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16th June 2022

Infection Services Division: Research in Specialist & Reference Units

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Research, Development & Evaluation in Infection Division

- Embedded in Clinical & Diagnostic Services

Acronym	Title	Coverage
ARU	Anaerobe Reference Unit	UK
CRU	Cryptosporidium Reference Unit	Wales & England
MRL	Mycology Reference Laboratory	Wales
SACU	Specialist Antimicrobial Chemotherapy Unit	Wales
TRU	Toxoplasma Reference Unit	Wales & England
WCM	Welsh Centre for Mycobacteria	Wales & SW England

Kevin W Ng, Catherine Moore, et al. Pre-existing and de novo humoral immunity to SARS-CoV-2 in humans. Science. 2020 Dec 11; 370(6522): 1339-1343.

H.-K. Li, H Hughes, et al. Oral versus Intravenous Antibiotics for Bone and Joint Infection. N Engl J Med 2019; 380: 425-436.



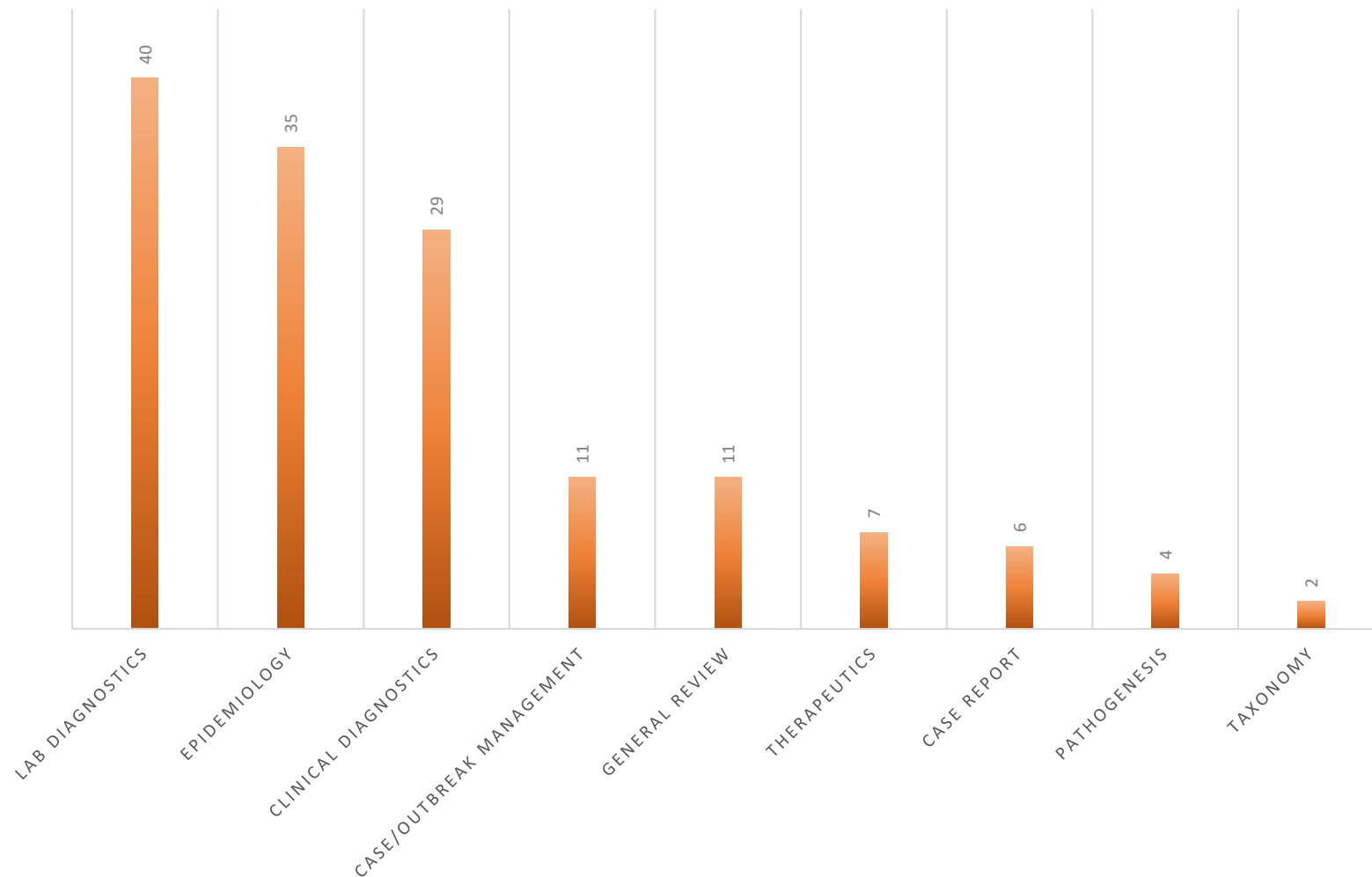
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RDE activity

