

 safeMedicate
PROSPECTUS
2026

Be competent, be safe

There is no room for error with drug calculations.
Develop and assess your skills with the world's
leading resource for healthcare students and
practitioners.

Introduction

The only way
to do great work
is to love
what you do.

The safeMedicate® suite of medication dosage calculation problem-solving environments was launched in 2004 by UK based company Authentic World Ltd. Our mission is to improve patient safety by reducing medication error through high quality education and innovative software solutions.

Our safeMedicate® product and services portfolio is founded upon a series of innovative educational software applications derived from over 30 years of PhD and post-doctorate translational research. All products are web-based and capable of standalone use or of seamless integration with existing learning management systems.

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OUR COMPANY

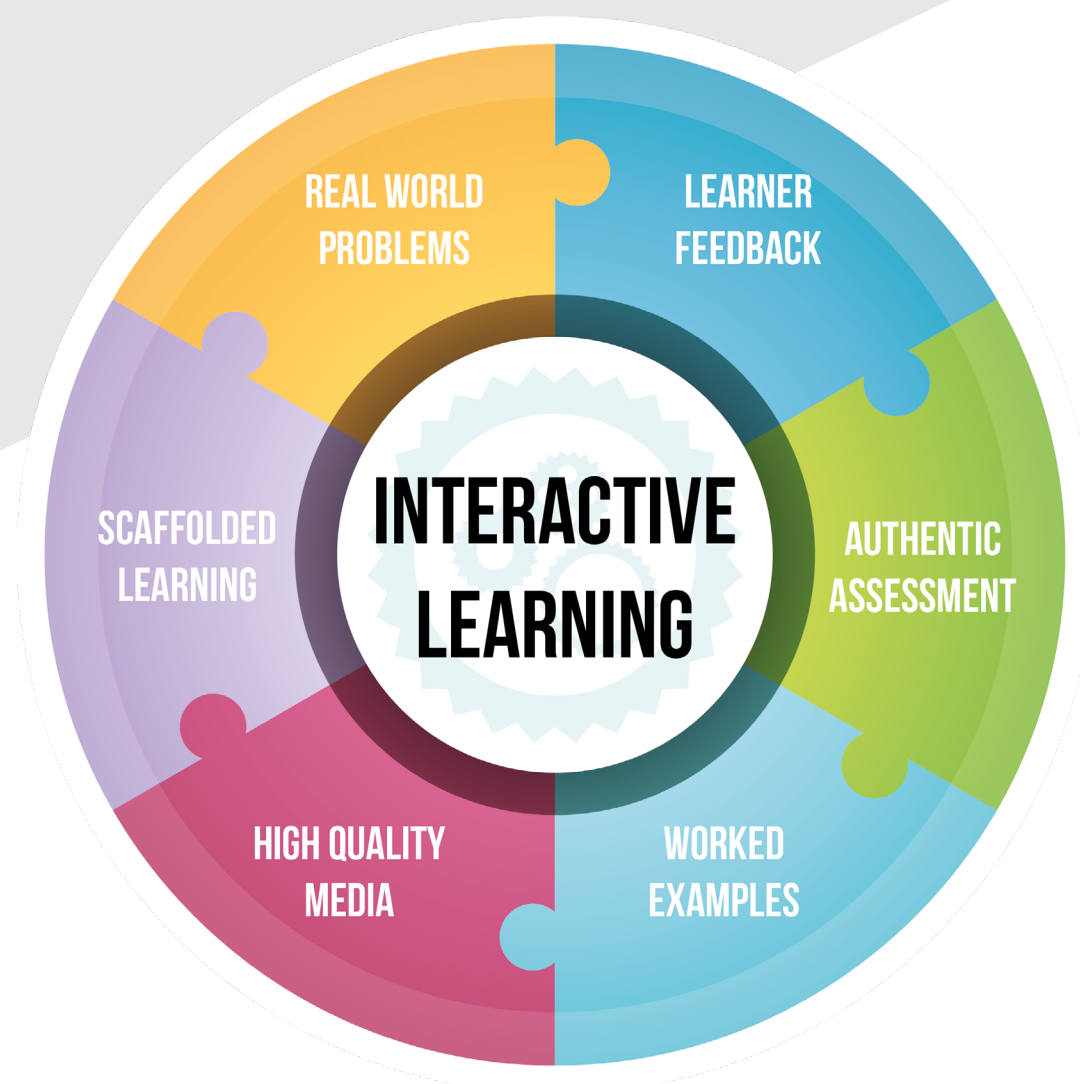
In 2026, safeMedicate® is used by higher education institutions and healthcare systems in 12 countries across five continents and is informing the competence development and assessment of over a quarter of million healthcare students and practitioners across the globe.



Our Products

safeMedicate® learning environments aim to guide users through an experiential learning process that effectively bridges the gap between theory and practice.

Based upon constructivist theories of learning, this unique approach provides a platform for learning that is proven to be highly effective in assisting the development of key problem solving skills.

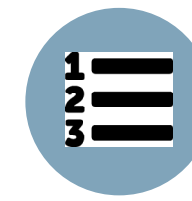


DISTINGUISHING FEATURES



EXPOSURE TO REAL WORLD PROBLEMS

Presentation of authentic dosage calculation problems as they exist in real world environments



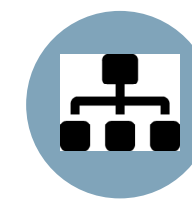
UNIQUE COMPETENCE MODEL

A 3-phase model that sits at the heart of dosage calculation competence development and assessment



HIGH QUALITY MEDIA

Authentic visual representations of what learners will see and use in practice



SCAFFOLDED LEARNING

Use of innovative techniques that support the systematic construction of competence in dosage calculation



WORKED EXAMPLES

Step-by-step walk-through that illustrate expert dosage calculation problem solving techniques that support a range of learning styles



AUTHENTIC ASSESSMENT

Diagnostic assessment of learner dosage calculation competence in a 'real world' context



INTERACTIVE LEARNING

Use of immersive techniques that encourage active learner engagement with authentic features of clinical dosage calculation problems



LEARNER FEEDBACK

Evaluation of learner performance, measured against expert problem solving models that facilitates rapid diagnosis of competence and identification & correction of errors.

Developing Competence Through Research-Based Evidence

SAFETY IN NUMBERS



Clinical drug dosage calculation problems need to be learned and assessed under conditions where the mathematics in the real world is messy and complex, highly embedded and often hidden or invisible (Tout, 2014). safeMedicate virtual environments are designed to immerse the learner and practitioner at the interface of the authentic and complex world of drug dosage calculation problem-solving and the abstract world of healthcare mathematics. The safeMedicate authentic competence model and suite of programs, is underpinned over a 30 year programme of translational research, reported in 2013 by Elsevier in an eight-paper Safety in Numbers virtual special issue of Nurse Education in Practice. The series is available online [here](#). To date over 3,000,000 safeMedicate authentic assessments have been undertaken across the globe and are contributing to advancing patient safety via evidenced based education, error diagnosis and competence development.

