

# Drug Dosage Calculations

Drug Dosage Calculations - Online  
Training Course - CPDUK Accredited



Corporate  
Member

The CPD Certification Service



## OVERVIEW

Welcome to The Mandatory Training Group's online Drug Dosage Calculations online training course for front-line healthcare and social care providers. All our online training courses, programmes and qualifications are accredited by the CPD Certification Service (CPDUK).

Insufficient skills in drug dose calculations increase the risk of medication errors. Even experienced nurses may struggle with drug dose calculations. Learning flexibility and cost considerations make e-learning interesting as an alternative to classroom teaching.

Most nurses and other clinical staff will often be called upon to administer or supervise the administration of all types of medicines in different forms and strengths. As part of this drug calculations training course, you will learn how to do this safely and efficiently.

### Drug Dosage Calculation - E-Learning Course - CPDUK Accredited

- Study method – Online, self-paced
- Estimated duration (Indicative CPD hours) – 2 hours
- Course format – Online (24/7 access)
- Entry requirements – no prerequisites required
- Assessment type – Complete end of course assessment (80% needed to pass and gain CPD certificate)
- Certification/Qualification – Downloadable CPD certificate
- Cost(s) of assessment and certification – Assessment and certification costs included in the course price
- Course accreditation – CPD Certification Service (CPDUK)
- Course access – Part-time (1-year access)
- Course delivery – via desktop PC/MAC, laptops, tablets or smartphones.

## Who is the course for?

This online Drug Dosage Calculations training course should be completed by those who work in health and social care services, including:

- NHS medical, nursing, AHP and care staff
- Locum doctors and nurses
- Locum allied health professionals (AHPs)
- Agency nurses
- Agency workers
- Healthcare Assistants
- Support workers
- Care assistants
- Nursery staff
- Teaching staff
- Community services.

## Course aims

The main aim of this online Drug Dosage Calculations training course is to improve the skills of nurses and other healthcare staff so that they know how to calculate drug dosages accurately and avoid drug errors.

During your career, you will often be called upon to administer or supervise the administration of several types of medicines.

As part of this online Drug Dosage Calculations training course, you will be shown how to do this safely and efficiently. However, the achievement of this aim requires the development of a certain degree of mathematical skill. The required level is not high, but attaining it is necessary to ensure that the safety of patients is not compromised.

## Learning outcomes

On completion of this online Drug Dosage Calculations training course, the learner will:

- Understand the need for basic arithmetical skills in drug calculations and demonstrate competency in this area using interactive exercises,
- Avoid drug errors by adopting a standardised approach to drug dose calculations, including converting between different SI units,
- Ultimately prevent patient injury or harm as a consequence of drug errors, and
- Know how to record and report drug dosage errors in practice.

## Course content

This online Drug Dosage Calculations training course covers the following:

- Introduction to drug dosage calculations,
- Why are drug calculations important?
- Double-checking calculations,
- Numeracy and drug calculations,
- S.I. units of measurement,
- Commonly used abbreviations for drug calculations,
- Top tips about drug calculations and administration,
- Converting units of weight and volume,
- Drug dosage calculations and conversions,
- Converting drug measurements,
- Converting units of weight and volume,
- Standard dosage calculations,
- Calculating drug concentrations,
- Worked calculations of drug concentrations,
- Ratios for drug calculations,
- Worked out examples of ratios,
- Calculating oral doses in tablets,
- Worked calculations of oral doses in tablets,
- Drugs in liquid form,
- Worked out examples of drugs in liquid form,
- Calculating oral doses for children and neonates,
- Worked calculations of oral doses for children and neonates,
- Calculating IV drug doses,
- Worked calculation of IV drug doses,
- Calculating drip rates for gravity flow infusions,
- Worked out calculations of drip rates for gravity flow infusions,
- Calculating infusion rates for infusion devices,
- Worked calculations of infusion rates for Infusion devices,
- Calculating rates for syringe drivers,
- Worked examples of calculating rates for syringe drivers,
- Calculating IV drug doses for children and neonates,
- Worked calculation of IV drug doses for children and neonates,
- Summary,
- Key points to remember,
- References and resources, and
- Online course assessment.
- Comprehensive examples and exercises are included at the end of each lesson.

