

Guide on Infrastructure

The Dutch Cardiovascular Alliance (DCVA) aims to advance cardiovascular research by enhancing the accessibility and reusability of existing and new data. To support this, the DCVA provides a comprehensive guide outlining the tools, services, and resources available from its partners and Health RI. This guide helps researchers efficiently find the necessary services to develop their research proposals and execute their projects effectively.

Topic	About	More information
Clinical trials	Design and execution of clinical trials (industry or investigator-initiated) Access to a cardiovascular research and monitoring network Site monitoring per ICH-GCP guidelines and local regulations	WCN www.wcn.life +31 (0)30 2239937 secretariaat@wcn.life
Data access (FAIR)	Develop and implement clear data access conditions. Ensure data can be easily accessed and downloaded.	Netherlands Heart Institute, Durrer Center https://www.durrercenter.nl +31 (0)20 5666502 or +31 (0)88 2333600 info@durrercenter.nl Health-RI https://www.health-ri.nl/services/podiumservicedesk@health-ri.nl
Data collection	Collect and sustainably store data (clinical, genetic, imagery) with appropriate technical infrastructure Use REDCap and Castor for building and managing online databases and surveys for clinical data capture Utilize iCRF generator to create interoperable CRFs based on current codebooks Archive, view, and analyze clinical imaging data with XNAT Conduct data-intensive biomedical research using Galaxy for analyses	Netherlands Heart Institute, Durrer Center https://www.durrercenter.nl/datamanagement +31 (0)20 5666502 or +31 (0)88 2333600 info@durrercenter.nl Health-RI https://www.health-ri.nl/services/handservicedesk@health-ri.nl
Data findability	Metadata storage in international (cardiovascular) directories to increase the findability of your data, e.g. Molgenis.	Health-RI https://trait.health-ri.nl/trait-tools/catalogue
Data publication	Publish data according to FAIR principles to enable reuse Note: follow your institution or funder's	Dutch Heart Foundation https://professionals.hartstichting.nl/onze-missie/goed-onderzoek/data-en-infrastructuur/open-access

	guidelines (e.g., Heart Foundation and ZonMw Open Access Policy)	ZonMw https://www.zonmw.nl/nl/over-zonmw/open-science-fair-data/open-access/
Datamanagement plan	Develop and/or evaluate a datamanagement plan (DMP) to structure data collection, organization, storage, and access per FAIR principles Note: follow your institution or funder's guidelines when creating a DMP.	Netherlands Heart Institute, Durrer Center https://www.durrercenter.nl/datamanagement/#DMP +31 (0)20 5666502 or +31 (0)88 2333600 info@durrercenter.nl Health-RI https://www.health-ri.nl/services/handservicedesk@health-ri.nl Dutch Heart Foundation https://professionals.hartstichting.nl/onze-missie/goed-onderzoek/data-en-infrastructuur/toegankelijke-data-onderzoekers +31 (0)70 3155659 ZonMw https://www.zonmw.nl/en/research-and-results/fair-data-and-data-management/ +31 (0)70 3495237
Dataprocessing and analysis	Tooling for dataprocessing and analysis.	Health-RI https://www.health-ri.nl/services?portfolio=7&research_process=All servicedesk@health-ri.nl
Ethical and legal questions	Best practices and advice on ethical and legal issues.	Health-RI https://www.elsi.health-ri.nl elsiservicedesk@health-ri.nl
Figures on cardiovascular diseases and interventions	For reliable and high-quality data on cardiovascular disease and related care in the Netherlands, visit 'Hart & Vaatcijfers' 'Hart & Vaatcijfers' is a collaboration between the Heart Foundation and the Dutch Heart Registration (NHR)	Hart & Vaatcijfers www.hartenvaatcijfers.nl info@hartenvaatcijfers.nl Dutch Heart Registration (NHR) www.nhr.nl +31 (0)88 2200 900 info@nhr.nl Dutch Heart Foundation www.hartstichting.nl 0900 3000 300
Involvement healthcare professionals	Participation of cardiovascular healthcare professionals in research projects, policy and quality of health care.	NVVC www.nvvc.nl +31 (0)30 2345000 bureau@nvvc.nl
Patient registries	Set up and management of cardiovascular patient registries for research and outcome measurements.	NHR https://nederlandsehartregistratie.nl +31 (0)88 2200900 info@nederlandsehartregistratie.nl
Patiënt participation	Participation of cardiovascular patients in research projects, policy and quality of health care.	Harteraad https://harteraad.nl +31 (0)88 1111600 info@harteraad.nl
Preclinical trials registration	Register preclinical trials to provide a comprehensive listing of animal study protocols	Netherlands Heart Institute https://preclinicaltrials.eu +31 (0)88 2333600 info@preclinicaltrials.eu

	<p>Preferably register trials at inception to increase transparency</p> <p>Help avoid duplication by registering trials early</p> <p>Reduce reporting bias by enabling comparison of completed studies with their original protocols</p>	
Project management	<p>Project management including financial administration of (consortium-) projects.</p>	<p>Netherlands Heart Institute https://www.heart-institute.nl +31 (0)88 2333600 info@heart-institute.nl</p> <p>WCN www.wcn.life +31 (0)30 2239937 secretariaat@wcn.life</p>

Questions? Please contact the DCVA Infrastructure working group
data-infrastructure@dcvalliance.nl