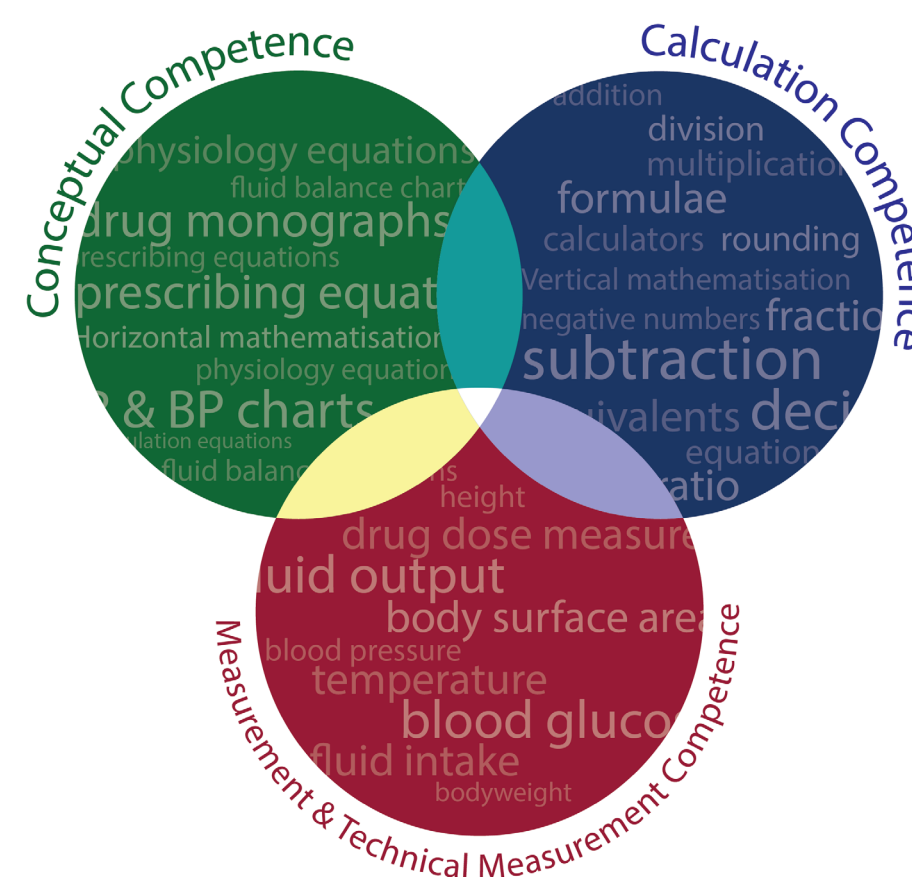
THE SAFEMEDICATE COMPETENCE MODEL

Every healthcare professional with responsibility for medication administration must develop, demonstrate and maintain competence within this domain of clinical practice.

Competence in medication dosage calculation problem solving is dependent upon three interrelated sub-elements:

1. Conceptual competence – understanding the problem in context.
2. Calculation competence – accurately calculating dosage and rate numerical values and measurement units.
3. Technical measurement competence – transferring the numerical values to a medication measurement vehicle e.g., syringe or IV pump.

Our software provides a unique and innovative environment for developing and assessing cognitive competence (knowledge) in an authentic virtual clinical context. It also sensitizes and prepares the user for the general principles underpinning the functional competence (know-how and skills) requirements of dosage calculation problem solving in clinical practice.



Typical Student Pathway

fns healthcare numeracy assessment hna

Formative Healthcare Numeracy Assessment

Typically undertaken:

- On entry to pre-registration programmes, to provide a baseline fingerprint of capability in 20 core mathematics skills, and
- Throughout the pre-registration programme, to evaluate developing competence in applied healthcare numeracy skills.

fns bodyweight & body surface area calculations as

Competence development in bodyweight and body surface area (BSA) based dose calculations.

fns fundamental prescribing & practical dosing calculations pdc

Competence development in preparation for accurately completing and routinely checking calculations relevant to prescribing and practical dosing.

fns essential skills es

Competence development in tablet and capsule, oral liquid medicine, injection and IV infusions of crystalloid solutions and blood and blood product dose calculation skills.

fns injectable medicines therapy as

Competence development in slow IV injection, intermittent infusion and continuous infusion medicine dose calculations and problem solving.

fns healthcare numeracy assessment hna

Summative Healthcare Numeracy Assessment

Undertaken by the point of registration or licensure, to provide a healthcare numeracy competence fingerprint in 20 core healthcare numeracy skills underpinning and informing nursing science and safe professional nursing practice.

Typical Assessment Points



Authentic Diagnostic Assessment (ADA) used to evaluate conceptual, calculation and measurement/technical measurement competence development and the diagnosis and rectification of errors.

Authentic Assessment (AA) used to evaluate dosage calculation problem-solving competence under virtual simulated clinical conditions

Typical Practitioner Pathway

fns bodyweight & body surface area calculations as

Competence development in bodyweight and body surface area (BSA) based dose calculations.

fns fundamental prescribing & practical dosing calculations pdc

Competence development in preparation for accurately completing and routinely checking calculations relevant to prescribing and practical dosing.

fns essential skills es

Competence development in tablet and capsule, oral liquid medicine, injection and IV infusions of crystalloid solutions and blood and blood product dose calculation skills.

fns injectable medicines therapy as

Competence development in slow IV injection, intermittent infusion and continuous infusion medicine dose calculations and problem solving.

Typical Assessment Points



Authentic Assessment (AA) used to evaluate dosage calculation problem-solving competence under virtual simulated clinical conditions.



Authentic Diagnostic Assessment (ADA) used to evaluate conceptual, calculation and measurement/technical measurement competence development and the diagnosis and rectification of errors.



Module learning zones used when support is required to advance competence or to rectify errors diagnosed during ADA and AA assessments.

Our Team



UK TEAM



Norman Woolley
Founding Director & CEO

Norman is a nursing and computing masters graduate. He has 40 years experience in the healthcare sector and 25 years software design and development experience in both academic and commercial environments.



Keith Weeks
Founding Director & CRDO

Keith is a Professor of Healthcare Numeracy and Education, who has circa 40 years of experience in the healthcare sector. His PhD in authentic virtual learning environment development underpins the design of the international safeMedicate suite of programs.



