# Maternal & Perinatal Central Coordinating Research Hub

Welcome to the Maternal & Perinatal Central Coordinating Research Hub (CCRH), a coordinating centre for maternal and perinatal research, hosted by the Liggins Institute and supporting the ON TRACK Network. In collaboration with the Department of Obstetrics and Gynecology, and Department of Paediatrics: Child and Youth Health, University of Auckland.

Click here for an overview of CCRH Services & Support. Contact: researchhub@auckland.ac.nz

---

## CCRH Guides
- Planning a Trial
- Clinical Trial Terminology
- Study Protocol
- Ethics
- Trial Committees
- Authorship
- Data Sharing
- Mori Responsiveness
- Standard Operating Procedures

## Randomisation
- CCRH Randomisation Site
- CCRH Study Numbers
- Randomisation Plans

## Data Management
- REDCap FMHS
- REDCap Liggins
- REDCap Resources
- Variable Naming Convention
- Study Reports

## Analysis
- Normal Distribution Calculator
- OpenEpi - Open Source Statistics
- Medcalc Calculators
- SAS Guides
- NZDep2013 Index of Deprivation
- Trial Analysis
- Data Cleaning
- Diagnostic Tests

## Follow-up
- Bayley Scales Age Calculator
- LifePath Follow-up SharePoint
- NZ Travel Calculator
- Definitions for Follow-up Studies

## Consensus Statements and Checklists
- Equator Network
- INQUIRE Framework for Evaluating Research Quality

## Protocols
- SPIRIT 2013 Statement
- SPIRIT 2013 Explanation and Elaboration

## Outcomes
- COMET - Core Outcome Measures in Effectiveness Trials
- COS - Prevention of Preterm Birth
- Neonatal Infection Case Definition (Brighton Collaboration)

## Reporting
- CONSORT 2010 - Reporting Parallel Group RCTs
- CONSORT 2010 - Extension to Cluster RCTs
- CONSORT 2010 - Extension to Noninferiority / Equivalence RCTs
- StIRONNG Checklist - Reporting of Neonatal Nutrition and Growth
- STROBE Statement - Reporting Observational Studies
- STROBE Statement - Explanation & Elaboration
- STARD 2015 - Diagnostic Accuracy Studies
- TiDiEER Checklist - Reporting of Interventions
- Very Preterm Birth Studies (Pediatrics 2016)

## Laboratory
- Liggins Institute Analytical Capabilities

## Training
- NIH Protecting Human Subjects certificate
- NIH GCP course
- ROCHE GCP course (runs best in Firefox)
- Cultural Competency
- Infection control
- Definition of Research and Audit
- Classification of Observational Studies
- Introductory Online Statistics Course

## Key Links
### ANZ
- Australia & New Zealand Clinical Trials Register (ANZCTR)
- Health and Disability Ethics Committees NZ (HDEC)
- Health Research Council NZ (HRC)
- IMPACT Clinical Trials Network
- MedSafe NZ
- Neonatal Unit Contacts NZ
- Online Forms NZ (HDEC / SCOTT)
- DHB Research Contacts
- Therapeutic Goods Agency (TGA) Australia
- Kidz First Neonatal Research
- Cure Kids Portal
- Ministry of Health NZ

### International
- Cochrane Neonatal
- Cochrane Pregnancy
- Cochrane Childhealth
- Global Obstetrics Network (GoNET)
- ICH GCP
- NIH Clinical Research Toolkit
- Trial Forge UK
- Trial Managers Network
• CCRH SharePoint (runs best in IE)
• Liggins VPN Access
• University of Auckland Staff Intranet
• Space statistics
• LiFePATH Admin
• CCRH Randomisation Demo (code 991000tst)
• CCRH Data Environment
• DAMOCLES - Charter for Clinical Trial Data Monitoring Committees
• ERCIN 2011 - Standards Requirements for GCP-Compliant Data Management in Multinational Clinical Trials
• NAESS 2019 - Neonatal Adverse Event Severity Scale (INC)

Synthesis & Translation

• PRISMA-P 2015 - Preferred Reporting for Systematic Review and Meta-analysis Protocols
• PRISMA 2009 - Preferred Reporting Items for Systematic Reviews and Meta-analyses
• PRISMA-IPD 2015 - Preferred Reporting Items for a Systematic Review and Meta-analysis of Individual Participant Data
• PRISMA Extension 2015 - Network Meta-analyses
• PRISMA-C Extension 2016 - Systematic Reviews and Meta-analyses of Newborn and Child Health Research
• MOOSE - Reporting of Meta-analysis of Observational Studies in Epidemiology
• GRADE - Grading Quality of Evidence and Strength of Recommendations
• GRADE - Non-Randomised Studies
• AGREE II - Assessing Quality and Reporting of Practice Guidelines
• PROSPERO Registration of Systematic Reviews - Checklist
• ROBINS-I - Risk of Bias In Non-randomized Studies of Interventions
• Risk of Bias Tool for Observational Studies
• Meta-analysis of Animal Studies
• Median to Mean Calculator