**DATABASE**

UCL Centre for Obesity Research

Obesity Research Biobank Syndicate (ORBiS)

* **Potential Versions**
  + UCLH Bariatric Centre for Weight Management and Bariatric Surgery
    - All patients in the service
    - Tier 3
    - Patients undergoing surgery
    - Clinical Trial (each with separate?)
  + ORBiS
    - Participant Identifier Number allocation
    - Tissue storage and analysis details

Ideally, one master database with each patient having a multi-tabulated profile. Tabs link to pages with all relevant information for a certain topic or clinical trial (see table).

* **Hospitals**

At the outset, most will be in Greater London.

* + UCLH
  + Whittington Hospital
  + Chichester

To be confirmed (study-dependent sites)

* + Homerton Hospital
  + St George’s
  + Luton & Dunstable

Once established locally, further regions across the UK may be recruited.

* **Locations**
  + Outpatient clinic – this is likely to be where most data are entered
  + Wards (peri-operative data)
  + Research staff computers
  + Laboratory / UCL Centre for Obesity Research (genetics, research findings, tissues received)

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| **FIELD** | **DATA POINT** | **SOURCE** |
| **Demographics** | Hospital ID / Patient Identifier Number  NHS number  Name  Age  Sex (biological)  Gender (as stated by patient)  Ethnicity  Postcode  Occupation  Education level  Marital status  Source of referral (GP/self-referral/secondary care)  Funding category (public/self-pay/private insurer) | Hospital records  GP letter  Case Report Form for studies |
| **Medical History** | Comorbidities  Expand further for:   * Hypertension * Hyperlipidaemia * CVD * Stroke * Respiratory (esp. asthma) * Sleep disorders (esp. OSA) * Cancer * GORD * Liver disease * Arthritis * Psychiatric Hx (esp. Depression)   Surgical history  Diabetes   * T1 or 2/GDM * Duration * Medication * HbA1c * Diabetic scores (DiaRem/DiaBetter)   Obstetric & Gynaecological Hx   * Menstrual: Current menstrual status, LMP, Cycle length * Pregnancy: Gravida\_Para\_, Dates. *(For male patients, list children + dates)* * Birth control methods * Pregnancy plans for future * Hx gynae problems (PCOS, infertility, ovarian disease) | Hospital records  Patient  GP letters |
| **Family History** | Obesity  Bariatric surgery – what was outcome?  T2D  IHD/cardiovascular events |  |
| **Drug History** | Medications log   * Start/stop dates * Reason for use * Dose + Rx regime |  |
| **Functional status** | Overall assessment (flights of stairs parameter)  ASA grade *(?here or in work-up for surgery section)*  Activities of Daily Living   * Independent or receives care assistance (private/NHS) * Mobility level   Physical Activity   * Frequency * Duration * Type of activity |  |
| **Social History** | Smoking Hx   * Current/Ex/Never * Medium smoked * Dates * Cessation meds   Alcohol Hx   * Frequency * Volume * Binge frequency   Drugs of abuse |  |
| **Weight Management History** | Weight management   * Diets * Exercise programmes * Medications * Tier 3   Date first seen in Obesity Service   * T3/4 clinic 1st appointment | Patient  Bariatric OP notes |
| **Lifestyle** | Eating behaviours  Food preferences (Power of Food)  Taste and Smell questionnaire  Eating disorders | Questionnaires  Bariatric OP notes |
| **Bariatric Work-up** | Investigations pre-op   * Observations/vital signs * Blood tests * Scan reports * DEXA * Bio-Impedance Analysis * OGD +/- H. pylori, histology * Meal test * Functional capacity assessments (STS, 6MWT, Handgrip) * EOSS (Edmonton Obesity Severity Score) * ASA grade | Hospital CDR  Bariatric OP notes  Peri-operative docs |
| **Bariatric Surgery** | Site / hospital  Surgeon  Operation type  Date   * Date of surgery * Interval from 1st entry to bariatric service to surgery   Length of stay  Complications (30-day)  Re-admission (30-day)  Re-operation (30-day) | Op notes  Inpatient records  Discharge summary |
| **Bariatric Follow-up** | Date of each appointment  Who seen  Weight loss + BMI measures  Key notes on:   * Progress * Surgical complications * Medical complications * Eating behaviours   Re-operation – when, why, where, what op  Re-admission  Mortality  Follow up investigation results  Vitamin/Mineral supplement compliance  PROMs  HRQoL questionnaires (SF-36, IWQOL-Lite, BDI)  Socio-economic outcomes – Return to work  *Need to be able to add sections here for each year of F/U, but can keep the form standardised* | Bariatric OP notes  Hospital results reporting system  Questionnaires |
| **Genetics** | Type of sample (blood/saliva)  Genotype  SNP profile  Exome profile  Tissues obtained  Date +/- expiry date  Current location (UCL/RFH)  Analysis done (which tests/assays) + results  Released to which studies |  |
| **Clinical Trials / Research Studies** | One tab for each trial patient is entered in to.   * BariLifestyle * LiraBariatric * Gravitas * FTO * GOAT * CNS/Taste imaging * HPB imaging | Case report forms for RCT  Link to each trial database |