Matt Brown
Associate Director - Technical Systems Development

Matt is a Graphic Design graduate who joined Authentic World Ltd in 2004. He works closely with the UK and US teams to develop new, innovative solutions to enhance the scope and effectiveness of safeMedicate.



Andrew Smith
Associate Director - Special Projects

Andrew is a computing graduate who holds a BSc (Hons) in Computer Science from the University of South Wales. He joined Authentic World Ltd in 2012 as a member of the software development team.



Alex Weeks
Associate Director - Mathematical Modelling & Translational Research

Alex is a mathematics graduate, that leads on the research, design and development of the mathematical models that underpin the design of the International Healthcare Numeracy and safeMedicate Future Nurse Suite of programs.



Kirsty Weeks
Associate Director of Marketing

Kirsty is a marketing graduate who holds a BA (Hons) in Promotion and Marketing. Her passion for promotion and marketing covers all aspects such as photography, styling, film, creative direction, magazine design, and social media. Kirsty joined Authentic World Ltd in 2017 as a member of the marketing team.



Samantha Woolley
Associate Director - Customer Success

Sam is a science graduate who holds a BSc (Hons) in Forensic Biology from the University of South Wales. With six years experience in customer service and two years working in a toxicology laboratory, Sam joined Authentic World Ltd in 2020 as a member of the Customer Success team.

Our Team



INTERNATIONAL TEAM

safeMedicate is distributed exclusively in North America and Canada by simMedicate, Inc.



Jody Hamm
President and CEO

Jody holds an MBA and has worked with the program since 2010. Beginning in 2015, when Jody formed the simMedicate distributorship, she has been travelling across the continent promoting safeMedicate.



Larry Hamm, PhD
Marketing Executive

Larry is the former Director of Education and Training for Medical Education Technologies, Inc., where, in 2008, he first became involved with safeMedicate. He currently handles Administrative and Marketing responsibilities associated with the North American distributorship.



Doniele Russell
Vice-President

Doniele Russell has a BS in Geography and a BS in Environmental Planning from Slippery Rock University. After 20 years of community service as a Deputy Planner, she joined the safeMedicate team in 2020.

Global Highlights

safeMedicate is the market leading resource for healthcare students and practitioners worldwide.



ASSESSMENTS TAKEN

+8.4 MIL

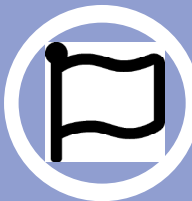
Over 8.4 million assessments have been taken.



USERS

+615,000

Over 615,000 users worldwide are using the safeMedicate suite of programs.



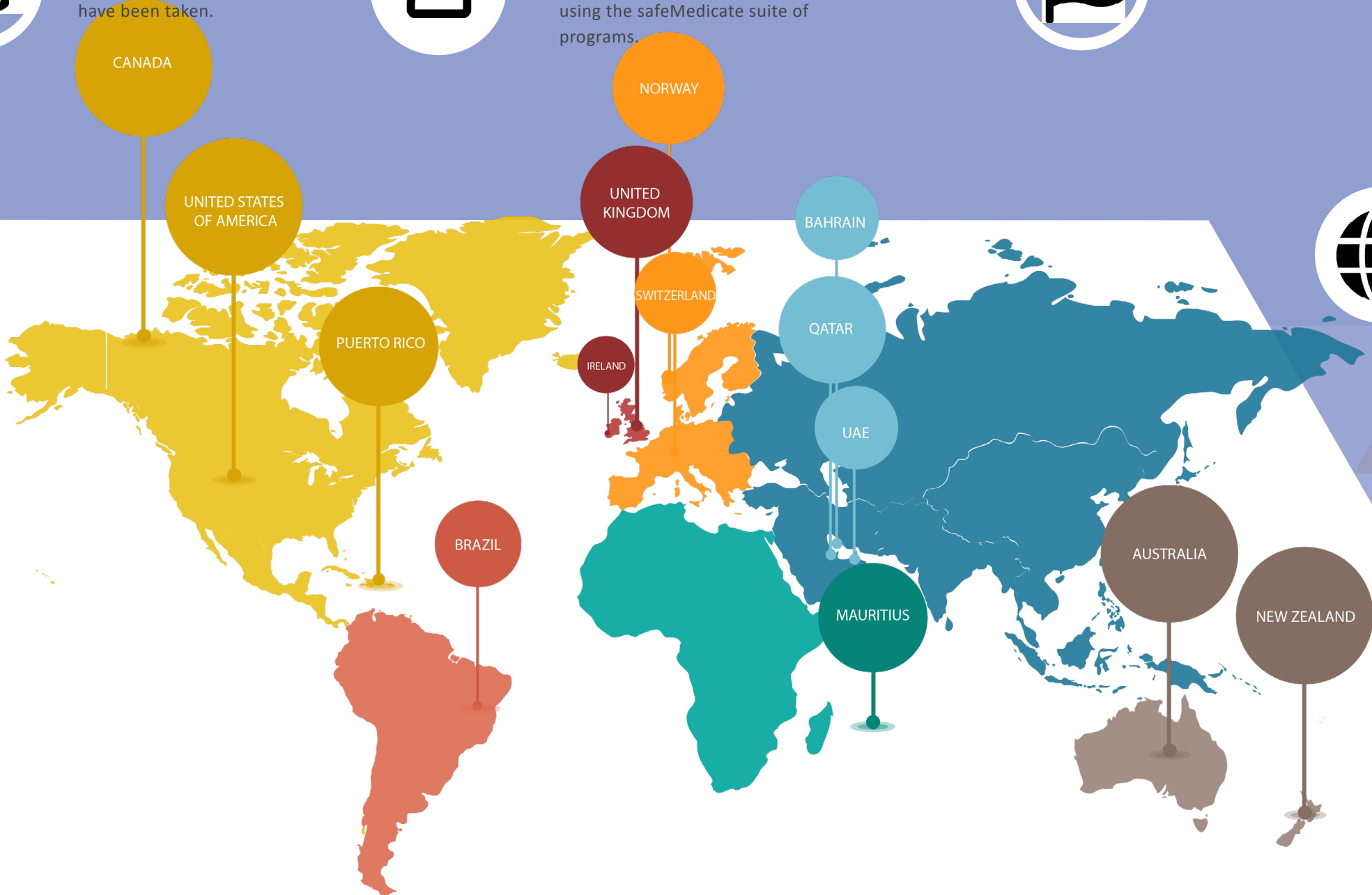
COUNTRIES

safeMedicate is being used across the globe in 12 countries.



CONTINENTS

safeMedicate is being used across 5 continents.



Our Modules

safeMedicate® learning and assessment environments aim to guide users through an experiential learning process that effectively bridges the gap between theory and practice.