## Why is this online Drug Dosage Calculations course essential?

Nursing competence in drug calculations has been a cause for concern (Duffin, 2000; Coombes, 2000). Hutton (1998a) suggests that a degree of 'de-skilling' has resulted from the increasing user-friendliness of drug preparations and widespread use of electronic drip counters.

The lack of basic math skills can be a major problem when it comes to nurses administering drugs to patients, often with very serious consequences. Poor drug calculations are still a significant source of drug error. Evidence has shown that many nurses are weak with drug calculations of all sorts. This comprehensive drug calculations course will help to review the major concepts related to drug calculations, help walk you through a few exercises and provide a few exercises you can perform on your own to check your skills. There are many reference books available to review basic math skills if you find that you have difficulty with even the basic conversion exercises.

[Click Here to Buy this Course](#)



Mandatory Training Group

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Learn. Develop. Comply

## HOW IT WORKS?

### Instant Access

- Gain instant access to your course(s) upon purchasing through our website
- Login credentials are sent immediately to the customer to the email address provided during the checkout process
- We also advise all customers to check their spam and junk mail folders in case your mail server has diverted the email there

### Online Support 24/7

- Customer service teams interact with clients through email and live chat support.

### Refund policy

- To request a refund, you should email our support team with your receipt stating why you would like to be reimbursed.
- You, or your learners, must not complete the training to make a valid refund claim.
- Any courses that have been completed and those with certificates achieved will not be valid for a refund.

### Learn Anytime, Anywhere, On Any Device

- Learn at your own pace, at a time and place convenient to your circumstances
- Individual learners can access their course material(s) 24/7 for 365 days from the date of purchase
- In the case of organisations that order multiple licences for future use, the countdown will start when learners are allocated to the training course(s)

### Assessment and Certification

- Unlimited attempts to complete end of course assessments
- On successful completion, download, print/save quality-assured CPD certificate

### 100% Money Back Guarantee

- We want you to be completely satisfied with your training. We offer a 14-day money-back guarantee if you are not 100% satisfied.

## ASSESSMENT AND CERTIFICATION

### End of course assessment

At the end of this course, learners are required to complete an online end of course assessment. On successful completion of the assessment (80% pass mark), learners may download a FREE CPD certificate from their profile page.

### Certification

On successful completion of this e-learning course and end of course assessment, the learner may download, save and/or print a quality assured CPD certificate (recognised internationally). Our CPD certificate can be used to provide evidence for compliance and audit or Continuing Professional Development (CPD).

### Course accreditation

The CPD Certification Service accredits all our online training courses and programmes as conforming to universally accepted Continuous Professional Development (CPD) guidelines. Our online training courses meet the latest guidance and best practice recommendations.



The image shows a large, stylized badge for CPD Corporate Membership. On the left is the logo for Mandatory Training Group, featuring the letters 'CPD' in a blue, circular font with a white checkmark, and the text 'Mandatory Training Group' below it. In the center, the text 'Corporate Member' is written in a large, blue, sans-serif font, with 'The CPD Certification Service' in a smaller font below it. At the bottom center, it says 'CPDUK Corporate Membership Number - 11177'. On the right, there is a 'CPD CERTIFIED' logo with 'The CPD Certification Service' and 'Collective Mark' below it.

[Click Here to Buy this Course](#)



Mandatory  
Training Group

## WHY CHOOSE US?

The benefits of using our accredited e-learning courses in the workplace include:

- CPDUK accredited e-learning provider
- Ofqual approved training centre (UK qualifications)
- Internationally recognised CPD and Ofqual approved certificates
- Wide range of courses and qualifications that meet UK legislation and guidelines
- Over 500 online courses and programmes that cover multiple sectors
- Free blended learning environment for individuals and organisations
- Immediate access to online courses and programmes
- Highly interactive e-learning portal
- Substantial cost reductions (no travel fees and other expenses)
- Self-paced online learning
- Low carbon footprint through e-learning
- Repository of online learning materials and assessments
- Fully qualified and experienced trainers, instructors and assessors
- Experienced subject matter experts and content developers
- Conversion of existing classroom courses to e-learning courses
- All training courses meet the latest guidance and best practice recommendations.

