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449. First Aid Department, Luigi Curto Hospital, Polla, Salerno, Italy

450. U.O.C. Laboratorio di Genetica Umana, IRCCS Istituto G. Gaslini, Genova, Italy

451. Infectious Diseases Clinics, University of Modena and Reggio Emilia, Modena, Italy

452. Department of Respiratory Diseases, Azienda Ospedaliera di Cremona, Cremona, Italy

453. U.O.C. Medicina, ASST Nord Milano, Ospedale Bassini, Cinisello Balsamo (MI), Italy

454. Istituto Auxologico Italiano, IRCCS, Department of Cardiovascular, Neural and Metabolic Sciences, San Luca Hospital, Milan, Italy

455. Department of Medicine and Surgery, University of Milano-Bicocca, Milan, Italy

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457. Istituto Auxologico Italiano, IRCCS, Laboratory of Cardiovascular Genetics, Milan, Italy

458. Unit of Infectious Diseases, ASST Papa Giovanni XXIII Hospital, Bergamo, Italy

459. Istituti Clinici Scientifici Maugeri IRCCS, Department of Cardiology, Institute of Montescano, Pavia, Italy

460. Istituti Clinici Scientifici Maugeri, IRCCS, Department of Cardiac Rehabilitation, Institute of Tradate (VA), Italy

461. Cardiac Rehabilitation Unit, Fondazione Salvatore Maugeri, IRCCS, Scientific Institute of Milan, Milan, Italy

462. IRCCS C. Mondino Foundation, Pavia, Italy

463. Medical Genetics Unit, Meyer Children's University Hospital, Florence, Italy

464. Department of Medicine, Pneumology Unit, Misericordia Hospital, Grosseto, Italy

465. Department of Preventive Medicine, Azienda USL Toscana Sud Est, Italy

466. Department of Anesthesia and Intensive Care Unit, ASST Fatebenefratelli Sacco, Luigi Sacco Hospital, Polo Universitario, University of Milan, Milan, Italy

467. Health Management, Azienda USL Toscana Sudest, Tuscany, Italy

468. Department of Mathematics, University of Pavia, Pavia, Italy

469. Independent Data Scientist, Milan, Italy

470. Scuola Normale Superiore, Pisa, Italy

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474. Med Biotech Hub and Competence Center, Department of Medical Biotechnologies, University of Siena,Siena, Italy Italy

475. Core Research Laboratory, ISPRO, Florence, Italy

476. Analytic & Translational Genetics Unit, Massachusetts General Hospital, Boston, MA, USA. Stanley Center for Psychiatric Research & Program in Medical and Population Genetics, Broad Institute of MIT and Harvard, Cambridge, MA, USA

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478. Division of Infectious Diseases and Immunology, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy

479. Department of Molecular and Translational Medicine, University of Brescia, Italy

480. Clinical Chemistry Laboratory, Cytogenetics and Molecular Genetics Section, Diagnostic Department, ASST Spedali Civili di Brescia, Italy

481. Department of Medical and Surgical Sciences for Children and Adults, University of Modena and Reggio Emilia, Modena, Italy

482. Department of Molecular Medicine, University of Padova, Italy

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484. Clinical Trial Office, Fondazione IRCCS Casa Sollievo della Sofferenza Hospital, San Giovanni Rotondo, Italy

485. Department of Health Sciences, University of Genova, Genova, Italy

486. Study Coordinator Oncologia Medica e Ufficio Flussi Sondrio, Italy

487. Local Health Unit-Pharmaceutical Department of Grosseto, Toscana Sud Est Local Health Unit, Grosseto, Italy

488. Independent Scientist, Milan, Italy

489. Direzione Scientifica, Istituti Clinici Scientifici Maugeri IRCCS, Pavia, Italy

490. Fondazione per la ricerca Ospedale di Bergamo, Bergamo, Italy

491. Allelica Inc, New York, NY, USA

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493. School of Basic and Medical Biosciences, Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom

494. Medical and Population Genomics, Wellcome Sanger Institute, Hinxton, UK

495. Bradford Institute for Health Research, Bradford Teaching Hospitals National Health Service (NHS) Foundation Trust, Bradford, UK