HEALTHCARE NUMERACY ASSESSMENT

Our Healthcare Numeracy Assessment is designed to develop and assess the 20 core areas of health numeracy that underpin and inform the safe practice of the Future Nurse proficiencies.



ESSENTIAL SKILLS

This module requires demonstration of conceptual, calculation and technical measurement competence in tablet/capsule, oral liquid medicine, injection and IV infusion of crystalloid/colloid/blood product preparations and modes of administration.



BODYWEIGHT & BODY SURFACE AREA

Designed to develop and assess the competencies required for safe medication practice on both adult and child patient populations and will require the student to factor either bodyweight or body surface area (BSA) into the problem-solving process.



INJECTABLE MEDICINES THERAPY

Designed to develop and assess the competencies required for safe medication practice with the more complex problem solving and calculations associated with injectable medicine therapies involving IV bolus dose and intermittent and continuous infusion modes of administration.



PRESCRIBING & PRACTICAL DOSING CALCULATIONS

Designed to provide an overview of the stages of the prescribing consultation and governance process in primary and secondary healthcare settings with a key focus on the core calculations required to generate an accurate prescription.



SAFEHANDS

Assess your learners' capability to develop the mathematics and healthcare numeracy skills required to meet programme outcomes.



SAFEGUARD

Provide learners with a comprehensive understanding of the 6 rights of safe medicines management and their importance in maintaining patient safety throughout the medicines management processes.



Assess your learners' capability to develop the mathematics and healthcare numeracy skills required to meet programme outcomes and support them in continuously developing their abilities in numeracy throughout their studies.



safeHANDS is informed by over 30 years of research and extends the scope of our existing and widely used Foundation Numeracy Assessment (FNA) and Healthcare Numeracy Assessment (HNA) modules. It incorporates 20 core areas of mathematics and healthcare numeracy that underpin and inform the safe practice of a wide range of nursing proficiencies and clinical procedures.

safeHANDS makes it easy to assess your learners' capability to develop the mathematics and healthcare numeracy skills required to meet programme outcomes and provides a platform to support them in continuously developing their abilities in numeracy throughout their studies.





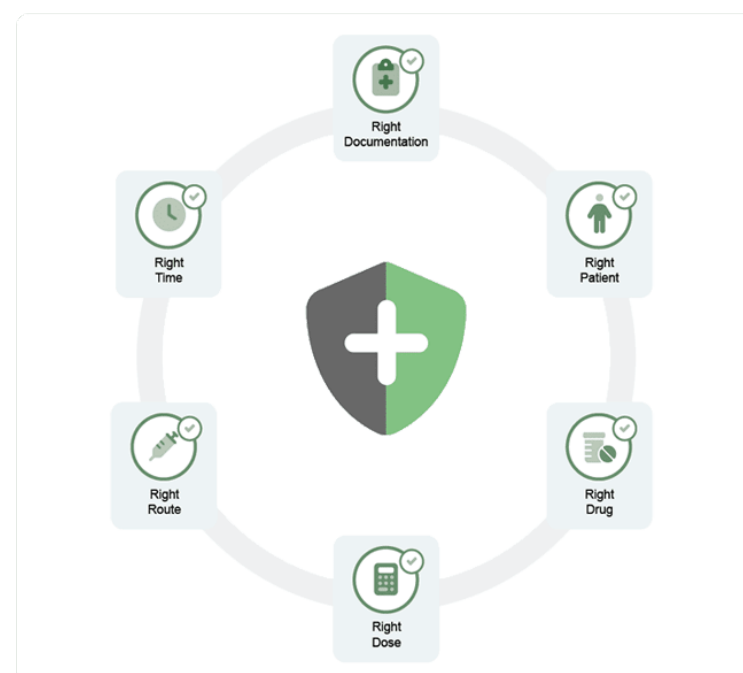
Assess your learners' capability, competence development and assessment in the 6 rights of safe medicines management.



safeGUARD builds upon and complements the drug dosage and prescribing calculation competence development and assessment features elsewhere in safeMedicate.

safeGUARD will provide learners with a comprehensive understanding of the 6 rights of safe medicines management and their importance in maintaining patient safety throughout the medicines management processes.

- Right documentation
- Right patient
- Right drug
- Right dose
- Right route of administration
- Right time of administration



safeGUARD adopts a clinical case study approach to undertake a stepwise review of important information in the clinical setting at each phase of the medicines management process.

Learners will consider the role of 3 key members of the multi-disciplinary healthcare team and understand how error might be introduced at each phase. safeGUARD will provide a logical, comprehensive and effective framework for the identification of such errors and for taking appropriate actions to maintain patient safety.

Each case study will require learners to assess, verify and implement the patient-safety critical requirements of the medicines management process in order to demonstrate their competence.

Healthcare Numeracy Assessment



Our Healthcare Numeracy Assessment is designed to develop and assess the 20 core areas of health numeracy that underpin and inform the safe practice of the Future Nurse proficiencies.

SAFEMEDICATE FRAMEWORK

Our analysis of the NMC standards has identified 20 core areas of health numeracy that underpin and inform the safe practice of the Future Nurse proficiencies.

20 CORE AREAS

- 1. Addition of Whole Numbers
- 2. Subtraction of Whole Numbers
- 3. Multiplication of Whole Numbers
- 4. Division of Whole Numbers
- 5. Negative Numbers
- 6. Fractions
- 7. Decimals
- 8. Percentage
- 9. Ratio
- 10. Equivalences between fractions, decimals, percentages
- 11. Conversion between SI and other measurement units
- 12. Conceptual problem solving
- 13. Formula & Equations
- 14. Rounding of Numbers
- 15. Estimation
- 16. Indices & Logarithms
- 17. Calculator Use
- 18. Measurement
- 19. Interpretation of tables, charts and graphs
- 20. Statistics

HEALTHCARE NUMERACY ASSESSMENT FORMATS

- At point of entry to the NMC register: our HNA (Healthcare Numeracy Assessment) has been designed to be used throughout the duration of the pre-registration programme, to provide formative and summative fingerprints of competence development and achievement within the 20 core health numeracy skills. We've illustrated below an example of what a typical Point of Entry question will look like and how the complexity of the questions increase by the Point of Registration with context to healthcare.
- A 60-point assessment that will include 3 problems of increasing complexity, within each of the 20 mathematics/numeracy skills areas.

POINT OF ENTRY

Conversion between SI and other measurement units
Question 14 - You have answered this question correctly
Solve the SI unit conversion problem. Type your answer in the box below.

100 micrograms = ? milligrams

CORRECT ANSWER	
0.1	milligrams
YOUR ANSWER	
0.1	milligrams

POINT OF REGISTRATION

Measurement
Question 1 - You have answered this question correctly
Select an appropriate syringe and measure the calculated answer to the oral dosage calculation problem.

