UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933



ASSURE HOLDINGS CORP.

	(Exact Name of Registrar	at as Specified in its Charter)	
Nevada			882-2726719
(State or other jurisdiction of incorporation or organization)			(I.R.S. Employer Identification No.)
	Greenwood Villa	w Avenue, Suite 500 ge, Colorado 80111 (720) 287-3093	
		ode, and telephone number, principal executive offices)	
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		p code, and telephone number,	
	including area code	e, of agent for service)	
	Сор	ies to:	
	Dorsey & V 1400 Wewatta Denver, Co Telephone:	renkert, Esq. Whitney LLP Street, Suite 400 dorado 80202 (303) 352-1133 (303) 629-3450	
F		ve date of this registration statem	ent
	(Approximate date of commend	cement of proposed sale to public)	
If the only securities being registered on this Form as	re being offered pursuant to divide	nd or interest reinvestment plans, pl	lease check the following box□
If any of the securities being registered on this For securities offered only in connection with dividend of			ule 415 under the Securities Act of 1933, other than
If this Form is filed to register additional securities registration statement number of the earlier effective			se check the following box and list the Securities Act
If this Form is a post-effective amendment filed punumber of the earlier effective registration statement	. /	ecurities Act, check the following	box and list the Securities Act registration statement
If this Form is a registration statement pursuant to C pursuant to Rule 462(e) under the Securities Act, che		ffective amendment thereto that sha	all become effective upon filing with the Commission
If this Form is a post-effective amendment to a reg securities pursuant to Rule 413(b) under the Securities			register additional securities or additional classes of
			smaller reporting company, or an emerging growth growth company" in Rule 12b-2 of the Exchange Act.
Large accelerated filer Non-accelerated filer		Accelerated filer Smaller reporting company Emerging Growth Company	
If an emerging growth company, indicate by check accounting standards provided pursuant to Section 7		ot to use the extended transition pe	eriod for complying with any new or revised financial

The information in this prospectus is not complete and may be changed. Assure Holdings Corp. may not sell the securities until the Registration Statement filed with the Securities and Exchange Commission, of which this prospectus is a part, is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Subject to Completion: Dated August 9, 2022

PRELIMINARY PROSPECTUS



ASSURE HOLDINGS CORP.

\$100,000,000 Shares of Common Stock Warrants Units

Assure Holdings Corp. (the "Company") may offer and sell, from time to time, up to [\$100,000,000] aggregate initial offering price of shares of common stock, par value \$0.001, in the capital of the Company, (which we refer to herein as "Common Stock"), warrants to purchase shares of Common Stock (which we refer to herein as "Warrants") or any combination thereof (which we refer to herein as "Units") in one or more transactions under this base prospectus (which we refer to herein as the "prospectus"). This prospectus also covers (i) Common Stock that may be issued upon exercise of Warrants and (ii) such indeterminate amount of securities as may be issued in exchange for the securities registered hereunder, including, in each case, an indeterminate number of Common Stock that may be issued pursuant to anti-dilution or adjustment provisions in Warrants issuable hereunder.

This prospectus provides you with a general description of the securities that we may offer. Each time we offer securities, we will provide you with a prospectus supplement (which we refer to herein as the "prospectus supplement") that describes specific information about the particular securities being offered and may add, update or change information contained in this prospectus. You should read both this prospectus and the prospectus supplement, together with any additional information which is incorporated by reference into this prospectus. This prospectus may not be used to offer or sell securities without the prospectus supplement which includes a description of the method and terms of that offering.

We may sell the securities on a continuous or delayed basis to or through underwriters, dealers or agents or directly to purchasers. The prospectus supplement, which we will provide to you each time we offer securities, will set forth the names of any underwriters, dealers or agents involved in the sale of the securities, and any applicable fee, commission or discount arrangements with them. For additional information on the methods of sale, you should refer to the section entitled "Plan of Distribution" in this prospectus.

Our Common Stock trades on the NASDAQ Capital Market (the "NASDAQ") under the symbol "IONM". On August 5, 2022, the last reported sale price of the Common Stock on the Nasdaq was \$2.54 per share. There is currently no market through which the securities, other than the Common Stock, may be sold and purchasers may not be able to resell the securities purchased under this prospectus. This may affect the pricing of the securities, other than the Common Stock, in the secondary market, the transparency and availability of trading prices, the liquidity of these Securities and the extent of issuer regulation. See "Risk Factors".

As of August 5, 2022, the aggregate market value of our outstanding common shares held by non-affiliates, or the public float, was \$21,569,070, based on 12,919,666 common shares outstanding, of which 8,491,760 shares were held by non-affiliates, and a price of \$2.54 per share, which was the last reported sale price of our common shares on the Nasdaq Capital Market on August 5, 2022. Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell shares pursuant to this prospectus with a value of more than one-third of the aggregate market value of our common shares held by non-affiliates in any 12-month period, so long as the aggregate market value of our common shares held by non-affiliates is less than \$75,000,000. During the 12 calendar months prior to, and including, the date of this prospectus, we have not sold securities pursuant to General Instruction I.B.6 of Form S-3.

Investing in the securities involves risks. See "Risk Factors" on page 9.

These Securities have not been approved or disapproved by the U.S. Securities and Exchange Commission ("SEC") or any state securities commission nor has the SEC or any state securities commission passed upon the accuracy or adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

PROSPECTUS DATED , 2022

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ABOUT THIS PROSPECTUS

This prospectus is a part of a registration statement that we filed with the SEC utilizing a "shelf" registration process. Under this shelf registration process, we may sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of initial aggregate offering price of \$100,000,000. This prospectus provides you with a general description of the securities that we may offer. The specific terms of the securities in respect of which this prospectus is being delivered will be set forth in a prospectus supplement and may include, where applicable: (i) in the case of Common Stock, the number of shares of Common Stock offered, the offering price and any other specific terms of the offering; (ii) in the case of Warrants, the designation, number and terms of the Common Stock purchasable upon exercise of the Warrants, any procedures that will result in the adjustment of those numbers, the exercise price, dates and periods of exercise, and the currency or the currency unit in which the exercise price must be paid and any other specific terms; and (iii) in the case of Units, the designation, number and terms of the Common Stock and Warrants comprising the Units. A prospectus supplement may include specific variable terms pertaining to the securities that are not within the alternatives and parameters set forth in this prospectus.

In connection with any offering of the securities (unless otherwise specified in a prospectus supplement), the underwriters or agents may over-allot or effect transactions which stabilize or maintain the market price of the securities offered at a higher level than that which might exist in the open market. Such transactions, if commenced, may be interrupted or discontinued at any time. See "Plan of Distribution".

Please carefully read both this prospectus and any prospectus supplement together with the documents incorporated herein by reference under '<u>Documents Incorporated by Reference</u>' and the additional information described below under "<u>Where You Can Find More Information</u>".

Owning securities may subject you to tax consequences in the United States. This prospectus or any applicable prospectus supplement may not describe these tax consequences fully. You should read the tax discussion in any prospectus supplement with respect to a particular offering and consult your own tax advisor with respect to your own particular circumstances.

You should rely only on the information contained in this prospectus. We have not authorized anyone to provide you with information different from that contained in this prospectus. The distribution or possession of this prospectus in or from certain jurisdictions may be restricted by law. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted or where the person making the offer or sale is not qualified to do so or to any person to whom it is not permitted to make such offer or sale. The information contained in this prospectus is accurate only as of the date of this prospectus, regardless of the time of delivery of this prospectus or of any sale of the securities. Our business, financial condition, results of operations and prospects may have changed since that date.

References in this prospectus to "\$" are to United States dollars.

Unless otherwise indicated, any reference to Assure, or as "we", "us", or "our" refers to Assure Holdings Corp. and its consolidated subsidiaries ("Assure" or the "Company").

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SUMMARY

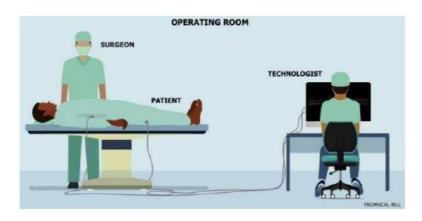
The following highlights certain information contained elsewhere in this prospectus. It does not contain all the details concerning the Offering, including information that may be important to you. You should carefully review this entire prospectus including the section entitled "Risk Factors" and the financial statement incorporated herein by reference. See "Documents Incorporated by Reference" and "Where You Can Find More Information."

Our Business

Overview

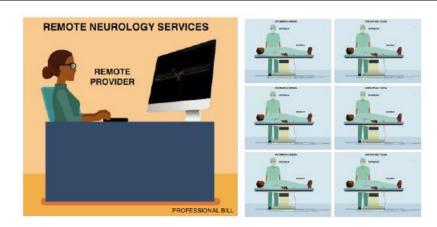
Assure is a best-in-class provider of outsourced Intraoperative Neurophysiological Monitoring ("IONM") and an emerging provider of remote neurology services. The Company delivers a turnkey suite of clinical and operational services to support surgeons and medical facilities during invasive procedures. IONM has been well established as a standard of care and risk mitigation tool for various surgical verticals such as neurosurgery, spine, cardiovascular, orthopedic, ear, nose, and throat ("ENT"), and other surgical procures that place the nervous system at risk. Accredited by The Joint Commission, Assure's mission is to provide exceptional surgical care and help make invasive surgeries safer. Our strategy focuses on utilizing best of class personnel and partners to deliver outcomes that are beneficial to all stakeholders including patients, surgeons, hospitals, insurers, and shareholders.

During each procedure, Assure provides two types of services, the Technical Component and Professional Component of IONM. Our in-house Interoperative Neurophysiologists ("INP") provide Technical Component IONM services from the operating room throughout the procedure, while the telehealth-oriented supervising practitioners provide a level of redundancy and risk mitigation in support of the onsite INPs and surgical team. In addition, Assure offers a comprehensive suite of IONM services, including scheduling the INP and supervising practitioner, real time monitoring, patient advocacy and subsequent billing and collecting for services provided.



Historically, the foundation of Assure's business has been providing the Technical Component of IONM via our INP staff. We employ highly trained INPs, which provide a direct point of contact in the operating room during the surgeries to relay critical information to the surgical team. In our one-to-one model, Assure pairs a surgeon with a team of INPs to promote a level of familiarity, comfort and efficiency between the surgeon and the INP. Each INP has the ability to handle approximately 200 cases annually. Our INPs monitor the surgical procedure using state of the art, commercially available, diagnostic medical equipment. Assure INP's are certified by a third-party accreditation agency. The success of our service depends upon the timely and successful interpretation of the data signals by our INPs and thereafter to quickly determine if there is a deficiency and the surgical intervention required to positively impact the patient and surgery. Employing this model, Assure has rapidly expanded its operational footprint from a home base in Colorado and increased its number of managed cases from approximately 1,600 in 2017 to approximately 17,400 in 2021.