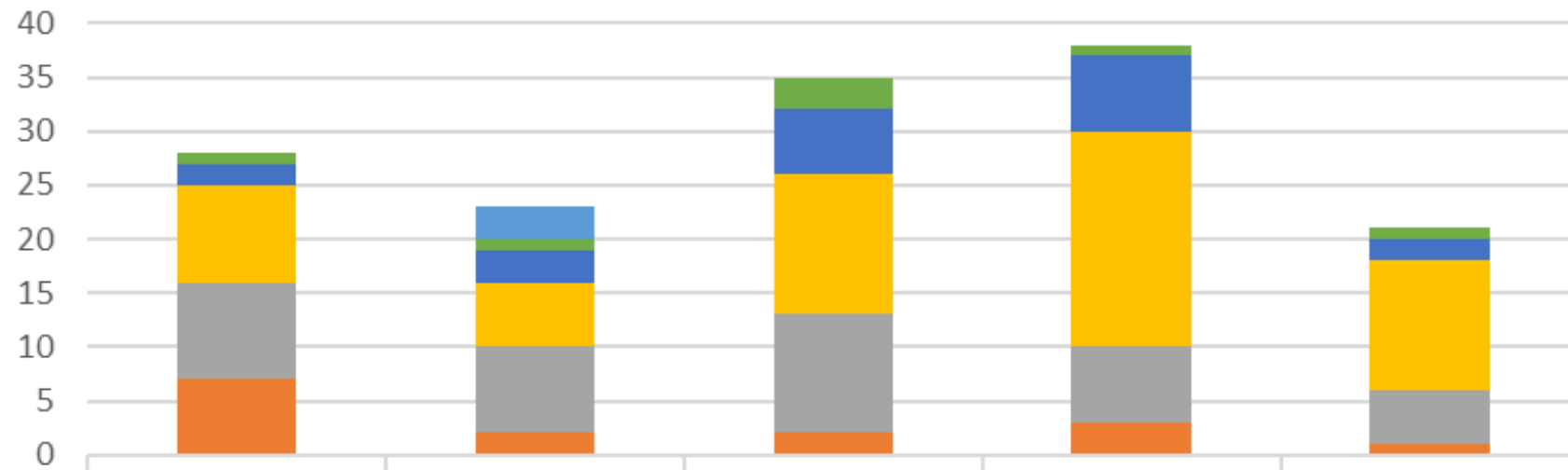
- Lab diagnostics
- Epidemiology
- Clinical diagnostics
- Case/Outbreak Management
- General review
- Therapeutics
- Case Report
- Pathogenesis
- Taxonomy

ACTIVITY BY CATEGORY



Outputs

Publications by Unit, 2018- present



	2018	2019	2020	2021	2022
WCM		3			
TRU	1	1	3	1	1
SACU	2	3	6	7	2
MRL	9	6	13	20	12
CRU	9	8	11	7	5
ARU	7	2	2	3	1



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Outputs & Impact

- Publication impact easy to measure
- Clinical impact difficult to measure

Journal	Number of papers	Impact Factor
Journal of Antimicrobial Chemotherapy	11	5.217
Anaerobe	8	2.64
Journal of Clinical Microbiology	8	4.362
Journal of Fungi	8	5.816
Clinical Infectious Diseases	6	9.069
Lancet Infectious Diseases	5	25.071
Medical Mycology	5	2.851
Food and Waterborne Parasitology	4	4.073
Clinical Microbiology & Infection	3	7.117
Current Fungal Infection Reports	3	0.413
Journal of Infectious Diseases	3	5.226
Methods in Molecular Biology	3	1.37
Parasites and Vectors	3	3.035
Nature Microbiology	2	17.74
British Medical Journal	1	39.89
Cochrane Database of Systematic Reviews	1	9.289
European Respiratory Journal	1	16.67
Intensive Care Medicine	1	17.44
JAMA	1	56.27
Nature Communications	1	14.92
Nature Reviews Microbiology	1	60.63
New England Journal of Medicine	1	91.24



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Ongoing research

- 29 recently completed projects
- 69 current projects
- 35 future projects



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Challenges

- Staffing.
- Equipment
- Space
- Bioinformatics support
- BREXIT.
- Research Governance
- Research administrative support
- Access to relevant journals
- Journal publication fees

Recognition and support by Public Health Wales of the importance of health care research underpinning service development, which is greatly appreciated.

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