Prescribed Dose
50 mg

Available Dose
100 mg

X

Prescribed Time (mL)
5 mL

=

Time to be Given (mL)
2.5 mL

CORRECT ANSWER

YOUR ANSWER

Essential Skills



Essential Skills is a highly interactive, visual and self-paced learning and assessment environment designed by experienced nurse educators and clinical pharmacists. It is designed to develop and assess the competencies required for safe medication dosage calculation at the point of registration.

Essential Skills can be used to replace traditional methods of teaching and assessing drug calculation skills and locates seamlessly within a typical pre-registration curriculum.

The integrated assessment features provide a platform for formative or summative assessments with automated and detailed diagnostic feedback on performance for the individual user and institution.

Essential Skills is designed to assist learners to:

- Understand the essential clinical features of dosage and rate problems.
- Recall and develop the computation skills required to accurately calculate dosages and IV infusion rates.
- Develop the technical skills to accurately measure the dose or rate using typical administration vehicles.
- Practice at their own pace and continually assess and evaluate their learning and understanding.



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Unique Medications



43219

Authentic Dosage Problems



13

Clinical Systems



503

Clinical Indications

Competency Level: Conversion of B.I. Units

INDIVIDUALLY ASSIGNED PATIENTS				Ref: 10/2024
DOB: 18/03/2024	Medication: Morphine Capsule		Concentration: 10mg	Drug Monograph For Use in safeMedicate Only Medication Name Morphine Capsule Indication Opioid Analgesia Administration Route Oral Dose 10mg once a day Maximum Dose 60mg Dispensed Dose 250mg per 1 Capsule
Sex: Male	Age: 3 years	Route: Oral	Concentration: 10mg	
Height: 128 cm	Bodyweight: 25 kg	Frequency: 4 times a day	Concentration: 10mg	
Body Surface Area: 0.64m ²	Diagnosis: Cushing's syndrome	Frequency: 4 times a day	Concentration: 10mg	
Diagnosis: Cushing's syndrome	Frequency: 4 times a day	Frequency: 4 times a day	Concentration: 10mg	

Morphine Capsule 250mg per 1 Capsule

CORRECT ANSWER

DOSE / VOLUME CALCULATION

$$\frac{1 \text{ g}}{0.25 \text{ g}} \times 1 \text{ capsule} = 4 \text{ capsule}$$

ADMINISTER THE CORRECT AMOUNT OF CAPSULES



YOUR ANSWER

DOSE / VOLUME CALCULATION

CONCEPTUAL ☒ CALCULATION ☒

$$\frac{1 \text{ g}}{0.25 \text{ g}} \times 1 \text{ capsule} = 4 \text{ capsule}$$

ADMINISTER THE CORRECT AMOUNT OF CAPSULES

TECHNICAL MEASUREMENT ☒



fns bodyweight based calculations as

Bodyweight & Body Surface Area



Designed to develop and assess the competencies required for safe medication practice with the more complex problem solving and calculations associated with bodyweight and body surface problems.

Bodyweight & Body Surface Module is designed to assist learners to:

- Use the 5-Rights of Medication Administration to deliver prescribed medications to both adult and child patients.
- Conceptually understand drug dosage and 24-hour maintenance fluid calculation problem-solving for doses standardised by bodyweight and body surface area (BSA).
- Interpret medication orders, medication product labels, monographs and other important information, and accurately calculate prescribed drug dosages and total and divided 24-hour maintenance fluid requirements, based on the patient's kilogram bodyweight and body surface area (BSA).
- Demonstrate medication measurement skill by selecting a correct syringe and measurement of the correct volume of prescribed medication; and for children and neonates, appropriate measurement of total and divided 24-hour maintenance fluid volumes and setting of millilitre per hour intravenous infusion pump rates.



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Unique Medications



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Authentic Dosage Problems



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Clinical Systems



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Clinical Indications

ROUTINELY SCHEDULED MEDICATIONS

Patient's Name: Robert Collins

Sex: Male Age: 85 years

Height: 152 cm Bodyweight: 80 kg

Body Surface Area: 1.8 m²

Drug class: NSAIDs

Severe Active Rheumatoid Arthritis

Allergies: Nil Known

Medication Name: Celecoxib Oral Solution

Dose: 150 mg

Route: Oral

Frequency: 12 regular doses every 12 hours

Maximum Dose: 200 mg

Dispersed Dose: 100 mg per 1 mL

Drug Monograph

For Use in Adults/Children Only

Indication: Severe Active Rheumatoid Arthritis

Administration Route: Oral

Dose Calculation: 15 mg/kg twice a day every 12 hours

Maximum Dose: 200 mg twice a day every 12 hours

Dispersed Dose: 100 mg per 1 mL

CORRECT ANSWER

ORDERED DOSE CHECK

80 kg x 1.5 mg/kg = 120 mg

SAFETY CHECK

Has the prescriber calculated the ordered dose correctly? ☒

DOSE / VOLUME CALCULATION

120 mg / 100 mg x 1 mL = 1.2 mL

ADMINISTER THE CORRECT DOSE/VOLUME OF LIQUID MEDICINE

YOUR ANSWER

ROUNDING

For volumes greater than 1 mL, round to tenths. For volumes less than 1 mL, round to hundredths.

ORDERED DOSE CHECK

80 kg x 1.5 mg/kg = 120 mg

SAFETY CHECK

Has the prescriber calculated the ordered dose correctly? ☒

DOSE / VOLUME CALCULATION

120 mg / 100 mg x 1 mL = 1.2 mL

ADMINISTER THE CORRECT DOSE/VOLUME OF LIQUID MEDICINE

fns injectable medicines therapy as

Injectable Medicines Therapy



Injectable Medicine Therapies is a highly interactive, visual and self-paced learning environment designed by experienced nurse educators and clinical pharmacists.

This module provides a comprehensive assessment of cognitive competence that includes a range of safety checks, equation setup and calculation, and the accurate setting of rate of administration and volume of IV infusions.

Injectable Medicine Therapies Module is designed to assist learners to:

- Develop and assess the competencies required for safe medication practice with the more complex problem solving and calculations associated with injectable medicine therapies such as IV bolus dose, intermittent and continuous infusions.
- Covers both adult and child populations and will prepare health professionals for safe IV medication practice on general and specialist wards, high dependency and intensive care units.
- Scrutinize medication orders and to identify errors in prescribed medication dosages.
- Use our unique authentic dimensional analysis system as the equation framework for solving injectable medicines calculations for intermittent and continuous infusions.



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Unique Medications



43219

Authentic Dosage Problems



13

Clinical Systems



503

Clinical Indications

The prescriber has ordered a Slow Intravenous Injection.

