016, DSHS appointed members to the Sickle Cell Advisory Committee, as required by 25 Texas Administrative Code §37.420. Their focus was to examine strategies for, and formulate recommendations to heighten public awareness of SCT and SCD. Through their work they recognized the need for educational materials (both in English and in Spanish) to provide resources not only for health care professionals, but also for patients and the public. In addition to the identified areas of need, the committee initiated and/or completed such tasks as creating a Sickle Cell Resources webpage, updating the DSHS website for Newborn Screening and identifying the potential for further online training via the Texas Health Steps Sickle Cell Disease and Trait online course (Department of State Health Services Sickle Cell Advisory Committee, 2017).

DSHS has a wealth of information for providers, patients, and their families on their website. Efforts put forth by this committee can be viewed on DSHS' website at: **http://www.dshs.texas.gov/newborn/SCResources.aspx**

In addition, Texas Health Steps also has a **FREE** online CE course available to healthcare professionals entitled, *Sickle Cell Disease and Trait*, accessible at: **https://www.txhealthsteps.com/365-sickle-cell-disease-and-trait**

References

American Society of Hematology. (2018). Sickle cell disease. Retrieved from: **http://www.hematology.org/Patients/Anemia/Sickle-Cell.aspx**

continued on next page

Opioid Crisis Update

Research Plan Announced to Help Solve Opioid Crisis

The National Institute on Drug Abuse (NIDA) recently announced The Helping to End Addiction Long-term (HEAL) Initiative, a research plan aimed at finding solutions to the opioid crisis. As part of the initiative, several projects were announced that focus on two main areas – improving opioid addiction treatments and enhancing pain management to prevent addiction and overdose. The Focused Opioid Use Disorder Medications Development Research Project will focus on developing new addiction treatments and overdose-reversal tools. The project will consist of a series of high-impact studies with the goal of developing 15 investigational new drugs, which would then produce approximately five new drug applications to submit to the Food and Drug Administration. For more information, go to: **https://www.drugabuse.gov/drugs…/opioids/nih-heal-initiative**

First Medication to Reduce Opioid Withdrawal Symptoms Approved

The Federal Drug Administration recently approved lofexidine, the first medication for use in reducing symptoms associated with opioid withdrawal in adults. Lofexidine, which will be marketed under the brand name Lucemyra, comes in oral tablet form and is designed to manage symptoms often experienced during opioid withdrawal, including aches and pains, muscle spasms/twitching, stomach cramps, muscular tension, heart pounding, insomnia/problems sleeping, feelings of coldness, runny eyes, yawning, and feeling sick, among others.

Lucemyra is expected to be available to patients in the U.S. in August 2018. Resources on opioid prescribing, opioid addiction, and overdose prescribing are available in NCSBN's Opioid Toolkit.

Texas Center for Nursing Workforce Studies Provides Data Resources Relating to the Nurse Shortage in Texas

In response to mounting concern about Texas' nurse shortage, the Texas Legislature created The **Texas Center for Nursing Workforce Studies (TCNWS)** under the governance of the Statewide Health Coordinating Council (SHCC). The TCNWS serves as a resource for data and research on the nursing workforce in Texas. This includes collecting and analyzing data on nurses in Texas in regard to:

- Educational and employment trends
- Supply and demand trends
- Nursing workforce demographics
- Migration of nurses

Texas' progress towards 2010 Institute of Medicine recommendations for the nursing workforce is summarized in: The Future of Nursing in Texas: Progress on the Campaign for Action's Dashboard Indicators, an interactive report which looks at indicators including: education, doctoral degrees, the practice environment, interprofessional collaboration, leadership, workforce data, and diversity including race, ethnicity, and gender.

To view publications, including *Nursing Education Reports* published by the TCNWS, please visit: **https://www.dshs.texas.gov/chs/cnws/Npublica.shtm**

Email: **TCNWS@dshs.texas.gov**
Phone: (512) 776-6723

Sickle Cell - continued from previous page

Crosby, L.E., Quinn, C.T., & Kalinyak, K.A. (2015). A biopsychosocial model for the management of patients with Sickle-Cell Disease transitioning to adult medical care. *Advances in Therapy, 32*(4), *293-305.* doi: 10.1007/s12325-015-0197-1

Department of State Health Services Sickle Cell Advisory Committee. (2017). *Sickle Cell Advisory Committee Report*. Retrieved from: **http://www.dshs.texas.gov/test/pdf/Sickle-Cell-Advisory-Committee-Report.doc**

Quinn, C.T., Rogers, Z.R., McCavit, T.L., & Buchanan, G.R. (2010). Improved survival of children and adolescents with sickle cell disease. *Blood Journal*, *115*(17), 3447-3452. doi: 10.1182/blood-2009-07-233700