Clinical Research Center (CRC)

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Clinical Research Center (CRC)
https://www.indianactsi.org/programs/icrcpu
Stone Hall and Lyles-Porter Hall
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The Indiana CTSI Clinical Research Center (CRC) provides space, nursing, and sample processing support to conduct academic and industry sponsored clinical research studies for both inpatient and outpatient visits. The program maintains facilities at both Indiana and Purdue Universities, and is available for use by researchers from both institutions. Medically trained staff provides services and support in phlebotomy, intravenous catheter placement, serial blood draws, infusions/injections, protocol development, and reference lab tests.

The bionutrition staff supports CRC investigators’ research by providing dietary expertise and nutrition research services including:

- **Budget Consultation**: Assist in developing estimates of protocol-specific costs for bionutrition services including research diet prep labor, food, and supplies.
- **Research Diets**: Design of study-specific menus for nutrient-controlled research protocols.
- **Meal Preparation and Service**: Preparation of research diets, weighed to the nearest 0.1 gram, for study participants including controlled research meals, post-testing snacks, and courtesy meals for on-site or off-site consumption.
- **Nutritional Counseling**: Guidance and design of protocol-specific diet instructions for study participants.
- **Dietary Recalls and Diaries**: Administration, review, entry, and analysis of dietary records collected for one or more days.
- **Nutritional Analysis**: Computerized analysis of dietary intake using state of the art software, including NDS-R.
- **Dietary Homogenates**: Preparation of dietary composites for laboratory nutrient analysis.
- **Oversight of Subject Randomization, Coding, and/or Blinding for Dietary Protocols**: Tracking of subject randomization codes for researchers. Administration of blinded dietary treatments.
- A fully equipped and staffed metabolic research kitchen. (New kitchen opening 2016)

The Indiana Clinical Research Center at Purdue (ICRC@Purdue) facilities include: Newly renovated space in Stone Hall,
New space in Lyles-Porter Hall

- Hospital style visit space with adjustable beds, phlebotomy chairs (recliners), interview rooms, and dining rooms.
- Space for Intravenous catheterization, phlebotomy, Infusion, Indirect calorimetry controlled feeding.
- Whole body plethysmography.
- Indirect calorimetry energy expenditure systems
- Breath hydrogen analyzer
- Biological specimen processing and storage area with refrigerated centrifuge, refrigerator, freezer, refractometer and computer
- Intravenous infusion pumps
- Electrocardiogram equipment
Blood pressure monitors
anthropometric equipment - Stadiometer, scales, calipers, measuring tapes
A bone measurement area, with dual-energy X-ray absorptiometry and peripheral quantitative computerized tomography instruments.
Staff services available for Phlebotomy, Intravenous catheterization, IV injection, IV infusion, Medication / Supplement inventory management and distribution.

Authors: Doug Maish, Purdue University Office of Research and Partnerships

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