Injectable medicines therapy

Complexity Level: Slow IV Injection



Patient's Name
Lame Newman

Sex: Female Age: 30 years
Height: 173 cm Weight: 88 kg

Body Surface Area: 1.8m²

Diagnosis:

Hospital acquired septicemia

Allergies:
Nil Known

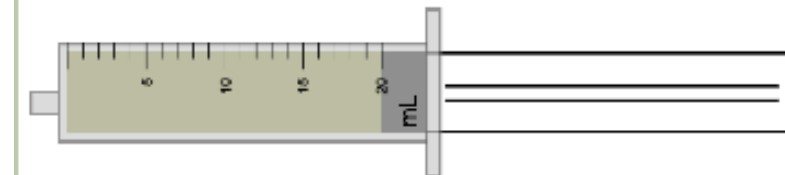
DOCUMENTED SOURCE TO MEDICATIONS			Ref
10/01/2024	Medication order	Medication order	10/01/2024
10/01/2024	Medication order	Medication order	10/01/2024
10/01/2024	Medication order	Medication order	10/01/2024
10/01/2024	Medication order	Medication order	10/01/2024

Drug Monograph	
For Use in safeMedicate Only	
Medication Name	Mefenamic Acid
Indication	Hospital acquired septicemia
Mode of Administration	Slow IV injection
Dose	1g 3 times a day every 6 hours
Maximum Dose	1g every 6 hours
Dispensed Dose	1g per 20 mL
Administration Time	Administer over 5 minutes
Administration Route	Slow intravenous injection



CORRECT ANSWER

ADMINISTER THE CORRECT DOSE/VOLUME OF DRUG



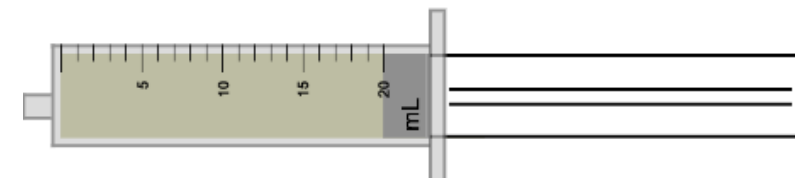
SETTING THE DURATION OF THE INJECTION



YOUR ANSWER

ADMINISTER THE CORRECT DOSE/VOLUME OF DRUG

TECHNICAL MEASUREMENT ☒



SETTING THE DURATION OF THE INJECTION

TECHNICAL MEASUREMENT ☒



fns fundamental prescribing & practical dosing calculations pdc

Prescribing & Practical Dosing Calculations



In combination with our Essential and Advanced Skills modules it is designed to prepare learners to be 'prescriber ready' and capable of undertaking further studies to become an independent prescriber.

This module builds upon the dosage calculation competence developed within the previous modules.

It is designed to provide an overview of the stages of the prescribing consultation and governance process in primary and secondary healthcare settings with a key focus on the core calculations required to generate an accurate prescription. In combination with our Essential and Advanced Skills modules it is designed to prepare learners to be 'prescriber ready' and capable of undertaking further studies to become an independent prescriber.

Prescribing Calculations is designed to assist learners to:

- Understand, accurately complete and routinely check fundamental calculations relevant to prescribing and practical dosing in primary and secondary healthcare settings.
- Consider the patient assessment, diagnostic, treatment option and shared decision-making processes that need to be considered and completed as part of the wider prescribing competency framework.

Competency Level: Single Indication - TC

 Patient Number 1037022175 Patient's Name London Robinson Sex Male Date of Birth 7/1/2007 Age 17 year(s) 5 month(s) Height 163 cm Bodyweight 53 kg Body Surface Area 1.6m ² Renal Function Creatinine 144umol/L (1.23m ²) 116 Liver Function Normal Ureae Normal Alcohol Nil Known	Age 17 year 5 months DOB 07/01/2007 Gender Male Weight 53 kg Height 163 cm BSA 1.6m ² Renal Function Creatinine 144umol/L (1.23m ²) 116 Liver Function Normal Ureae Normal Alcohol Nil Known	Drug Monograph For Use in safeMedicate Only Medication Name Lamotrigine Tablets Indications Focal Seizures Administration Route By mouth Dose Child 12 - 17 years 100 mg, once a day for 7 days Maximum Dose 100 mg daily Medicinal Form Tablet Lamotrigine 100 mg tablet
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CORRECT ANSWER

SET REQUIRED DOSE

100 mg

SET ADMINISTRATION FREQUENCY

once a day

SET TREATMENT DURATION

7 day(s)

SET STRENGTH OF MEDICINAL FORM TO BE SUPPLIED

100 mg tablet

CALCULATE THE QUANTITY OF A SINGLE DOSE OF MEDICATION

100 mg x 1 day = 1 day

CALCULATE THE QUANTITY OF MEDICATION TO SUPPLY

1 day x 1 day = 1 day

SIGN PRESCRIPTION FORM & CONTINUE

The prescription form was checked and signed.



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Unique Medications



43219

Authentic Dosage Problems



13

Clinical Systems



503

Clinical Indications

REVALIDATION

ACCREDITED LEARNING TO SUPPORT YOUR CPD



We can support your Revalidation:

Did you know, that safeMedicate is the market leading resource for supporting the development and assessment of competence in drug dosage calculations?

With up to 40% of nurses' time spent on drug administration, it is essential that nurses remain competent in this patient safety critical skill. safeMedicate is an accredited program that can support your revalidation journey within this domain of professional practice. On successful completion of one of our modules, you will receive a certificate of completion to support your revalidation portfolio of evidence.

safeMedicate can support the following two elements of your Revalidation:

35 HOURS OF CPD

You must have undertaken 35 hours of continuing professional development (CPD) relevant to your scope of practice as a nurse or midwife in the three year period since your registration was last renewed, or when you joined the register.



5 REFLECTIVE ACCOUNTS

You must have prepared five written reflective accounts in the three year period since your registration was last renewed or you joined the register.



CERTIFICATE OF COMPLETION & REFLECTIVE ACCOUNT

Our learning modules have been accredited by the CPD Standards Office and each module equates to a set number of CPD hours.

On successful completion, we will award you with a certificate of completion which you can keep within your CPD Portfolio and use as evidence towards your Revalidation. We'll also give you the opportunity to consider and document aspects of your learning which can then be used as a basis for one of the five reflective accounts you will also need to submit as evidence as part of the revalidation process.



