



澳門特別行政區政府  
Governo da Região Administrativa Especial de Macau  
人才發展委員會  
Comissão de Desenvolvimento de Quadros Qualificados

## Professions in Short Supply applicable to the Advanced Professionals Programme of the Big Health Industry

Professional Fields	Professional Subcategory	Professions in Short Supply
Medical Services	Medical Services	<ul style="list-style-type: none"><li>• Specialists in Reproductive Medicine</li><li>• Specialists in Stem Cell Therapy</li><li>• Specialists in Cardiothoracic Surgery</li><li>• Specialists in Nuclear Medicine</li><li>• Specialists in Organ Transplantation</li><li>• Specialists in Paediatric Surgery</li><li>• Specialists in Infectious Diseases</li><li>• Specialists in Haematology</li><li>• Specialists in Plastic Surgery</li><li>• Specialists in Vascular Surgery</li><li>• Specialists in Psychiatry</li><li>• Specialists in Oncology</li><li>• Specialists in Obstetrics and Gynaecology</li><li>• Specialists in Intensive</li></ul>



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Professional Fields	Professional Subcategory	Professions in Short Supply
		Care Medicine <ul style="list-style-type: none"> <li>• Specialists in General Surgery</li> <li>• Specialists in Emergency Medicine</li> <li>• Specialists in Urology</li> <li>• Specialists in Dermatology</li> <li>• Specialists in Radiotherapy</li> <li>• Specialists in Sports Medicine</li> <li>• Radiographer</li> <li>• Medical Physicists</li> </ul>
Hospital and Pharmaceutical Management	Hospital and Pharmaceutical Management	<ul style="list-style-type: none"> <li>• Hospital Administrators</li> <li>• Pharmaceutical Managers</li> </ul>
Smart Healthcare Technology Development	Smart Medical Technology Services	<ul style="list-style-type: none"> <li>• Professionals in Healthcare Information Technology Development</li> <li>• Professionals in Digital Medical Imaging Products Development</li> <li>• Professionals in Medical Artificial Intelligence Development</li> </ul>
	Smart Medical Equipment	<ul style="list-style-type: none"> <li>• Professionals in Smart Medical Equipment</li> </ul>



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Professional Fields	Professional Subcategory	Professions in Short Supply
	Development	Technology Development <ul style="list-style-type: none"> <li>• Professionals in Smart Medical Device Technology Development</li> <li>• Professionals in Smart Medical Remote Platform Development</li> </ul>
Innovative Drug Development, Supervision and Management	Research, Development and Application of Innovative Drugs and Traditional Chinese Medicine	<ul style="list-style-type: none"> <li>• Professionals in Traditional Chinese Medicine Production Management, Quality Management and Quality Control               <ul style="list-style-type: none"> <li>• Professionals in Research, Development and Application of Traditional Chinese Medicine</li> <li>• Biomedical Professionals</li> </ul> </li> <li>• Pharmaceutical Chemical Engineers</li> <li>• Pharmaceutical Automation Engineers</li> </ul>
	Drug Testing	<ul style="list-style-type: none"> <li>• Professionals in Drug Testing</li> <li>• Professionals in</li> </ul>



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Professional Fields	Professional Subcategory	Professions in Short Supply
		Traditional Chinese Medicine Inspection <ul style="list-style-type: none"> <li>• Professionals in Biological Agents Testing</li> <li>• Professionals in Pharmacology and Toxicology Testing</li> <li>• Professionals in Microbiological Testing</li> <li>• Professionals in Biochemistry</li> <li>• Professionals in Molecular Biology</li> </ul>
	Drug Monitoring	<ul style="list-style-type: none"> <li>• Professionals in Good Clinical Practice (GCP) Inspection</li> <li>• Professionals in Good Manufacturing Practice for Pharmaceutical Products (GMP) Inspection</li> <li>• Professionals in Good Laboratory Practice for Non-clinical Laboratory Studies (GLP) Inspection</li> <li>• Professionals in Pharmacoepidemiological Surveillance</li> </ul>



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	Drug Reviewing	<ul style="list-style-type: none"> <li>• Professionals in Proprietary Chinese Medicines Reviewing</li> <li>• Professionals in Chemical Drug Reviewing</li> <li>• Professionals in Biologics Reviewing</li> <li>• Biostatisticians in Drug Reviews</li> </ul>
	Drug Standardisation Management	<ul style="list-style-type: none"> <li>• Professionals and Managers in Formulating Chinese and Western Drug Standards</li> </ul>
Standardisation of Medical Equipment and Devices	Medical Device Reviewing	<ul style="list-style-type: none"> <li>• Professionals in Medical Device Reviewing</li> <li>• Professionals in Comprehensive Business Management of Medical Devices</li> </ul>
	Medical Device Inspection	<ul style="list-style-type: none"> <li>• Professionals in Active Medical Devices Inspection</li> <li>• Professionals in Passive Medical Device Inspection</li> <li>• Professionals in Diagnostic Reagent</li> </ul>



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		Testing
	Medical Device Standardisation Management	<ul style="list-style-type: none"> <li>• Professionals in Developing Medical Device Standards</li> <li>• Managers in Developing Medical Device Standards</li> </ul>
Teaching and Research in Medicine and Biology	Teaching and Research in Medicine and Biology	<ul style="list-style-type: none"> <li>• Teaching Professionals in Medicine and Biology</li> <li>• Research and Translational Professionals in Medicine and Biology</li> </ul>
Pharmaceutical Registration, Product Patenting and Marketing	Medicine Registration and Marketisation	<ul style="list-style-type: none"> <li>• Professionals in Chinese and Western Drug Registration</li> <li>• Professionals in Legislations of Drug Registration, Drug International Standardisation and Technical Guidelines</li> </ul>
	Product Patent Application	<ul style="list-style-type: none"> <li>• Professionals in Patent Applications of Medicine and Biology</li> <li>• Professionals in Patent Law and Technology</li> </ul>



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Professional Fields	Professional Subcategory	Professions in Short Supply
		Transfer <ul style="list-style-type: none"><li>• Professionals in Intangible Asset Appraisal</li></ul>
	Big Health Marketing	<ul style="list-style-type: none"><li>• Professionals in General Health Marketing and Trade Marketing</li><li>• Core Organisers and Planners of the Big Health Market Projects</li></ul>

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*Disclaimer: The official Chief Executive Order is provided in Chinese and Portuguese. The English translation is intended solely for reference purposes and has no legal effect. In case of any discrepancies or differences between the official texts and the English translation, the official texts shall prevail.*