Beginning in the second quarter of 2021, Assure began executing on its long-term vertical integration plan by expanding into remote neurology services. As a result, Assure began delivering remote neurology services in support of the surgical team and INPs rather than exclusively relying on third- party supervising practitioners as it had previously. Assure is transitioning the Professional Component of its IONM service offering. We currently have supervising practitioners employed and working with surgical teams and our INPs from remote locations. They are utilizing equipment and training to monitor electroencephalographic ("EEG") and electromyography ("EMG") and a number of complex modalities during surgical procedures to pre-emptively notify the underlying surgeon of any nerve related issues that are identified.

Remote neurology services is a one-to-many model, and as a result, has a different financial profile than the Technical Component. Supervising practitioners provide remote neurology services from an off-site location and maintain the ability to manage multiple cases simultaneously. As a result, each supervising practitioner has the ability to handle 2,500 or more cases annually. Patient volume for Assure supervising practitioners are plentiful as they are simply consuming the managed cases created by our INPs performing the Technical Component of IONM. In 2021, Assure performed 17,436 total managed cases including managing approximately 2,100 remote neurology cases. The number of remote neurology managed cases is expected to expand significantly as our supervising practitioners' ramp-up and more are added to the team.

Bringing the Professional Component of IONM in-house generates a number of positives for Assure. First, we will be able to oversee quality of service for providing remote neurology services. This commitment to quality supports our efforts to sign new in-network agreements with insurance payors and facility-wide agreements with hospitals. Second, by bringing the remote neurology function in-house, we are able to significantly reduce cost of delivery, allowing the Company to improve our profitability on every case we perform. Our objective is to cut the cost of delivery for remote neurology services by 50% going forward. Additional scale will serve as a catalyst for margin expansion in the future. Third, for most of the cases we perform, remote neurology services represent the creation of a new revenue stream. Fourth, providing remote neurology services for IONM creates opportunities in adjacent markets where similar remote neurology services are utilized. The shift to providing remote neurology ourselves was straightforward. We had already built the platform and maintained the patient volume. Insourcing this process is simply a matter of replacing contractors with Assure supervising practitioners to service this volume. The result will be higher margins, a new revenue stream and turning cash over more quickly.

Collectively, support from Assure's high quality Technical and Professional IONM services results in decreased hospital and surgeon liability, abbreviated patient stays, fewer readmissions, reduced hospital costs, enhanced overall patient satisfaction and the efficient achievement of better clinical outcomes.



Over the past two years Assure has built a platform to support our future growth and development across multiple verticals. The attributes of our platform detailed in the graphic above include: maintaining exceptional clinical operations, automating our revenue cycle management function and collecting cash faster, boosting managed care through the signing of in-network agreements with insurance payors, minimizing operational bottlenecks, particularly around onboarding and credentialing, instituting an ongoing training and development program for clinical staff to ensure we maintain industry-leading skills and performance, and successful execution on an M&A strategy in a highly fragmented market that has led to three accretive transactions over the past two years. This platform was built with the intent of having these key functional areas support IONM in our key surgical verticals including: spine, neurosurgery, vascular, ENT and orthopedic. As we transition to becoming a provider of remote neurology services, we believe our expertise in IONM will assist us in entering adjacent markets in which Assure supervising practitioners can also provide patient services. We expect to begin providing services in new verticals including EEG, epilepsy, sleep study and stroke by leveraging key competencies we have built over the past two years.

In 2021, Assure provided IONM services for approximately 258 surgeons in 150 hospitals and surgery centers (which we refer to as "Procedure Facilities") located in: Colorado, Texas, Louisiana, Pennsylvania, Michigan, South Carolina, Arizona, Kansas, Missouri, Nebraska, Nevada and Utah. Our continued organic geographic expansion initiatives, including facility-wide outsourcing agreements with medical facilities and hospital networks, potential for selective acquisitions, and the extension of our platform into remote neurology services, is expected to generate substantial growth opportunities going forward.

Clinical leadership, surgeon support and patient care are Assure's cornerstones. We make substantial ongoing investments in our training and development of clinical staff and have created a fellowship program to rigorously train new INPs to cost-effectively join the Assure team. In addition, we have partnered with the internationally renowned Texas Back Institute on clinical research relating to IONM safety and efficacy. Isador Lieberman, M.D., the president and director of the scoliosis and spine tumor program at the Texas Back Institute, is a member of Assure's Medical Advisory Committee.

Our Strategy

Our strategy is to build a telehealth remote neurology services company with exceptional capabilities in IONM and numerous adjacent markets

Our Responsibilities

Assure offers a turnkey full suite of IONM services including scheduling of the INP and supervising practitioner, real time monitoring and subsequent billing for services provided.

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Prior to a patient's procedure, Assure will coordinate with the surgeon's office to obtain the necessary information and documentation to provide IONM services, such as the patients' insurance information, patients' demographic information and office/clinic notes. We provide educational materials to the surgeons office for inclusion in each surgical patient's pre-operative packets to educate and provide comfort to the patient about IONM services. Prior to the surgery, an Assure patient advocate connects with the patient to explain our role during the surgery, the benefits of IONM and billing issues that may affect role during the surgery, discuss the patient to explain their role during the surgery, discuss the patients' pertinent past medical history, explain the risks and benefits associated with IONM and have the patient sign consenting forms for IONM to be utilized on their procedure.

All IONM procedures include both technical services (performed by INPs) and professional services (performed by supervising practitioners). During the surgery, the INP will continuously monitor the functional integrity of the peripheral or central nervous system by recording, troubleshooting, documenting and communicating activity arising from the brain, spinal cord, peripheral nerves, somatosensory or motor nerve systems using the IONM unit provided by Assure and communicating results in real-time to the surgeon. The INP and surgeon are supported by an off-site supervising practitioner providing remote neurology oversight services. The supervising practitioner also monitors the functional integrity of the peripheral or central nervous system throughout the procedure communicating in real-time with the surgeon and INP throughout the process. In some cases (and increasingly), remote neurology services are performed directly by Assure's supervising practitioners. In other instances, these services are provided by and through subsidiaries, which owns interest in entities that either directly perform the Professional Component through third party contracted neurologists or oversight reading physicians.

Assure Interoperative Neurophysiologists

Assure currently employs specialized IONM INPs that are board certified CNIM or board eligible CNIM by ABRET. ABRET seeks to encourage, establish and maintain standards of clinical EEG, Evoked Potential Technology, and Neurophysiologic Intraoperative and long-term monitoring, by offering credentialing exams to evaluate the skills and knowledge of technologists, and by supporting lab accreditation.

Assure has developed an Intraoperative Neurophysiologist Fellowship program. This Fellowship program trains new INPs from start to board certification,

allowing for consistently high caliber well trained professional INPs for placement into emerging and growing markets. Training and developing our own talent pool allow for more flexible scalability.

Assure Supervising Practitioners

Assure currently employ supervising practitioners performing remote neurology services. These physicians are highly trained and are specialized in providing off-site tele neurology services. Multiple Assure supervising practitioners have already received the training necessary to provide remote neurology services in targeted expansion markets including EEG.

We have a history of providing industry-leading IONM services with an emphasis on clinical excellence and patient well-being, and we are in the midst of a significant transformation to position ourselves for growth. With our focus on execution and providing a high level of patient care, we are transforming from being a provider of the Technical Component of IONM utilizing a one-to-one model of INPs in the operating room to a business that also provides the Professional Component of IONM via off-site remote neurology services in a far more scalable one-to-many model. The next step in our development will be expanding into adjacent remote neurology markets while utilizing the same platform and employees. This will extend our reach and redefine our position in the industry. We are thoughtfully deploying capital and focusing our investment in high potential growth initiatives including: organically expanding into new states, growing our remote neurology platform, signing new IONM outsourcing agreements with hospitals and medical facilities, as well as opportunistic M&A. In addition, we are investing to make our revenue cycle management function more automated, improving the velocity of our cash collections. The data and analytics-driven Company we are building will play a bigger role in the success of our key stakeholder groups: surgeons, hospitals, insurance companies and patients, and in turn deliver attractive returns to our stockholders.

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Commercial Insurance

Following the procedure, assuming the patient has health care insurance under a commercial health care policy, we will invoice the insurance company directly for IONM services. The invoice provided to the insurance company will detail each modality monitored by the INP for the neural protection of the patient during the procedure. After we have submitted the claim to the private insurance company, our patient advocate will contact the patient to further explain the details on the explanation of benefits insurance form and to ensure the patient was satisfied with the level of service provided by us.

Facility Billing

In the event a patient is uninsured or has insurance coverage under a government health care policy (Medicare, Medicaid, Tricare or Veterans Administration) the facility where the procedure took place will be billed for the IONM services for the patient, as agreed to in each facility service contract.

Hospital Agreements

Assure Neuromonitoring must enter into a contracted services agreement with each procedure facility it provides IONM services prior to initiating IONM services. The purpose of these agreements is to ensure that Assure provides its services in accordance with all regulatory and accreditation standards, including those requirements imposed by The Joint Commission, the Centers for Medicare and Medicaid Services and all applicable federal, state and local laws.

Pursuant to these agreements, Assure Neuromonitoring has agreed to provide IONM services and shall ensure the real-time interpretation of such monitoring to patients.

Each INP is required to be approved and decreed privileges to practice IONM by each of the contracted facilities. All INP who are performing onsite monitoring must be certified or board eligible from one of the following organizations (i) American Board of Neurophysiologic Monitoring; (ii) American Board of Electrodiagnostic Technologists; or (iii) ABRET.

Payment for services, revenue mix and seasonality

Over half of Assure's patients commonly have commercial health insurance coverage ("Commercial Payor") and we are compensated via their health insurance plan. Assure's commercial insurance patients represent the significant majority of our revenue and profit margin. We produce separate bills for the Technical Component and the Professional Component of the IONM services we perform. The remainder of our patients, who do not have commercial insurance coverage, compensate us via hospital agreements. Regardless of type of payment and whether the patient has commercial insurance coverage, Assure provides the same high level of service and quality of care.

The majority of our commercial payors are billed out-of-network and we negotiate payment for each claim. The remainder of commercial payors utilize a contracted rate. The majority of contracted rates are via indirect agreements with third-party organizations or related entities of the commercial payor with a smaller portion in direct agreements with contracted rates.

We bill, collect and keep 100% of the revenue associated with the Technical Component of the services we provide. For the Professional Component, when the supervising practitioner is an Assure employee or where we 100% own the entity managing the procedure the Company bills, collects and keeps 100% of the revenue. In instances in which the Professional Component are provided via Managed Service Agreements ("MSAs") with surgeons or through agreements with Professional Entities ("PEs"), we engage in a revenue share based on percent of revenue and net income.

In addition, the surgical segment of the health care industry tends to be impacted by seasonality due to the nature of most benefit plans resetting on a calendar year basis. As patients utilize and reduce their remaining deductible throughout the year, we typically see an increase in volume throughout the year with the biggest impact coming in the fourth quarter. Historically, our annual revenues are overweighted in the fourth quarter.

to patients with commercial insurance in the second half of the year and to patients with government insurance in the first half of the year.