The CPD Standards Office
CPD PROVIDER: 50085
2022- 2024
www.cpdstandards.com



ACCREDITED CPD

- CPD points ✓
- Certificate of Completion ✓
- Reflective account ✓

Licence Costs & Purchase Options

HIGHER EDUCATION PRICING

Module	Essential Skills	Bodyweight and BSA	IMT	Prescribing Calculations	Essential Skills + 1	Essential Skills + 2	FNS	FNS + safeHANDS
6 months	£ 7.00	£ 5.00	£ 5.00	£ 5.00	£ 8.00	£ 9.00	£ 12.00	£ 13.00
1 year	£ 12.00	£ 9.00	£ 9.00	£ 9.00	£ 14.00	£ 15.00	£ 17.00	£ 20.00
2 years	£ 17.00	£ 14.00	£ 14.00	£ 14.00	£ 21.00	£ 24.00	£ 29.00	£ 32.50
3 years	£ 23.00	£ 17.00	£ 17.00	£ 17.00	£ 29.00	£ 32.00	£ 35.00	£ 40.00
4 years	£ 29.00	£ 23.00	£ 23.00	£ 23.00	£ 35.00	£ 38.00	£ 40.00	£ 47.50

HEALTHCARE SYSTEM PRICING

Module	Essential Skills	Bodyweight and BSA	IMT	Prescribing Calculations	Essential Skills + 1	Essential Skills + 2	FNS	FNS + safeHANDS
6 months	£ 7.00	£ 5.00	£ 5.00	£ 5.00	£ 8.00	£ 9.00	£ 12.00	£ 13.00
1 year	£ 12.00	£ 9.00	£ 9.00	£ 9.00	£ 14.00	£ 15.00	£ 17.00	£ 20.00



PRICING STRUCTURE

All prices are exclusive of VAT and came into effect 1st August 2024.

For higher education institutions, we provide access to a range of module combinations across the suite of safeMedicate Essential Skills and Advanced Skills modules as 1-year, 2-year or 3-year options.

The Essential Skills module provides a learning and assessment platform that is congruent with the NMC Essential Skills Cluster for Medicines Management and meets the requirements for dosage calculation competence at the point of registration.

Should you wish to expose your students to the more complex calculations associated with either of our Advanced Skills modules then you can choose to include either or both to meet the needs of your curriculum.

Licences are typically purchased in bulk by the institution according to total student numbers on the course. Licences are issued on receipt of an official purchase order from the institution. All licences will be associated with the purchasing institution for student administration purposes.

On first implementation of safeMedicate at a particular higher education institution, if purchasing 3 year licences in bulk for 1st year students beginning their undergraduate studies, we are pleased to offer discounted prices for existing 2nd year and 3rd year students. Further details can be provided at time of purchase.

SAFEMEDICATE ADMINISTRATOR LICENCE

COSTS

There is no cost associated with administrator licences for faculty or healthcare system managers, or for access to our Administrative Portal (see below) when the institution purchases student or practitioner licences in bulk.

safeMedicate Customer Support is also provided to the institution at no additional cost.

ADMINISTRATOR PORTAL

Tools and features to support the local management of safemedicate

We've made it simple to implement and manage safeMedicate within your organisation. Whether you're a healthcare educator or manager, our Administration Portal provides a single point of access to a range of powerful time-saving tools and features.

ASSESSMENT MANAGER

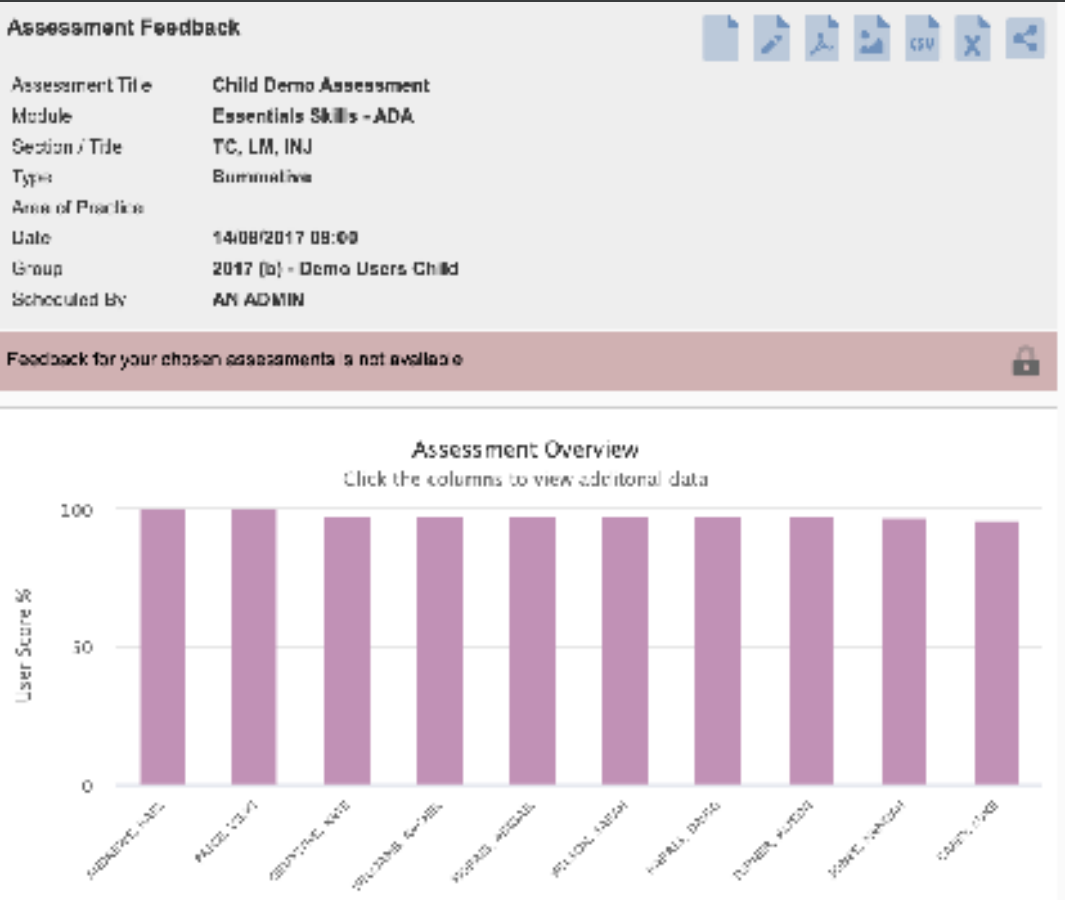
Scheduling assessments for your learners using our Assessment Manager is a simple process that unfolds on the screen as you progress through making your choices and setting various options. For our Essential and Advanced Skills modules you can choose:

- To target specific cohorts, groups within cohorts or individual learners
- Diagnostic or authentic assessment modes
- Assessment date and start time
- Assessment duration and availability
- Single or repeated events over set periods of days,weeks, or monthly on a set date
- Pre-defined assessment formats
- Administrator defined bespoke assessment formats using our unique and powerful Focused Assessment Builder (FAB)
- Formative or summative options
- Once only or repeat attempts
- Availability of on-screen calculator
- Feedback availability
- Online proctoring through seamless integration with Proctorio (additional charges apply for this service)

REPORT CENTRE

On completion of safeMedicate scheduled assessments, all results are immediately available for you to review via the Report Centre.

