Appendix 1

(MAST) is designed to review the effectiveness and contribution to quality of care of telemedicine applications. It is broken into 3 steps:

1	**Preceding Considerations**	- What is the purpose of the application? - Are there relevant alternatives? - Is this an international, international, regional or local level of assessment? - What is the maturity of the application? - Does the application fit into existing legislation? - Is the telemedicine service reimbursed? - How mature is the application? - What is the relevant number of patients expected to use the application?	
2	**Multidisciplinary Assessment** Comparison of the telemedicine application across seven outcome domains with one or more comparator:	Health problem and description of application	Health problem Description of application Technical characteristics Current use of the application
		Safety	Clinical safety (pts and staff) Technical safety (reliability)
		Clinical effectiveness	Effects on mortality Effects on morbidity Effects on health related quality of life
		Patient perspectives	Satisfaction & acceptance Understand of information Confidence in the treatment Empowerment, self effectiveness
		Economic aspects	Amount of resources used when delivering the application Prices for each resource Related changes in use of health care Clinical effectiveness
		Organisational aspects	Process Structure Culture

			Management e.g. task shifting, interoperability, communication
		Socio-cultural, ethic and legal aspects	Ethical issues Legal issues Social issues
3	**Assessment of transferability**	• Cross Border • Scalability • Generalisability	

Reference

Kidholm K, Ekeland AG, Jensen LK, Rasmussen J, Pedersen CD, Bowes A, Flottorp SA, Bech M. A model for assessment of telemedicine applications: MAST. Int J Technol Assess Health Care. 2012 Jan;28(1):44–51