Impact of the Covid-19 Pandemic

Our business and results of operations have been, and continues to be, adversely affected by the global COVID-19 pandemic and related events and we expect its impact to continue. Although a significant portion of our anticipated revenue for 2022 is derived from fixed-fee and minimum-guarantee arrangements, primarily from large, well-capitalized customers which we believe somewhat mitigates the risks to our business, our per-unit and variable-fee based revenue will continue to be susceptible to the volatility, supply chain disruptions, microchip shortages and potential market downturns induced by the COVID-19 pandemic. See "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations" for a more detailed discussion of the impact of COVID-19 on our operations

Corporate Development

Assure Holdings Corp.

Assure Holdings Corp., formerly Montreux Capital Corp, a Canadian Capital Pool Company ("Montreux"), was formed under the British Columbia Business Corporations Act in British Columbia, Canada on September 24, 2007, is a Nevada corporation, existing under the laws of the State of Nevada pursuant to its Articles of Domestication filed with the Nevada Secretary of State on May 15, 2017. A Canadian Capital Pool Company is a special purpose acquisition company organized for the purposes of completing acquisition transactions, known as "qualifying transactions," with operating companies for the purposes of taking the operating companies public in Canada. Qualifying transactions are subject to Canadian securities laws and exchange listing requirements.

Assure Holdings, Inc.

Our direct subsidiary is Assure Holdings, Inc., a Colorado corporation, formed under the laws of the State of Colorado on November 7, 2016. Assure Holdings, Inc. became a wholly owned subsidiary of Assure Holdings Corp. on May 15, 2017 when Assure Holdings Inc. and its shareholders and Montreux and its shareholders entered into a Share Exchange Agreement pursuant to which the shareholders of Assure Holdings, Inc. received shares of Montreux as consideration for their assignment of their shares in Assure Holdings, Inc. to Montreux in the "Qualifying Transaction" under the rules of the TSX Venture Exchange ("TSX-V"). One of the primary objectives of the Qualifying Transactions was to facilitate our going public and listing on the TSX-V.

Assure Holdings, Inc. is the sole member of Assure Neuromonitoring, LLC ("Assure Neuromonitoring"), a Colorado limited liability company formed under the laws of the state of Colorado on August 25, 2015. Prior to the Qualifying Transaction, Preston Parsons owned a controlling ownership interest in Assure Neuromonitoring. Upon closing of the Qualifying Transaction, Preston Parsons was appointed as a member of the Board of Directors and Chief Executive Officer and held a controlling interest in Assure Holdings Corp. On May 15, 2018, Mr. Parsons resigned as Chief Executive Officer and was appointed as Founder. Mr. Parsons continues to serve as a member of the Board of Directors of Assure Holdings Corp. and is employed by the entity to focus on growth initiatives. Assure Neuromonitoring became a wholly owned subsidiary of Assure Holdings, Inc. on November 7, 2016, when its members assigned their interest in Assure Neuromonitoring to Assure Holdings, Inc. for shares of Assure Holdings, Inc.

Assure Holdings, Inc. is the sole member of Assure Networks, LLC ("Assure Networks"), a Colorado limited liability company formed under the laws of the state of Colorado on November 2, 2016. Prior to the Reorganization and Qualifying Transaction, Preston Parsons owned a controlling ownership interest in Assure Networks. Assure Networks became a wholly owned subsidiary of Assure Holdings, Inc. on November 7, 2016, when its members assigned their interest in Assure Networks to Assure Holdings, Inc. for shares of Assure Holdings, Inc.

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Assure Holdings, Inc. is the sole member of Assure Equipment Leasing, LLC ("Assure Equipment Leasing"), a Colorado limited liability company formed under the laws of the state of Colorado on April 20, 2020.

Our Common Stock

Our common stock is listed on the NASDAQ under the symbol "IONM".

Available Information

Our executive office address is 7887 E. Belleview Ave., Suite 500, Englewood, Colorado 80111. The telephone number for our executive office is (720) 287-3093

We make available, free of charge, on or through our Internet website, at www.assureneuromonitoring.com, our annual reports on Form 10-K, our quarterly reports on Form 10-Q and our current reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act. Our Internet website and the information contained therein or connected thereto are not intended to be, and are not, incorporated into this prospectus.

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The Securities being Offered under this Prospectus

We may offer the Common Stock, Warrants or Units with a total value of up to \$100,000,000 from time to time under this prospectus, together with any applicable prospectus supplement, at prices and on terms to be determined by market conditions at the time of offering. This prospectus provides you with a general description of the securities we may offer. Each time we offer securities, we will provide a prospectus supplement that will describe the specific amounts, prices and other important terms of the securities, including, to the extent applicable:

- designation or classification;
- aggregate offering price;

- original issue discount, if any;
- rates and times of payment of dividends, if any;
- redemption, conversion or exchange terms, if any;
- conversion or exchange prices, if any, and, if applicable, any provisions for changes to or adjustments in the conversion or exchange prices and in the securities or other property receivable upon conversion or exchange;
- · restrictive covenants, if any;
- voting or other rights, if any; and
- important United States federal income tax considerations.

A prospectus supplement may also add, update or change information contained in this prospectus or in documents we have incorporated by reference. However, no prospectus supplement will offer a security that is not described in this prospectus.

Common Stock

We may issue shares of our Common Stock from time to time. The holders of our Common Stock are entitled to one vote per share. Our certificate of incorporation does not provide for cumulative voting. Our directors are divided into three classes. At each annual meeting of stockholders, directors elected to succeed those directors whose terms expire are elected for a term of office to expire at the third succeeding annual meeting of stockholders after their election. The holders of our Common Stock are entitled to receive ratably such dividends, if any, as may be declared by our board of directors out of legally available funds; however, the current policy of our board of directors is to retain earnings, if any, for operations and growth. Upon liquidation, dissolution or winding-up, the holders of our Common Stock are entitled to share ratably in all assets that are legally available for distribution. The holders of our Common Stock have no preemptive, subscription, redemption or conversion rights.

Warrants

We may issue Warrants for the purchase of Common Stock in one or more series. We may issue Warrants independently or together with Common Stock and the Warrants may be attached to or separate from these securities. We will evidence each series of Warrants by warrant certificates that we will issue under a separate agreement. We may enter into warrant agreements with a bank or trust company that we select to be our warrant agent. We will indicate the name and address of the warrant agent in the applicable prospectus supplement relating to a particular series of Warrants.

In this prospectus, we have summarized certain general features of the Warrants. We urge you, however, to read the applicable prospectus supplement related to the particular series of Warrants being offered, as well as the warrant agreements and warrant certificates that contain the terms of the Warrants. We will file as exhibits to the registration statement of which this prospectus is a part, or will incorporate by reference from reports that we file with the SEC, the form of warrant agreement or warrant certificate containing the terms of the Warrants we are offering before the issuance of the Warrants.

Units

We may issue Units consisting of Common Stock and/or Warrants for the purchase of Common Stock in one or more series. In this prospectus, we have summarized certain general features of the Units. We urge you, however, to read the applicable prospectus supplement related to the series of Units being offered, as well as the Unit agreements that contain the terms of the Units. We will file as exhibits to the registration statement of which this prospectus is a part, or will incorporate by reference reports that we file with the SEC, the form of unit agreement and any supplemental agreements that describe the terms of the series of Units we are offering before the issuance of the related series of Units.

THIS PROSPECTUS MAY NOT BE USED TO OFFER OR SELL ANY SECURITIES UNLESS ACCOMPANIED BY A PROSPECTUS SUPPLEMENT

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RISK FACTORS

An investment in our common stock involves a high degree of risk. You should carefully consider the risks described below and discussed under the section captioned "Risk Factors" contained in our annual report on Form 10-K for the fiscal years ended <u>December 31, 2021</u> and <u>2020</u>, which reports are incorporated by reference in this prospectus, together with all of the other information included in this prospectus or incorporated by reference herein, including any documents subsequently filed and incorporated by reference, before making an investment decision with regard to our securities. See "Documents Incorporated by Reference" and "Where You Can Find More Information" helow

The statements contained in this prospectus that are not historic facts are forward-looking statements that are subject to risks and uncertainties that could cause actual results to differ materially from those set forth in or implied by forward-looking statements. If any of the following risks actually occurs, our business, financial condition or results of operations could suffer.

Summary of Risk Factors

The following is a short description of the risks and uncertainties you should carefully consider in evaluating our business and us which are more fully described in our transition report on Form 10-K for the fiscal years ended December 31, 2021 and 2020, which reports are incorporated by reference in this prospectus. The factors listed below and in the transition report and quarterly report, represent certain important factors that we believe could cause our business results to differ. These factors are not intended to represent a complete list of the general or specific risks that may affect us. It should be recognized that other risks may be significant, presently or in the future, and the risks set forth below may affect us to a greater extent than indicated. If any of the following risks occur, our business, financial condition or results of operations could be materially and adversely affected.

Business Related Risks

- Our business and operations are subject to risks and uncertainty surrounding the future spread of COVID-19 and related variants as well as the potential impact that these may have on our future operations.
- We have incurred operating losses in some of our historical periods and we could incur additional losses until we successfully integrate acquired practices, improve
 collections for managed cases and reduce operating expenses.

- We may need to raise additional funds to finance our operations and our expansion and growth plans; we may not be able to do so when necessary, and/or the terms of
 any financings may not be advantageous to us.
- Our business is not highly diversified and approximately 75% of our case volume is currently concentrated in Colorado and Texas where we are susceptible to local and regional fluctuations in demand for our service, downturns in the economy, adverse weather conditions, changes in local or state regulations, and other localized market changes.
- We are expanding our offering beyond our legacy provision of the Technical Component of Intraoperative Neurophysiological Monitoring ("IONM") to provide the
 Professional Component by delivering remote neurology services provided as part of IONM. We face significant competition from other health care providers for
 patients, physicians, nurses and technical staff. Some of our competitors are larger and have longstanding and well-established relationships with physicians and thirdparty payors in the community.
- Our founder and director, Preston Parsons, is our single largest shareholder and beneficially owns approximately 4.3 million shares or 33% of our issued and outstanding shares of common stock. Mr. Parsons has the ability to influence the outcome of matters submitted to our shareholders for approval.
- Our development will depend on the efforts of key management, key personnel and our relationships with medical partners in the surgical industry, and the loss of any of these people and partnerships, particularly to competitors, could have a material adverse effect on our business.
- We depend on payments from third-party payors, including private insurers, managed care organizations and hospitals, which may cause fluctuations in our revenue
 and delays and uncertainties in the reimbursement rate and the timing of reimbursement.
- State and Federal surprise billing legislation could lead to lower reimbursement rates.