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### Civility in the Workplace Training Course for Global Executives

*"YPO is the premier global leadership organisation for more than 28,000 chief executives in over 130 countries and the global platform for them to engage, learn and grow. We approached The Mandatory Training Group to develop an online training programme focusing on improving workplace civility. Their team developed excellent learning materials tailored to our organisational needs. With their support, we rolled out the civility in the workplace training programme to over 300 executives around the world."*

Nicolle Billmyre, YPO, Texas, USA



### City and Hackney

Clinical Commissioning Group

### Counter Fraud, Bribery and Corruption Training for NHS Providers

*"NHS City and Hackney Clinical Commissioning Group (CCG) is an NHS organisation led by local GPs. The Mandatory Training Group provided us with tailored courses focussing on tackling fraud, corruption and bribery for all our staff across various sites. The e-learning courses helped us to meet statutory and regulatory requirements".*

Harriet Griffiths, NHS City and Hackney CCG, London, UK



### Accredited Training Courses, Programmes and Regulated Qualifications

*"Reed is the largest platform for jobs, recruitment and courses in the UK. The Mandatory Training Group is one of our most trusted providers of continuing professional development (CPD) programmes and regulated qualifications. They have provided us with a wide range of learning materials ranging from soft skills, personal development, health and safety, among others. These courses help many job seekers to improve their skills and comply with the current UK and European laws".*

Mansh Bhatti, Reed Courses, London, UK

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*“When we set up our business, we were looking for a reliable training provider for the healthcare multi-disciplinary team (MDT). We worked with The Mandatory Training Group to establish our training needs for each group of professionals. Their experience was invaluable, helping us to design new courses and assessments to meet the commissioners’ and regulatory requirements”.*

Anne Joy, OSD Healthcare, Hemel Hempstead, UK



Healthcare choice for **everyone** **Statutory and Mandatory Training for Healthcare Providers**

*“All our senior clinicians were delighted with the delivery of the mandatory training courses. They found the course leaders to be very flexible with allocating more time to certain areas at request. The course contents that LearnPac had designed were tailored to our workforce, which helped them improve their understanding of the subjects. The application of legislative concepts to practice was excellent”.*

Sophie Hartley-Jones, OneHealth Group, Sheffield, UK



## Online Training and Development for the Public Sector

*“We work with various public sector organisations. Statutory and mandatory training is essential for all our placements. We used LearnPac for the blended learning environment they provide for our staff. The online statutory and mandatory training courses adequately meet our regulatory requirements. LearnPac’s learning management system enabled us to manage our learners and quickly sort out compliance for our workers. The flexibility of pricing and meeting our needs with the mandatory training was beneficial.”*

David Sanchez, Eden Brown Synergy, London, UK



**Blended Train the Trainer Courses for Healthcare Providers**

*“We were looking to provide resuscitation and first aid training for clinical and non-clinical staff internally. The Mandatory Training Group stood out because they provide comprehensive blended learning solutions. Our internal trainers and facilitators were able to complete the theory training and assessments in advance. The practical sessions were packed with meaningful activities throughout the day. The lead trainers also helped us to complete training needs assessments”.*

Kate McLoughlin, Nuffield Health, Bournemouth, UK

# LEARN. DEVELOP. COMPLY.

The Mandatory Training Group is the leading UK provider of accredited statutory and mandatory training courses for all sectors, including health and social care, education, local government, private and charity sectors.

We have supported over one million learners to reach their potential through e-learning courses and qualifications using our interactive online learning portal.

## WEBSITE

[The Mandatory Training Group - Online Training Courses](#)

## WORKING HOURS

Mon - Fri / 9:00AM - 5:00PM

## Online Training Courses, Programmes & Qualifications

The Mandatory Training is the leading UK provider of accredited online courses, programmes and qualifications in the following categories:

1. Business and Entrepreneurship
2. Health and Safety
3. Health and Social Care
4. IT and Cyber Security
5. Leadership and Management
6. Mental Health Awareness
7. Microsoft Office
8. Personal and Professional Development
9. Statutory and Mandatory Training
10. Soft Skills Development