

What is a Medical Dosimetrist?
How much do Medical Dosimetrists make?
How do I become a Medical Dosimetrist?

DOSEPEDIA



Introduction

- Founders of DOSEPEDIA are credentialed medical dosimetrists working in the U.S.
- What can you expect to gain from this presentation?
 - A general overview about everything medical dosimetry, which includes salary, career outlook, credentialing process, and must-use resources.

Introduction Cont.

- Informally speaking, a medical dosimetrist is an individual who designs treatment plans for radiation therapy to “kill cancer”, using a dedicated computer program.
- Such a program shows patients in 3-D and allow users to position radiation beams around them, which are pinpointed at the cancerous region, which is defined by the medical doctor.
- Other responsibilities revolve around this central theme of treatment planning.



How much do medical dosimetrist make?



What is the career outlook for medical dosimetry?



How do I become a medical dosimetrist



Who is a good fit for medical dosimetry?

Medical Dosimetrist salary?

- AAMD releases salary survey reports, but is locked behind their membership. You purchase a copy without a membership using the following link: <https://www.medicaldosimetry.org/publications/salary-and-workforce-surveys/>
- My personal prediction is that U.S.-based dosimetrists make anywhere between \$80k to \$150k annually, depending on location, level of experience, and the institution.



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Medical Dosimetry career outlook?

- Two general arguments for avoiding medical dosimetry if the “cure for cancer” is found and the onset automation.
- I cannot speak for a “pill” in the future that may cure cancer, but in our present, consider cancer as a generalized, umbrella term.
- As for automation, there is no doubt that tasks are becoming more automated. However, these tasks currently still require humans to perform, supervise, and/or intervene.

Medical Dosimetry Career Outlook? Cont.

- Candidates will be limited geographically, depending on whether a radiation oncology clinic is in the area. Though our recent global event has likely triggered clinics to consider more remote-based work for dosimetrists.
- Given the relatively small number of JRCERT-accredited programs, candidates willing to relocate should find a job without significant difficulty.



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What is the career outlook for medical dosimetry?



How do I become a medical dosimetrist



Who is a good fit for medical dosimetry?

How do I become a Medical Dosimetrist?

- You must graduate from a JRCERT-accredited medical dosimetry program and become credentialed (**C**ertified **M**edical **D**osimetrist) by passing the board exam administered by the MDCB.
- Certain U.S. institutions hire candidates without board certification, typically under the terms that they will become certified within a given time frame.

How do I become a Medical Dosimetrist? Cont.

- [Link for searching JRCERT-accredited programs:](https://portal.jrcertaccreditation.org/accredited-educational-programs/search)
<https://portal.jrcertaccreditation.org/accredited-educational-programs/search>
- [Link for the standards of JRCERT-accredited programs:](https://www.jrcert.org/accreditation-information/accreditation-standards-2021/)
<https://www.jrcert.org/accreditation-information/accreditation-standards-2021/>
- [Link for the curriculum guidelines of JRCERT-accredited programs:](https://www.medicaldosimetry.org/publications/curriculum-guide/)
<https://www.medicaldosimetry.org/publications/curriculum-guide/>
- [Link for the requirements to sit for the credentialing exam:](https://www.mdcb.org/certification-exam-information/eligibility)
<https://www.mdcb.org/certification-exam-information/eligibility>



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How do I become a Medical Dosimetrist



Who is a good fit for Medical Dosimetry?

Who is a good fit for Medical Dosimetry?

- Individuals who are:
 - Open-minded and willing to learn.
 - Good communicators.
 - Relatively independent.
 - Strong in cost-benefit analysis.
 - Strong in critical thought.
 - Strong in spatial visualization.

Thank you

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