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- Value-based purchasing initiatives of both governmental and private payors tying financial incentives to quality and efficiency of care will increasingly affect the results
 of operations of hospitals and other health care facilities where we operate and may negatively impact our revenues.
- Public scrutiny of the intraoperative neuromonitoring industry in general could have a material adverse effect on our business and results of operations.
- Accounting adjustments due to changes in circumstances or estimates may require us to write-off accounts receivables or write-down intangible assets, such as goodwill, may have a material impact on our financial reporting and results of operations.
- Our business strategy has been to grow through expansion. Our efforts to execute our acquisition strategy may be affected by our ability to identify suitable candidates and negotiate and close acquisition transactions on acceptable terms.
- Our success, in large part, is dependent upon referrals to our physicians from other physicians, systems, health plans and others in the communities in which we operate, and upon our medical staff's ability to maintain good relations with these referral sources.
- We may be involved in lawsuits, claims, audits and investigations, including those arising out of services provided, personal injury claims, professional liability claims, billing and marketing practices, employment disputes and contractual claims.
- We are subject to rising costs, including malpractice insurance premiums or claims may adversely affect our business.
- We are reliant on Software-as-a-Service (Saas) technologies from third parties, which could adversely affect our business.
- Our business depends on network and mobile infrastructure developed and maintained by third-party providers. Any significant interruptions in service could result in limited capacity, processing delays and loss of customers.
- Cybersecurity incidents could disrupt business operations, result in the loss of critical and confidential information, and adversely impact our reputation and results of operations.
- We rely on 3rd party software-as-a-service vendors for certain operational and administrative functions.
- There is currently a shortage of certified, interoperative neurophysiologists in the United States.

Health Care Industry Regulatory Risks

- The health care industry is heavily regulated, and we are required to comply with extensive and complex laws and regulations at the federal, state and local government levels. These regulations include:
 - o Anti-Kickback Statute, a provision of the Social Security Act of 1972
 - o Stark Law, 42 U.S.C. 1395nn, also known as the physician self-referral law
 - o Health Insurance Portability and Accountability Act of 1996
 - o Affordable Care Act
 - o Health Care and Education Reconciliation Act of 2010
 - o Health Insurance Portability and Accountability Act of 1996 ("HIPAA")
- If we fail to comply with applicable laws and regulations, we could suffer penalties or be required to make significant changes to our operations.
- As a health care provider, we are subject to professional liability claims both directly via our neurophysiologic ("INP") staff and indirectly through the malpractice of our reading partners and surgical partners.
- Political and regulatory changes, including insurance options, billing restrictions, patient rights and reimbursement regulation, may have a negative impact on the health care industry and our business.

Risk Related to our Debenture

Restrictive covenants in our loan agreements with Centurion Financial Trust may restrict our ability to pursue our business strategies.

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Our obligations to Centurion Financial Trust are secured by a security interest in substantially all of our assets, if we default on those obligations, the lender could foreclose on our assets.

Risk Related to our Stock

- We qualify as an "emerging growth company" under the JOBS Act. As a result, we are permitted to, and intend to, rely on exemptions from certain disclosure requirements.
- Broad market and industry factors may affect the price of our common shares, regardless of our actual operating performance.
- Our common stock is listed in the U.S. on the NASDAQ Capital Markets.
- The issuance of shares of common stock upon exercise of outstanding warrants could result in substantial dilution to our stockholders, which may have a negative
 effect on the price of our common stock.

This prospectus, the documents incorporated by reference herein and the exhibits attached hereto contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding future events or our future results of operations, financial condition, business, strategies, financial needs, and the plans and objectives of management, are forward-looking statements. In some cases forward-looking statements can be identified because they contain words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "likely," "plan," "potential," "predict," "project," "seek," "should," "target," "will," "would," or similar expressions and the negatives of those terms. Forward-looking statements are based on information available to our management as of the date of this prospectus and our management's good faith belief as of such date with respect to future events and are subject to a number of risks, uncertainties, and assumptions that could cause actual performance or results to differ materially from those expressed in or suggested by the forward-looking statements, in particular the substantial risks and uncertainties related to the ongoing COVID-19 pandemic. Important factors that could cause such differences include, but are not limited to:

- our ability to sustain our revenue growth rate, to achieve or maintain profitability, and to effectively manage our anticipated growth;
- our dependence on the commercial success of our clients, the continued growth of the cannabis industry and the regulatory environment in which the cannabis industry operates;
- our ability to attract new clients on a cost-effective basis and the extent to which existing clients renew and upgrade their subscriptions;
- the timing of our introduction of new solutions or updates to existing solutions;
- our ability to successfully diversify our solutions by developing or introducing new solutions or acquiring and integrating additional businesses, products, services, or content;
- our ability to respond to changes within the cannabis industry;
- the effects of adverse changes in, or the enforcement of, federal laws regarding our clients' cannabis operations or our receipt of proceeds from such operations;
- our ability to manage unique risks and uncertainties related to government contracts;
- our ability to manage and protect our information technology systems;
- our ability to maintain and expand our strategic relationships with third parties;
- our ability to deliver our solutions to clients without disruption or delay;

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- our exposure to liability from errors, delays, fraud, or system failures, which may not be covered by insurance;
- · our ability to expand our international reach;
- our ability to retain or recruit officers, key employees, and directors;
- our ability to raise additional capital or obtain financing in the future;
- our ability to successfully integrate acquired businesses with Assure's business within anticipated timelines and at their expected costs;
- our ability to complete planned acquisitions on time or at all due to failure to obtain stockholder approval or governmental or regulatory clearances, or the failure to satisfy other conditions to completion, or the failure of completion for any other reason;
- our response to adverse developments in the general market, business, economic, labor, regulatory, and political conditions, including worldwide demand for cannabis and the spot price and long-term contract price of cannabis;
- our response to competitive risks;
- our ability to protect our intellectual property;
- the market reaction to negative publicity regarding cannabis;
- our ability to manage the requirements of being a public company;
- our ability to service our convertible debt;
- our accounting treatment of certain of our private warrants;
- our ability to effectively manage any disruptions to our business and/or any negative impact to our financial performance caused by the economic and social effects of the COVID-19 pandemic and measures taken in response; and
- other factors discussed in other sections of this prospectus, including the section titled "Risk Factors," and in the Company's fiscal years ended period ended December 31, 2021 and 2020 on Form 10-K, incorporated herein by reference, including the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations."

Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those anticipated, believed, estimated or expected. We caution readers not to place undue reliance on any such forward-looking statements, which speak only as of the date made. We disclaim any obligation subsequently to revise any forward-looking statements to reflect events or circumstances after the date of such statements or to reflect the occurrence of anticipated or unanticipated events.

We qualify all the forward-looking statements contained in this prospectus by the foregoing cautionary statements.

RECENT DEVELOPMENTS

On February 17, 2022, we announced that we had appointed Mr. Brian McDonald a vice president of business operations.

On March 24, 2022, we announced the appointment of a new Vice-President of Sales, Mr. Kelly Shelton, and Vice-President of Human Resources, Ms. Sherri Wagner.

On April 12, 2022, we announced a new partnership with Yankee Alliance, a member-driven healthcare group purchasing organization.

On April 19, 2022, we announced that we had ended our employment relationship with Mr. Preston Parsons as Founder.

On April 26, 2022 we announced the appointment of James Watt to the position of national technologist director.

In April 2022, the U.S. Department of Justice (DOJ) issued Civil Investigative Demands which seek information with respect to a civil investigation under the Anti-kickback Statute and the False Claims Act. We voluntarily contacted the DOJ offering to provide any materials needed in the investigation and to answer any questions. While our policy during the relevant time was to not seek payments from federal health care programs, the third-party billing company we used at that time submitted some claims to Medicare Advantage plans administered by commercial insurance companies. We have worked diligently to ensure that payments from Medicare Advantage plans have been returned to the commercial insurance companies and we believe we have returned substantially all such payments that we have discovered to date, totaling approximately \$450,000. The DOJ has not made any allegations in the investigation, and we are currently unable to predict the eventual scope, ultimate timing, or outcome of this investigation. As a result, we are unable to estimate the amount or range of any potential loss, if any, arising from this investigation.

On June 2, 2022, we announced the execution of strategic actions to make our business leaner and more profitable. These actions included the streamlining of operations and salary deferments for the executive management team which prioritize resources for growth, accelerate the Company's path to profitability and create stakeholder value. We estimate that the steps we have taken and are taking will reduce our monthly operating costs by greater than \$200,000 per month.

On July 6, 2022, we announced we had retained Hayden IR, LLC to broaden our awareness within the investor and financial community and support our investor relations program.

On July 14, 2022, we announced an update on our plan to continue streamlining operations that prioritize reaching positive operating cash flow. The plan to becoming operating cash flow positive utilizes four key levers:

- · We estimate that cash cutting measures will realize approximately \$4 million of savings on an annualized basis. This was achieved through a trimming of the workforce, salary reductions for the management team, limiting the use of outside consultants and reducing operating expenses.
- We rationalized our operational footprint by withdrawing from certain low performing markets thereby enabling Assure to focus on its fast-growing profitable core.
- We are continuing to invest in our managed care and revenue cycle management functions and tools as we accelerate collections and sign new in-network agreements.
- We are prioritizing growth resources in markets with substantial existing operational density, servicing facility-wide outsourcing agreements and entering new markets with very strong profitability profiles.

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USE OF PROCEEDS

Unless we specify another use in the applicable prospectus supplement, we will use the net proceeds from the sale of the securities offered by us for general corporate purposes, which may include, among other things, working capital, capital expenditures, and to the extent we have any debt, debt repayment.

We may also use such proceeds to fund acquisitions of businesses, product candidates or technologies that complement our current business. We may set forth additional information on the use of net proceeds from the sale of the securities we offer under this prospectus in a prospectus supplement related to a specific offering.

Investors are cautioned, however, that expenditures may vary substantially from these uses. Investors will be relying on the judgment of our management, who will have broad discretion regarding the application of the proceeds of this offering. The amounts and timing of our actual expenditures will depend upon numerous factors, including the amount of cash generated by our operations, the amount of competition and other operational factors. We may find it necessary or advisable to use portions of the proceeds from this offering for other purposes.

From time to time, we evaluate these and other factors and we anticipate continuing to make such evaluations to determine if the existing allocation of resources, including the proceeds of this offering, is being optimized. Circumstances that may give rise to a change in the use of proceeds include:

- a change in development plan or strategy;
- the addition of new products or applications;
- · technical delays;
- · delays or difficulties with our clinical trials;
- negative results from our clinical trials;
- difficulty obtaining regulatory approval;
- failure to achieve sales as anticipated;
- the availability and terms of debt financing to fund a portion of the purchase price(s) for potential acquisitions; and
- the availability of other sources of cash including cash flow from operations and new bank debt financing arrangements, if any.

Pending other uses, we intend to invest the proceeds to us in investment-grade, interest-bearing securities such as money market funds, certificates of deposit, or direct or guaranteed obligations of the U.S. government, or hold as cash. We cannot predict whether the proceeds invested will yield a favorable, or any, return.

MARKET FOR COMMON SHARES

per share, there were 12,919,666 shares of Common Stock issued and outstanding.

DIVIDEND POLICY

We do not intend to pay dividends for the foreseeable future. In addition, our ability to pay dividends is restricted by agreements governing Assure's and its subsidiaries' debt, including the Company's senior secured convertible notes. See "Risk Factors" above.