- Review cohort/group performance as bar charts and lists of individual users
- Ability to compare assessments at a Group/Cohort level
- Interactive charts that allow you to drill down to results for individual users
- Print charts in various image formats or as PDF documents
- Show results as total scores or as percentages
- Identify any learners who did not take the assessment
- Choose when to release results to learners (summative assessments)
- External Examiner Share Feature
- Export results as an Excel spreadsheet for further analysis or for import into your VLE



ASSESSMENT FEEDBACK

safeMedicate makes it easy for you to monitor the degree to which learner's are engaging with the program and the progress they are making.

- Drill down to view detailed question-level results and feedback for individual users
- Rich visual feedback displays the problem elements (medication order and medication container label), the correct answer and the learner's answer
- Immediately identify which elements of the answer are correct or incorrect aided by direct comparison with the expert solution
- If a calculator has been used, see the recorded keystrokes
- When results are released, the same level of detailed feedback is available to the learner

ENGAGEMENT MONITORING

safeMedicate makes it easy for you to monitor the degree to which learner's are engaging with the program and the progress they are making.

- Institution-wide Usage Statistics widget that provides a snapshot of system activity and engagement for 6 metrics over a range of pre-set time periods (e.g.,. usage within last 3 months)
- Search for and identify users who have not registered their accounts
- Search for and list users who have not engaged within pre-defined time periods (e.g.,. no engagement in last month)
- Export lists of non-engaging users as an Excel spreadsheet

FOCUSED ASSESSMENT BUILDER

Assessment scheduling just got easier

FAB

Our Focused Assessment Builder provides the administrator to set a wide range of assessments by complexity level (e.g. specific levels within Essential Skills, Bodyweight/BSA & Injectable Medicines modules), or system-based (e.g., cardiovascular, nervous, endocrine system).

As an administrator you will have the ability to align safeMedicate assessments with individual modules of the adult, child, mental health., etc. curriculum. You will be able to create focused assessments centred on specific drugs in preparation for simulated or practice-based clinical experiences. Another great feature of our assessment builder is that once an assessment has been created, you will have the ability to save it as a pre-set or template for repeated use.

Build your custom assessment using the options below:

Assessment Options

Assessment Name: System Assessment

Assessment Type: Complexity System

Your Custom Assessment

No problems added.

Find a Problem

Choose an area of practice: Mental Health

Choose a system: CNS: Mental Health

Choose a medication: Alprazolam

Essential Skills

Tablets & Capsules Unit Dose

CRAL

Anxiety

250 mcg

250 micrograms in 1 Tablet

Tablet

1 tab(s)

Essential Skills

Tablets & Capsules Unit Dose

CRAL

Anxiety

500 mcg

500 micrograms in 1 Tablet

Tablet

1 tab(s)

Essential Skills

Tablets & Capsules Conversion of SI Units

CRAL

Anxiety

1000 mcg

500 micrograms in 1 Tablet

Tablet

2 tab(s)

Essential Skills

Tablets & Capsules Sub Unit Dose

CRAL

Anxiety

250 mcg

500 micrograms in 1 Tablet

Tablet

0.5 tab(s)

SYSTEM BASED

Assessment Options

Assessment Name: System Assessment

Assessment Type: Complexity System

Your Custom Assessment

No problems added.

Find a Problem

Choose an area of practice: Adult

Choose a system: Infections

Choose a medication: Amoxicillin

Essential Skills

Tablets & Capsules Unit Dose

Intramuscular Injection

Oral Media

500 mg

500mg in 2.9mL

Injection

2.9 mL

COMPLEXITY BASED

Assessment Options

Assessment Name: Complexity Test

Assessment Type: Complexity System

All users receive the same question set

Area of Practice

Mixed

Adult

Child

Mental Health

Learning Disabilities

Midwifery & Neonate

Essential Skills

Bodyweight & body surface area calculations

Liquid Medicines

Complexity Level

Mixed

Single Dose

Daily Divided Dose

Body Surface Area - Single Dose

Body Surface Area - Daily Divided Dose

Injections

I.V. Infusions

Training Workshops & Webinars



Expert tuition to support a successful implementation:

Designed specifically to help you get the most out of the software and to support its successful implementation within your organization.

Our workshops and webinars are for staff that will take responsibility for its local administration, supporting learners and monitoring their engagement and

WORKSHOP FORMAT

ONLINE TRAINING

Our workshop can be delivered online as a short series of webinars by our professional e-learning specialists. Webinars comprise a blend of slides presentations, discussion and live product demonstration, typically delivered over 2 half-days. All webinars provide opportunity for wider discussion of topics presented.

TYPICAL WORKSHOP

- Introduction to the materials and underlying educational approach
- Competence in medication dosage calculation
- Overview of safeMedicate software suite:
 - Content and scope
 - Key features and functionality
 - Interpretation and optimization of learner performance
 - Administrative tools
 - Assessment types, scheduling and reporting
- Curriculum integration (higher education users)
- Strategies for successful organization-wide implementation
- Workshop/webinar evaluation



SAFEMEDICATE WEBINARS

Our webinars are for staff who will take responsibility for local administration and supporting learners.

After the initial training workshop, we offer monthly webinars where our product specialists walk you through the key features and functionality of safeMedicate.

If you are interested in attending one of our webinars, please contact a member of staff for more information.

Access and Security



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Authentic World offers higher education institutions and healthcare providers with the definitive online solution for developing, assessing and maintaining the essential and advanced skills that underpin competence within the domain of safe medication dosage calculation.

All of our products are web-based and our website is available 24 hours a day and 365 days a year from anywhere in the world providing you have access to the internet via a network or reliable broadband connection. All that is required to run our software is an up-to-date web browser such as Google Chrome, Edge or Mozilla Firefox. Our user guides are also online in PDF format and require the Adobe Reader software to view them. Adobe Reader is a free download.

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Access to all our software is via our secure website portal providing encryption of the highest standard thereby offering the utmost level of security possible. This means you can rest assured that communications between your browser and our site are private and secure.

Please visit our website at www.safemedicate.com for more information.

You'll find everything you need to know about our company, the features of our safeMedicate software and our safeMedicate Interactive Demo (SID), that allows you to engage with and undertake example diagnostic assessments from our entire suite of safeMedicate environments.



CONTACT US



Cardiff Medicentre
Heath Park, Cardiff CF14 4UJ



info@safemedicate.com



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