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CERTAIN INCOME TAX CONSIDERATIONS

The applicable prospectus supplement will also describe certain U.S. federal income tax consequences of the acquisition, ownership and disposition of Securities by an initial investor who is a U.S. person (within the meaning of the U.S. Internal Revenue Code), if applicable, including, to the extent applicable, any such consequences relating to Securities payable in a currency other than the U.S. dollar, issued at an original issue discount for U.S. federal income tax purposes or containing early redemption provisions or other special terms.

DESCRIPTION OF CAPITAL STOCK

Authorized Capital Stock

Our authorized capital stock consists of 180,000,000 shares of common stock, par value \$0.001 per share. As of August 5, 2022 there were 12,919,666 shares of our common stock issued and outstanding, warrants to acquire 3,940,006 shares at a weighted average exercise price of \$4.49, options to acquire 1,305,500 shares at a weighted average exercise price of \$5.20, and convertible debt convertible into 753,024 shares at a conversion price of \$5.80.

Common Stock

Holders of our common stock are entitled to one vote for each share held on all matters submitted to a vote of our stockholders. Holders of our common stock have no cumulative voting rights. Further, holders of our common stock have no preemptive or conversion rights or other subscription rights. Upon our liquidation, dissolution or winding-up, holders of our common stock are entitled to share in all assets remaining after payment of all liabilities. Holders of our common stock are entitled to receive dividends, if any, as may be declared from time to time by our Board out of our assets which are legally available. Such dividends, if any, are payable in cash, in property or in shares of capital stock.

The holders of shares of our common stock entitled to cast at least a majority of the total votes entitled to be cast by the holders of all of our outstanding capital stock, present in person or by proxy, are necessary to constitute a quorum at any meeting. If a quorum is present, an action by stockholders entitled to vote on a matter is approved if the number of votes cast in favor of the action exceeds the number of votes cast in opposition to the action. The vote of a majority of our stock held by shareholders present in person or represented by proxy and entitled to vote at the Meeting will be sufficient to elect Directors or to approve a proposal.

Anti-Takeover Provisions of Nevada State Law

Certain anti-takeover provisions of Nevada law could have the effect of delaying or preventing a third party from acquiring us, even if the acquisition arguably could benefit our stockholders.

Nevada's "combinations with interested stockholders" statutes, Nevada Revised Statues ("NRS") 78.411 through 78.444, inclusive, prohibit specified types of business "combinations" between certain Nevada corporations and any person deemed to be an "interested stockholder" for two years after such person first becomes an "interested stockholder" unless the corporation's board of directors approves the combination, or the transaction by which such person becomes an "interested stockholder", in advance, or unless the combination is approved by the board of directors and sixty percent of the corporation's voting power not beneficially owned by the interested stockholder, its affiliates and associates. Further, in the absence of prior approval certain restrictions may apply even after such two-year period. However, these statutes do not apply to any combination of a corporation and an interested stockholder after the expiration of four years after the person first became an interested stockholder. For purposes of these statutes, an "interested stockholder" is any person who is (1) the beneficial owner, directly or indirectly, of ten percent or more of the voting power of the outstanding voting shares of the corporation, or (2) an affiliate or associate of the corporation and at any time within the two previous years was the beneficial owner, directly or indirectly, of ten percent or more of the voting power of the then outstanding shares of the corporation. The definition of the term "combination" is sufficiently broad to cover most significant transactions between a corporation and an "interested stockholder." These statutes generally apply to Nevada corporations with 200 or more stockholders or record. However, a Nevada corporation may elect in its articles of incorporation to to be governed by these particular laws, but if such election is not made in the corporation or or beneficially owned by interested stockholders or their affiliates and associates, and (2) is not effective until 18 months after the vote appro

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Nevada's "acquisition of controlling interest" statutes, NRS 78.378 through 78.379, inclusive, contain provisions governing the acquisition of a controlling interest in certain Nevada corporations. These "control share" laws provide generally that any person that acquires a "controlling interest" in certain Nevada corporations may be denied voting rights, unless a majority of the disinterested stockholders of the corporation elects to restore such voting rights. Absent such provision in our bylaws, these laws would apply to us as of a particular date if we were to have 200 or more stockholders of record (at least 100 of whom have addresses in Nevada appearing on our stock ledger at all times during the 90 days immediately preceding that date) and do business in the State of Nevada directly or through an affiliated corporation, unless our articles of incorporation or bylaws in effect on the tenth day after the acquisition of a controlling interest provide otherwise. These laws provide that a person acquires a "controlling interest" whenever a person acquires shares of a subject corporation that, but for the application of these provisions of the NRS, would enable that person to exercise (1) one fifth or more, but less than one third, (2) one third or more, but less than a majority or (3) a majority or more, of all of the voting power of the corporation in the election of directors. Once an acquirer crosses one of these thresholds, shares which it acquired in the transaction taking it over the threshold and within the 90 days immediately preceding the date when the acquiring person acquired or offered to acquire a controlling interest become "control shares" to which the voting restrictions described above apply.

Nevada law also provides that directors may resist a change or potential change in control if the directors determine that the change is opposed to, or not in the best interests of, the corporation. The existence of the foregoing provisions and other potential anti-takeover measures could limit the price that investors might be willing to pay in the future for shares of our common stock. They could also deter potential acquirers of our Company, thereby reducing the likelihood that you could receive a premium for your common stock in an acquisition.

The following provisions of our articles of incorporation and bylaws could have the effect of delaying or discouraging another party from acquiring control of us and could encourage persons seeking to acquire control of us to first negotiate with our board of directors:

- no cumulative voting in the election of directors, which limits the ability of minority stockholders to elect director candidates;
- the right of our board of directors to elect a director to fill a vacancy created by the expansion of the board of directors or the resignation, death or removal of a director, with our stockholders only allowed to fill such a vacancy if not filled by the board;
- the ability of our board of directors to alter our bylaws without obtaining shareholder approval; and
- the requirement that a special meeting of stockholders may be called only by either (i) the directors; (ii) the chairman of the board; or (iii) the chief executive officer.

Forum Selection and Jurisdiction

Our bylaws provides that unless we consent in writing to the selection of an alternative forum, the applicable court of competent jurisdiction shall be the state and federal courts located in Denver, Colorado (the "Colorado Court"), which Colorado Court shall, to the fullest extent permitted by law, be the sole and exclusive forum for actions or other proceedings relating to:

- (i) a derivative action;
- (ii) an application for an oppression remedy, including an application for leave to commence such a proceeding;

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- (iii) an action asserting a claim of breach of the duty of care owed by us; any director, officer or other employee or any shareholder;
- (iv) an action asserting a claim of breach of fiduciary duty owed by any director, officer or other employee or any shareholder;
- (v) an action or other proceeding asserting a claim or seeking a remedy pursuant to any provision of the Nevada Revised Statute or our articles or bylaws; and
- (vi) an action or other proceeding asserting a claim against us or any director or officer or other employee of the Corporation regarding a matter of the regulation of our business and affairs.

The choice of forum provision may limit a shareholder's ability to bring a claim in a judicial forum that it finds favorable for disputes, which may discourage such lawsuits. We interpret the forum selection clauses in our bylaws to be limited to specified actions and not to apply to actions arising under the Exchange Act or the Securities Act. Section 27 of the Exchange Act provides that, United States federal courts shall have jurisdiction over all suits and any action brought to enforce any duty or liability created by the Exchange Act or the rules and regulations thereunder and Section 22 of the Securities Act provides that, United States federal and state courts shall have concurrent jurisdiction over all suits brought to enforce any duty or liability created by the U.S. Securities Act or the rules and regulations thereunder.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is Computershare Trust Company of Canada.

Indemnification of Directors and Officers

The NRS empower us to indemnify our directors and officers against expenses relating to certain actions, suits or proceedings as provided for therein. In order for such indemnification to be available, the applicable director or officer must not have acted in a manner that constituted a breach of his or her fiduciary duties and involved intentional misconduct, fraud or a knowing violation of law, or must have acted in good faith and reasonably believed that his or her conduct was in, or not opposed to, our best interests. In the event of a criminal action, the applicable director or officer must not have had reasonable cause to believe his or her conduct was unlawful.

Pursuant to our articles, we may indemnify each of our present and future directors, officers, employees or agents who becomes a party or is threatened to be made a party to any suit or proceeding, whether pending, completed or merely threatened, and whether said suit or proceeding is civil, criminal, administrative, investigative, or otherwise, except an action by or in the right of the Company, by reason of the fact that he is or was a director, officer, employee, or agent of the Company, or is or was serving at the request of the Company as a director, officer, employee, or agent of another corporation, partnership, joint venture, trust, or other enterprise, against expenses, including, but not limited to, attorneys' fees, judgments, fines, and amounts paid in settlement actually and reasonably incurred by him in connection with the action, suit, proceeding or settlement, provided such person acted in good faith and in a manner which he reasonably believed to be in or not opposed to the best interest of the Company, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful.

The expenses of directors, officers, employees or agents of the Company incurred in defending a civil or criminal action, suit, or proceeding may be paid by the Company as they are incurred and in advance of the final disposition of the action, suit, or proceeding, if and only if the director, officer, employee or agent undertakes to repay said expenses to the Company if it is ultimately determined by a court of competent jurisdiction, after exhaustion of all appeals therefrom, that he is not entitled to be indemnified by the corporation.

No indemnification shall be applied, and any advancement of expenses to or on behalf of any director, officer, employee or agent must be returned to the Company, if a final adjudication establishes that the person's acts or omissions involved a breach of any fiduciary duties, where applicable, intentional misconduct, fraud or a knowing violation of the law which was material to the cause of action.

The NRS further provides that a corporation may purchase and maintain insurance or make other financial arrangements on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise for any liability asserted against him and liability and expenses incurred by him in his capacity as a director, officer, employee or agent, or arising out of his status as such, whether or not the corporation has the authority to indemnify him against such liability and expenses. We have secured a directors' and officers' liability insurance policy. We expect that we will continue to maintain such a policy.

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Disclosure of Commission Position on Indemnification for Securities Act Liabilities

provisions, the Company has been informed that is it is the opinion of the SEC that such indemnification is against public policy as expressed in such Securities Act and is, therefore, unenforceable.

DESCRIPTION OF WARRANTS

We may issue Warrants for the purchase of Common Stock in one or more series. We may issue Warrants independently or together with Common Stock, and the Warrants may be attached to or separate from these securities.

We will evidence each series of Warrants by warrant certificates that we may issue under a separate agreement. We may enter into a warrant agreement with a warrant agent. Each warrant agent may be a bank that we select which has its principal office in the United States. We may also choose to act as our own warrant agent. We will indicate the name and address of any such warrant agent in the applicable prospectus supplement relating to a particular series of Warrants.

We will describe in the applicable prospectus supplement the terms of the series of Warrants, including:

- the offering price and aggregate number of Warrants offered;
- if applicable, the designation and terms of the securities with which the Warrants are issued and the number of Warrants issued with each such security or each principal
 amount of such security;
- if applicable, the date on and after which the Warrants and the related securities will be separately transferable;
- in the case of Warrants to purchase Common Stock, the number or amount of shares of Common Stock purchasable upon the exercise of one Warrant and the price at which and currency in which these shares may be purchased upon such exercise;
- the manner of exercise of the Warrants, including any cashless exercise rights;
- the warrant agreement under which the Warrants will be issued, if any;
- · the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreement and the Warrants;
- anti-dilution provisions of the Warrants, if any;
- the terms of any rights to redeem or call the Warrants;
- any provisions for changes to or adjustments in the exercise price or number of securities issuable upon exercise of the Warrants;
- the dates on which the right to exercise the Warrants will commence and expire or, if the Warrants are not continuously exercisable during that period, the specific date or dates on which the Warrants will be exercisable;
- the manner in which the warrant agreement and Warrants may be modified;

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- the identities of the warrant agent and any calculation or other agent for the Warrants;
- federal income tax consequences of holding or exercising the Warrants;
- the terms of the securities issuable upon exercise of the Warrants;
- any securities exchange or quotation system on which the Warrants or any securities deliverable upon exercise of the Warrants may be listed or quoted; and
- any other specific terms, preferences, rights or limitations of or restrictions on the Warrants.

Before exercising their Warrants, holders of Warrants may not have any of the rights of holders of the securities purchasable upon such exercise, including, in the case of Warrants to purchase Common Stock, the right to receive dividends, if any, or, payments upon our liquidation, dissolution or winding up or to exercise voting rights, if any.

Exercise of Warrants

Each Warrant will entitle the holder to purchase the securities that we specify in the applicable prospectus supplement at the exercise price that we describe in the applicable prospectus supplement. Unless we otherwise specify in the applicable prospectus supplement, holders of the Warrants may exercise the warrants at any time up to 5:00 P.M. mountain time, the close of business, on the expiration date that we set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised Warrants will become void.

Holders of the Warrants may exercise the Warrants by delivering the warrant certificate representing the Warrants to be exercised together with specified information, and paying the required exercise price by the methods provided in the applicable prospectus supplement. We will set forth on the reverse side of the warrant certificate, and in the applicable prospectus supplement, the information that the holder of the Warrant will be required to deliver to the warrant agent.

Upon receipt of the required payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will issue and deliver the securities purchasable upon such exercise. If fewer than all of the Warrants represented by the warrant certificate are exercised, then we will, if required by the terms of the warrant, issue a new warrant certificate for the remaining amount of Warrants.

Enforceability of Rights By Holders of Warrants

Any warrant agent will act solely as our agent under the applicable warrant agreement and will not assume any obligation or relationship of agency or trust with any holder of any Warrant. A single bank or trust company may act as warrant agent for more than one issue of Warrants. A warrant agent will have no duty or responsibility in case of any default by us under the applicable warrant agreement or Warrant, including any duty or responsibility to initiate any proceedings at law or otherwise, or to make any demand upon us. Any holder of a Warrant may, without the consent of the related warrant agent or the holder of any other Warrant, enforce by appropriate legal action the holder's right to exercise, and receive the securities purchasable upon exercise of, its Warrants in accordance with their terms.

No warrant agreement will be qualified as an indenture, and no warrant agent will be required to qualify as a trustee, under the Trust Indenture Act. Therefore, holders of Warrants issued under a warrant agreement will not have the protection of the Trust Indenture Act with respect to their Warrants.

Governing Law

Unless we provide otherwise in the applicable prospectus supplement, each warrant agreement and any Warrants issued under the warrant agreements will be governed by Delaware law.

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DESCRIPTION OF UNITS

We may issue Units comprised of one or more of the other securities described in this prospectus or any prospectus supplement in any combination. Each Unit will be issued so that the holder of the unit is also the holder, with the rights and obligations of a holder, of each security included in the Unit. The unit agreement under which a Unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any times before a specified date or upon the occurrence of a specified event or occurrence.

The applicable prospectus supplement will describe:

- the designation and the terms of the Units and of the securities comprising the Units, including whether and under what circumstances those securities may be held or transferred separately;
- any unit agreement under which the Units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the Units or of the securities comprising the Units; and
- whether the Units will be issued in fully registered or global form.

PLAN OF DISTRIBUTION

General

We may offer and sell the securities on a continuous or delayed basis, separately or together: (a) to one or more underwriters or dealers; (b) through one or more agents; or (c) directly to one or more other purchasers. The securities offered pursuant to any prospectus supplement may be sold from time to time in one or more transactions at: (i) a fixed price or prices, which may be changed from time to time; (ii) market prices prevailing at the time of sale; (iii) prices related to such prevailing market prices; or (iv) other negotiated prices.

The distribution of securities may be effected, from time to time, in one or more transactions, including:

- block transactions (which may involve crosses) and transactions on The Nasdaq Capital Market or any other organized market where the securities may be traded;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its own account pursuant to a prospectus supplement or free writing prospectus;
- ordinary brokerage transactions and transactions in which a broker-dealer solicits purchasers;
- sales "at the market" to or through a market maker or into an existing trading market, on an exchange or otherwise; and
- sales in other ways not involving market makers or established trading markets, including direct sales to purchasers.

We may only offer and sell the securities pursuant to a prospectus supplement during the 36-month period that this prospectus, including any amendments hereto, remains effective. The prospectus supplement for any of the securities being offered thereby will set forth the terms of the offering of such securities, including the type of security being offered, the name or names of any underwriters, dealers or agents, the purchase price of such securities, the proceeds to us from such sale, any underwriting commissions or discounts and other items constituting underwriters' compensation and any discounts or concessions allowed or re-allowed or paid to dealers. Only underwriters so named in the prospectus supplement are deemed to be underwriters in connection with the securities offered thereby.

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By Underwriters

If underwriters are used in the sale, the securities will be acquired by the underwriters for their own account and may be resold from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. Unless otherwise set forth in the prospectus supplement relating thereto, the obligations of underwriters to purchase the securities will be subject to certain conditions, but the underwriters will be obligated to purchase all of the securities offered by the prospectus supplement if any of such securities are purchased. We may agree to pay the underwriters a fee or commission for various services relating to the offering of any securities. Any such fee or commission will be paid out of the proceeds of the offering or our general corporate funds.

By Dealers

If dealers are used, and if so specified in the applicable prospectus supplement, we will sell such securities to the dealers as principals. The dealers may then resell such securities to the public at varying prices to be determined by such dealers at the time of resale. Any public offering price and any discounts or concessions allowed or re-allowed or paid to dealers may be changed from time to time.

By Agents

The securities may also be sold through agents designated by us. Any agent involved will be named, and any fees or commissions payable by us to such agent will be set forth, in the applicable prospectus supplement. Any such fees or commissions will be paid out of the proceeds of the offering or our general corporate funds. Unless otherwise indicated in the prospectus supplement, any agent will be acting on a best efforts basis for the period of its appointment.

Direct Sales

Securities may also be sold directly by us at such prices and upon such terms as agreed to by us and the purchaser. In this case, no underwriters, dealers or agents would be involved in the offering.

General Information

Underwriters, dealers and agents that participate in the distribution of the securities offered by this prospectus may be deemed underwriters under the U.S. Securities Act, and any discounts or commissions they receive from us and any profit on their resale of the securities may be treated as underwriting discounts and commissions under the U.S. Securities Act.

With respect to the sale of securities under this prospectus and any prospectus supplement, No Financial Industry Regulatory Authority, Inc. ("FINRA") member firm may receive compensation in excess of that allowable under FINRA rules, including Rule 5110, in connection with the offering of the securities.

Underwriters, dealers or agents who participate in the distribution of securities may be entitled under agreements to be entered into with us to indemnification by us against certain liabilities, including liabilities under United States securities legislation, or to contribution with respect to payments which such underwriters, dealers or agents may be required to make in respect thereof. Such underwriters, dealers or agents may be customers of, engage in transactions with, or perform services for, us in the ordinary course of business.

We may enter into derivative transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with those derivatives, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions. If so, the third parties may use securities pledged by us or borrowed from us or others to settle those sales or to close out any related open borrowings of stock, and may use securities received from us in settlement of those derivatives to close out any related open borrowings of stock. The third parties in such sale transactions will be identified in the applicable prospectus supplement.

One or more firms, referred to as "remarketing firms," may also offer or sell the securities, if the prospectus supplement so indicates, in connection with a remarketing arrangement upon their purchase. Remarketing firms will act as principals for their own accounts or as agents for us. These remarketing firms will offer or sell the Securities in accordance with the terms of the securities. The prospectus supplement will identify any remarketing firm and the terms of its agreement, if any, with us and will describe the remarketing firm's compensation. Remarketing firms may be deemed to be underwriters in connection with the securities they remarket.

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To facilitate the public offering of a series of securities, persons participating in the offering may engage in transactions in accordance with Regulation M under the Exchange Act that stabilize, maintain, or otherwise affect the market price of the securities. This may include over-allotments or short sales of the securities, which involves the sale by persons participating in the offering of more securities than have been sold to them by us. In addition, those persons may stabilize or maintain the price of the securities by bidding for or purchasing securities in the open market or by imposing penalty bids, whereby selling concessions allowed to underwriters or dealers participating in any such offering may be reclaimed if securities sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of the securities at a level above that which might otherwise prevail in the open market. Such transactions, if commenced, may be discontinued at any securities. We make no representation or prediction as to the direction or magnitude of any effect that the transactions described above, if implemented, may have on the price of our securities.

Unless otherwise specified in the applicable prospectus supplement or free writing prospectus, any common stock sold pursuant to a prospectus supplement will be eligible for trading as listed on The NASDAQ Capital Market. Any underwriters who are qualified market makers to whom securities are sold by us for public offering and sale may make a market in the securities in accordance with Rule 103 of Regulation M, but such underwriters will not be obligated to do so and may discontinue any market making at any time without notice.

EXPERTS

The audited consolidated financial statements of Assure and its subsidiaries, as of and for the years ended December 31, 2021 and 2020 included in this prospectus have been so included in reliance upon the report of Baker Tilly US, LLP, independent registered public accountants, upon the authority of said firm as experts in accounting and auditing.

LEGAL MATTERS

The validity of the securities offered hereby have been passed upon for Assure by Dorsey & Whitney LLP.

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DOCUMENTS INCORPORATED BY REFERENCE

The SEC allows us to "incorporate by reference" information we file with the SEC. This means that we can disclose important information to you by referring you to those documents. Any information we reference in this manner is considered part of this prospectus. Information we file with the SEC after the date of this prospectus will automatically update and, to the extent inconsistent, supersede the information contained in this prospectus.

The following documents have been filed by us with the SEC, are specifically incorporated by reference into, and form an integral part of, this prospectus.

- (a) our Annual Report on Form 10-K for the fiscal year ended December 31, 2021, which report contains our audited consolidated financial statements and the notes thereto as of December 31, 2021 and 2020 and for the fiscal years ended December 31, 2021 and 2020, together with the auditors' report thereon and the related management's discussion and analysis of financial condition and results of operations for the fiscal years ended December 31, 2021 and 2020, as filed with the SEC on March 14, 2022;
- (b) our Quarterly Report on Form 10-Q for the three month period ended March 31, 2022, which report contains our unaudited condensed consolidated financial statements and the notes thereto as of March 31, 2022 and for the periods ended March 31, 2022 and 2021, and the related management's discussion and analysis of financial condition and results of operations for the periods ended March 31, 2022 and 2021, as filed with the SEC on May 16, 2022;
- (c) Our Current Reports on Form 8-K as filed with the SEC on April 20, 2022 and July 6, 2022;
- (d) The description of the common stock contained in the registration statement on Form 8-A of the Company filed with the SEC on September 7, 2021, including any amendment or report filed for purposes of updating such description; and

(e) all other documents filed by us with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (excluding, unless otherwise provided therein or herein, information furnished pursuant to Item 2.02 and Item 7.01 on any Current Report on Form 8-K), after the date of this prospectus but before the end of the offering of the securities made by this prospectus.

We also hereby specifically incorporate by reference all filings by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the filing of the initial registration statement on Form S-3 to which this prospectus relates and prior to effectiveness of such registration statement.

You may obtain copies of any of these documents by contacting us at the address and telephone number indicated below or by contacting the SEC as described below. You may request a copy of these documents, and any exhibits that have specifically been incorporated by reference as an exhibit in this prospectus, at no cost, by writing or telephoning to:

ASSURE HOLDINGS CORP. 7887 East Belleview Avenue, Suite 500 Greenwood Village, Colorado 80111 Attention: Corporate Secretary Telephone: (720) 287-3093

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WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act relating to the offering of these securities. The registration statement, including the attached exhibits and schedules, contains additional relevant information about us and the securities. This prospectus does not contain all of the information set forth in the registration statement and the exhibits and schedules thereto. For further information respecting our company and the shares offered by this prospectus, you should refer to the registration statement, including the exhibits and schedules thereto.

We file annual, quarterly and other reports, proxy statements and other information with the SEC. Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K, including any amendments to those reports, and other information that we file with or furnish to the SEC pursuant to Section 13(a) or 15(d) of the Exchange Act can be accessed free of charge through the Internet. The SEC maintains an Internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC at http://www.sec.gov. You may access the registration statement, of which this prospectus is a part, and the documents incorporated by reference herein, at the SEC's Internet site. You may also access these documents at the Company's website at www.assureneuromonitoring.com.

For further information about Assure, please visit our main corporate website located at www.assureneuromonitoring.com, or our Assure's profile on www.sedar.com ("SEDAR") or www.sec.gov. Information contained on these websites is not a part of this prospectus.

You should rely only on the information contained in this prospectus. We have not authorized anyone to provide you with different information. Therefore, if anyone gives you different or additional information, you should not rely on it. The information contained in this prospectus is correct as of its date. It may not continue to be correct after this date.

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PROSPECTUS



ASSURE HOLDINGS CORP.

\$100,000,000 Common Stock Warrants Units

August , 2022

ITEM 14- OTHER EXPENSES OF ISSUANCE AND DISTRIBUTION

	Amount	
Securities and Exchange Commission Registration Fee	\$ 9,270	
Legal Fees and Expenses	\$ 15,000	
Accounting Fees and Expenses	\$ 15,000	
Printing and Engraving Expenses	\$ 0	
Miscellaneous Expenses	\$ 0	
Total	\$ 39,270	

ITEM 15- INDEMNIFICATION OF DIRECTORS AND OFFICERS

The NRS empower us to indemnify our directors and officers against expenses relating to certain actions, suits or proceedings as provided for therein. In order for such indemnification to be available, the applicable director or officer must not have acted in a manner that constituted a breach of his or her fiduciary duties and involved intentional misconduct, fraud or a knowing violation of law, or must have acted in good faith and reasonably believed that his or her conduct was in, or not opposed to, our best interests. In the event of a criminal action, the applicable director or officer must not have had reasonable cause to believe his or her conduct was unlawful.

Pursuant to our articles, we may indemnify each of our present and future directors, officers, employees or agents who becomes a party or is threatened to be made a party to any suit or proceeding, whether pending, completed or merely threatened, and whether said suit or proceeding is civil, criminal, administrative, investigative, or otherwise, except an action by or in the right of the Company, by reason of the fact that he is or was a director, officer, employee, or agent of the Company, or is or was serving at the request of the Company as a director, officer, employee, or agent of another corporation, partnership, joint venture, trust, or other enterprise, against expenses, including, but not limited to, attorneys' fees, judgments, fines, and amounts paid in settlement actually and reasonably incurred by him in connection with the action, suit, proceeding or settlement, provided such person acted in good faith and in a manner which he reasonably believed to be in or not opposed to the best interest of the Company, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful.

The expenses of directors, officers, employees or agents of the Company incurred in defending a civil or criminal action, suit, or proceeding may be paid by the Company as they are incurred and in advance of the final disposition of the action, suit, or proceeding, if and only if the director, officer, employee or agent undertakes to repay said expenses to the Company if it is ultimately determined by a court of competent jurisdiction, after exhaustion of all appeals therefrom, that he is not entitled to be indemnified by the corporation.

No indemnification shall be applied, and any advancement of expenses to or on behalf of any director, officer, employee or agent must be returned to the Company, if a final adjudication establishes that the person's acts or omissions involved a breach of any fiduciary duties, where applicable, intentional misconduct, fraud or a knowing violation of the law which was material to the cause of action.

The NRS further provides that a corporation may purchase and maintain insurance or make other financial arrangements on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise for any liability asserted against him and liability and expenses incurred by him in his capacity as a director, officer, employee or agent, or arising out of his status as such, whether or not the corporation has the authority to indemnify him against such liability and expenses. We have secured a directors' and officers' liability insurance policy. We expect that we will continue to maintain such a policy.

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ITEM 16- EXHIBITS

(a) Exhibits.

See the Exhibit Index.

(b) Financial Statement Schedules.

None.

(c) Reports, Opinions and Appraisals.

None.

ITEM 17- UNDERTAKINGS

The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that the undertakings set forth in paragraphs (1)(i), (1)(ii) and (1)(iii) above do not apply if the registration statement is on Form S-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statements or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
 - (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
 - (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:
 - (i) If the registrant is relying on Rule 430B (§230.430B of this chapter):
 - (A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

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- (B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement immediately prior to such effective date.
- (ii) If the registrant is subject to Rule 430C, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.
- (5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities: The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
 - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
 - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

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- (c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.
 - (d) The undersigned registrant hereby undertakes that:
 - (1) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.
 - (2) For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

SIGNATURES

In accordance with the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all the requirements of filing on Form S-3 and has authorized this registration statement to be signed on its behalf by the undersigned, in the city of Denver, Colorado on August 9, 2022.

ASSURE HOLDINGS CORP.

By: /s/ John Farlinger

Name: John Farlinger

Title: Executive Chairperson and Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints John Farlinger as his or her true and lawful attorney-in-fact, with full power of substitution and resubstitution for him or her and in his or her name, place and stead, in any and all capacities to sign any and all amendments including post-effective amendments to this registration statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the SEC, hereby ratifying and confirming all that said attorney-in-fact or his or her substitute, each acting alone, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ John Farlinger John Farlinger	Executive Chairperson and Chief Executive Officer (Principal Executive Officer)	August 9, 2022
/s/ John Price John Price	Chief Financial Officer and Principal Accounting Officer (Principal Financial and Accounting Officer)	August 9, 2022
/s/ Preston Parsons Preston Parsons	Director	August 9, 2022
/s/ Martin Burian Martin Burian	Director	August 9, 2022
/s/ Christopher Rumana Christopher Rumana	Director	August 9, 2022
/s/ Steven Summer Steven Summer	Director	August 9, 2022
/s/ John Flood John Flood	Director	August 9, 2022
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EXHIBIT INDEX

Exhibit								
Number	Description							
1.1**	Form of Underwriting Agreement							
<u>3.1</u>	Articles of Incorporation of Montreux Capital Corp. dated May 15, 2017 (incorporated by referenced to Exhibit 3.1 to the Company's Form S-1 filed with the							
	SEC on December 30, 2020)							
<u>3.2</u>	Articles of Domestication (from British Columbia to State of Nevada) dated May 15, 2017 (incorporated by referenced to Exhibit 3.2 to the Company's Form S-							
	1 filed with the SEC on December 30, 2020)							
3.3	Certificate of Amendment to Articles of Incorporation (Name Change) of Montreux Capital Corp. dated May 17, 2017 (incorporated by referenced to Exhibit							
	3.3 to the Company's Form S-1 filed with the SEC on December 30, 2020)							
<u>3.4</u>	Bylaws of Assure Holdings Corp. (incorporated by referenced to Exhibit 3.4 to the Company's Form S-1 filed with the SEC on December 30, 2020)							
3.5	Certificate of Change (incorporated by reference to Exhibit 3.1 to the Company's Form 8-K filed with the SEC on September 3, 2021)							
3.4 3.5 3.6 3.7 3.8	Amendment No.1 to the Bylaws (incorporated by referenced to Exhibit 3.2 to the Company's Form 8-K filed with the SEC on September 3, 2021)							
<u>3.7</u>	Amendment No. 2 to the Bylaws (incorporated by reference to Exhibit 3.1 to the Company's Form 8-K filed with the SEC on November 9, 2021)							
<u>3.8</u>	Amended and Restated Bylaws of Assure Holdings Corp. (incorporated by reference to Exhibit 3.8 to the Company's 10-Q filed with the SEC on November 15,							
	2021)							
<u>3.9</u>	Amended Articles of Incorporation of Assure Holdings Corp. (incorporated by reference to Exhibit 3.9 to the Company's 10-Q filed with the SEC on November							
	15, 2021)							
4.1**	Form of Warrant Agreement							
4.2**	Form of Warrant Certificate							
4.3**	Form of Unit Agreement							
5.1*	Opinion of Dorsey & Whitney LLP							
21.1	Subsidiaries of the Company (incorporated by referenced to Exhibit 21.1 to the Company's Form S-1 filed with the SEC on December 30, 2020)							
23.1 *	Consent of Dorsey & Whitney LLP (included in Exhibit 5.1)							
23.2 *	Consent of Baker Tilly US, LLP							
5.1* 21.1 23.1 * 23.2 * 24.1 *	Power of Attorney (included on signature page)							
107 *	Filing Fees Table							

^{*} Filed herewith.

**	* To be filed as an exhibit to a Current Report of the registrant on Form 8-K or other document to be incorporated by reference.								
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[DORSEY & WHITNEY LLP LETTERHEAD]

August 9, 2022

Assure Holdings Corp. 7887 East Belleview Avenue, Suite 500 Greenwood Village, Colorado 80111 Denver, CO 80202

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as counsel to Assure Holdings Corp., a Nevada corporation (the "Company"), with respect to their filing on August 9, 2022, with the Securities and Exchange Commission of a registration statement on Form S-3 (the "Registration Statement") under the Securities Act of 1933, as amended (the "Securities Act"), relating to the offer and sale by the Company from time to time of shares of its common stock, par value \$0.001 per share (the "Common Stock"); warrants to purchase Common Stock (the "Warrants"), or any combination thereof ("Units"), for an aggregate initial offering price of up to \$100,000,000 (or the equivalent in foreign currencies, currency units or composite currencies). The Common Stock, Warrants and Units are herein collectively referred to as the "Securities."

For purposes of the opinions set forth below, we have examined the following:

- (a) the Certificate of Incorporation of the Company (the "Certificate of Incorporation");
- (b) the Bylaws of the Company (the "Bylaws"); and
- (c) the Registration Statement, including the prospectus included therein (the "Prospectus"), which provides that it will be supplemented in the future by one or more supplements to the Prospectus (each a "Prospectus Supplement").

We have also examined such other documents and have reviewed such questions of law as we have considered necessary and appropriate for the purposes of our opinions set forth below. In rendering our opinions set forth below, we have assumed the authenticity of all documents submitted to us as originals, the genuineness of all signatures and the conformity to authentic originals of all documents submitted to us as copies. We have also assumed the legal capacity for all purposes relevant hereto of all natural persons and, with respect to all parties to agreements or instruments relevant hereto other than the Company, that such parties had the requisite power and authority (corporate or otherwise) to execute, deliver and perform such agreements or instruments, that such agreements or instruments have been duly authorized by all requisite action (corporate or otherwise), executed and delivered by such parties and that such agreements or instruments are the valid, binding and enforceable obligations of such parties. As to questions of fact material to our opinions, we have relied upon certificates of officers of the Company and of public officials.

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Based on the foregoing, we are of the opinion that:

- Assuming (i) the Registration Statement and any amendments thereto (including any post-effective amendments) will have become effective and no stop order suspending the Registration Statement's effectiveness will have been issued and remain in effect, in each case, at the time the Common Stock is offered or issued as contemplated by the Registration Statement, the Prospectus and the related Prospectus Supplement; (ii) the issuance (including the execution, delivery and performance thereof) and terms of the Common Stock and the terms of the offering and sale thereof have been duly authorized by the Board of Directors of the Company (the "Board"); (iii) the terms of the Common Stock and its issuance and sale will have been duly established in conformity with the Certificate of Incorporation of the Company and so as not to violate any applicable law or result in a default under or breach of any agreement or instrument binding on the Company and so as to comply with any requirements or restrictions imposed by any court or governmental body having jurisdiction over the Company; (iv) the Common Stock has been issued and sold as contemplated in the Registration Statement, the Prospectus and the related Prospectus Supplement or any applicable underwriting or purchase agreement relating thereto; and (v) the Company has received the consideration therefor as contemplated in the Registration Statement, the Prospectus and the related Prospectus Supplement or any applicable underwriting or purchase agreement or form of Warrant relating thereto, then such Common Stock (including any Common Stock issuable upon exercise of any Warrants) will be validly issued, fully paid and nonassessable.
- (b) Assuming (i) the Registration Statement and any amendments thereto (including any post-effective amendments) will have become effective and no stop order suspending the Registration Statement's effectiveness will have been issued and remain in effect, in each case, at the time the Warrants are offered or issued as contemplated by the Registration Statement, the Prospectus and the related Prospectus Supplement; (ii) the issuance (including the execution, delivery and performance thereof) and terms of any Warrants and the terms of the offering thereof have been duly authorized by the Board; (iii) the terms of such Warrants to be issued under any warrant agreement and/or warrant certificate, as applicable, and the terms of the offering and sale thereof have been duly authorized by the Board; (iv) the terms of such Warrants and their issuance and sale will have been duly established in conformity with any such warrant agreement and/or warrant certificate and so as not to violate any applicable law or result in a default under or breach of any agreement or instrument binding on the Company and so as to comply with any requirements or restrictions imposed by any court or governmental body having jurisdiction over the Company; and (v) such Warrants have been duly executed in accordance with any such warrant agreement and/or warrant certificate and issued and sold as contemplated in the Registration Statement, the Prospectus and the related Prospectus Supplement or any applicable underwriting or purchase agreement relating thereto; and (vi) the Company has received the consideration therefor, then such Warrants (including any Warrants issuable upon conversion, exercise or exchange of any Securities) will constitute binding obligations of the Company.

(d) Assuming (i) the Registration Statement and any amendments thereto (including any post-effective amendments) will have become effective and no stop order suspending the Registration Statement's effectiveness will have been issued and remain in effect, in each case, at the time the Units are offered or issued as contemplated by the Registration Statement, the Prospectus and the related Prospectus Supplement; (ii) the issuance (including the execution, delivery and performance thereof) and terms of any Units and the terms of the offering thereof have been duly authorized by the Board; (iii) the terms of such Units to be issued under any unit agreement and/or unit certificate, as applicable, and the terms of the offering and sale thereof have been duly authorized by the Board; (iv) the terms of such Units and their issuance and sale will have been duly established in conformity with any such unit agreement and/or unit certificate and so as not to violate any applicable law or result in a default under or breach of any agreement or instrument binding on the Company and so as to comply with any requirements or restrictions imposed by any court or governmental body having jurisdiction over the Company; and (v) such Units have been duly executed in accordance with any such unit agreement and/or unit certificate and issued and sold as contemplated in the Registration Statement, the Prospectus and the related Prospectus Supplement or any applicable underwriting or purchase agreement relating thereto; and (vi) the Company has received the consideration therefor, then such Units (including any Units issuable upon exercise of any Warrants) will constitute binding obligations of the Company.

The opinions set forth above are subject to the following qualification and exceptions:

- (I) Our opinions stated above are subject to the effect of any applicable bankruptcy, insolvency (including, without limitation, all laws relating to fraudulent transfers), reorganization, moratorium or other similar laws of general application affecting creditors' rights.
- (II) Our opinions stated above are subject to the effect of general principles of equity, including, without limitation, concepts of materiality, reasonableness, good faith and fair dealing, and other similar doctrines affecting the enforceability of agreements generally (regardless of whether enforcement is considered in a proceeding in equity or at law).
- (III) In rendering the opinions set forth above, we have assumed that, at the time of the authentication and delivery of a series of Securities, (i) the applicable resolutions referred to above will not have been modified or rescinded, (ii) there will not have occurred any change in the law affecting the authorization, execution, delivery, validity or enforceability of the Securities, the Registration Statement and any required post-effective amendment thereto, (iii) the Registration Statement, the Prospectus and any and all Prospectus Supplements required by applicable law have all become effective under the Securities Act, and will be effective at such time, (iv) such Securities will be issued and sold with such terms and in such manner as is described in the Registration Statement (as amended from time to time), the Prospectus included therein (as amended from time to time) and any related Prospectus Supplement and in compliance with the Securities Act, the rules and regulations thereunder, and any applicable state securities laws, all as then in effect, (v) none of the particular terms of a series of Securities will violate any applicable law, (vi) neither the issuance and sale of such Securities nor the compliance by the Company with the terms thereof will result in a violation of the Certificate of Incorporation or Bylaws of the Company as then in effect, any agreement or instrument then binding upon the Company or any order then in effect of any court or governmental body having jurisdiction over the Company, (vii) with respect to the issuance of Common Stock, the Company has a sufficient number of Common Stock authorized under its Certificate of Incorporation as then in effect, (viii) at the time of issuance of the Securities, the Company validly exists and is duly qualified and in good standing under the laws of its jurisdiction of incorporation, and has the necessary corporate power for such issuance, (ix) if the Securities are to be sold or otherwise distributed pursuant to a firm commitment underwritten offering, the underwriting agreement with respect to the Securities has been duly authorized, executed and delivered by the Company and the other parties thereto, and (x) with respect to the issuance of any Warrants that are exercisable for Common Stock, the Company has a sufficient number of Common Stock issuable on exercise authorized under its Certificate of Incorporation as then in effect.

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- (IV) We express no opinion as to the enforceability of (i) provisions that relate to choice of law, (ii) waivers by the Company of any statutory or constitutional rights or remedies or (iii) terms which excuse any person or entity from liability for, or require the Company to indemnify such person or entity against, such person's or entity's negligence or willful misconduct.
- (V) We draw your attention to the fact that, under certain circumstances, the enforceability of terms to the effect that provisions may not be waived or modified except in writing may be limited.

Our opinions expressed above are limited to the General Corporation Law of the State of Delaware.

We hereby consent to your filing of this opinion as an exhibit to the Registration Statement and to the reference to our firm under the caption "Legal Matters" contained in the Prospectus.

Sincerely,

/s/ DORSEY & WHITNEY LLP

JKB/AWE



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Consent of Independent Registered Public Accounting Firm

We consent to the use in this Registration Statement on Form S-3 filed on August 9, 2022 of Assure Holdings Corp. of our report dated March 11, 2022 relating to the consolidated financial statements of Assure Holdings Corp., incorporated by reference in the Prospectus, which is part of this Registration Statement.

We also consent to the reference to our firm under the heading "Experts".

Baker Tilly US, LLP

BAKER TILLY US, LLP

Irvine, California August 9, 2022

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Calculation of Filing Fee Tables

Form S-3 (Form Type)

Assure Holdings Corp.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered	Proposed Maximum Offering Price Per Share	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	effective	to be
 	1		I		inewiy f	registered securities			1			
Fees to Be Paid	Equity	Common Stock, par value \$0.0001 per share	457(o)	(1)	(2)							
	Other	Warrants	457(o)	(1)	(2)							
	Other	Units	457(o)	(1)	(2)							
	Unallocated (Universal) Shelf	_	457(o)	(1)	(2)	\$100,000,000(2)	\$0.0000927	\$9,270(3)				
Fees Previously Paid	_	_	_	_		_		_				
					Carry	Forward Securities						
Carry Forward Securities	_	_		_				_	_	_		_
	Total Offering Amounts				\$100,000,000		\$9,270					
	Total Fees Previously Paid							_				
	Total Fee Offsets							_				
Net Fees Due					-		\$9,270		•			

- (1) There are being registered hereunder such indeterminate number of shares of common stock, such indeterminate number of warrants to purchase common stock and such indeterminate number of units consisting of common stock and/or warrants as shall have an aggregate initial offering price not to exceed \$100,000,000. The securities registered also include such indeterminate amount of all securities previously issued hereunder. The securities registered also include such indeterminate number of shares of common stock as may be issued upon exercise of or upon conversion of warrants or pursuant to the antidilution provisions of any such securities. In addition, pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), the shares being registered hereunder include such indeterminate number of shares of common stock as may be issuable with respect to the shares being registered hereunder as a result of stock splits, stock dividends or similar transactions.
- (2) The proposed maximum aggregate offering price per class of security will be determined from time to time by the registrant in connection with the issuance by the registrant of the securities registered hereunder and is not specified as to each class of security pursuant to Instruction 2.A.iii.b. to the Calculation of Filing Fee Tables and Related Disclosure on Item 16(b) of Form S-3 under the Securities Act.
- (3) Calculated pursuant to Rule 457(o) under the Securities Act based on the maximum aggregate offering price.