496. Blizard Institute, 4 Newark Street, Queen Mary University of London

497. Institute of Population Health Sciences, 4 Newark Street, Queen Mary University of London, London, United Kingdom

498. Genes & Health, Blizard Institute, Queen Mary University of London, E1 2AT, London, United Kingdom

499. Institute of Population Health Sciences, 4 Newark Street, Queen Mary University of London

500. Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA

501. Heart Institute (InCor)/Univ Sao Paulo Med Sch, São Paulo, Brazil

502. Genentech, San Fransisco, CA, USA

503. DNA Link, Seoul, Republic of Korea

504. Seoul National University Hospital Gangnam Center, Seoul, Republic of Korea

505. Division of Infectious Diseases, Department of Internal Medicine, Chungnam National University School of Medicine, Daejeon, Republic of Korea

506. Division of Infectious Disease, Department of Internal Medicine, Chungnam National Univsersity School of Medicine, Daejeon, Republic of Korea

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508. Incheon Medical Center, Incheon, Republic of Korea

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510. Department of Internal Medicine, Pusan National University School of Medicine and Medical Research Institute, Pusan National University Hospital, Busan, Republic of Korea.

511. Myongji Hospital, Goyang, Republic of Korea

512. Gradate School of Public Health, Yonsei University, Seoul, Republic of Korea

513. Stanford University, Division of Cardiovascular Medicine, Stanford, USA

514. Stanford University, Departments of Medicine and Genetics, Stanford, USA

515. Stanford University, Division of Cardiovascular Medicine , Stanford, USA

516. Stanford University, Department of Biomedical Data Science, Stanford, USA

517. Stanford University, Departments of Genetics and Biomedical Data Science, Stanford, USA

518. Stanford University, Department of Pathology, Stanford, USA

519. Illumina, Inc, San Diego, CA, USA

520. Computational Biology, Drug Discovery Sciences, Takeda Pharmaceuticals, Boston, MA, USA

521. Department of Computational Biology, and Swiss Institute of Bioinformatics (SIB), University of Lausanne, Lausanne, Switzerland

522. Stanford University, Dept of Pathology, Stanford, USA

523. Royal Victoria Hospital, Belfast, NI

524. Chelsea & Westminster NHS Foundation Trust, London, UK

525. Northampton General Hospital NHS Trust, Northampton, UK

526. Wrexham Maelor Hospital, Wrexham, Wales

527. University College Dublin, St Vincent's University Hospital, Dublin, Ireland

528. University Hospitals Coventry & Warwickshire NHS Trust, Coventry, UK

529. Watford General Hospital, Watford, UK

530. NIHR Health Protection Research Unit, Institute of Infection, Veterinary and Ecological Sciences, Faculty of Health and Life Sciences, University of Liverpool, Liverpool, UK

531. Queen Alexandra Hospital (Hampshire), Portsmouth Hospital Trust, Hampshire, UK

532. Princess Royal Hospital, Brighton & Sussex Universities Hospitals NHS Trust, Brighton, UK

533. Bassettlaw Hospital, Doncaster and Bassetlaw, Nottinghamshire, UK

534. Darent Valley Hospital, Dartford & Gravesham NHS Trust, Kent, UK

535. High Containment Laboratories, University of Birmingham, Birmingham, UK

536. Queen Elizabeth the Queen Mother Hospital, Margate, East Kent Hospitals NHS Foundation Trust, Kent, UK

537. John Radcliffe Hospital, Oxford University Hospitals NHS Foundation Trust, Oxford, UK

538. Royal Albert Edward Infirmary (Wigan), Wrightington, Wigan and Leigh, Wigan, UK

539. Manchester Royal Infirmary, Manchester University Hospitals NHS Foundation Trust, Manchester, UK

540. Furness General Hospital, Morecambe Bay NHS Foundation Trust, Cumbria, UK

541. Castle Hill Hospital , Hull University Teaching Hospital Trust, Hull, UK

542. Hillingdon Hospital, Hillingdon Hospital, London, UK

543. St Thomas Hospital, Guys and St Thomas Foundation Trust, London, UK

544. University Hospitals Coventry and Warwickshire, Coventry, UK

545. St Michaels Hospital (Bristol), University Hospitals Bristol and Weston NHS Foundation Trust, Bristol, UK

546. Stepping Hill Hospital, Stockport NHS Foundation Trust, Manchester, UK

547. Royal Liverpool Hospital, Liverpool University Hospitals NHS Foundation Trust, Liverpool, UK

548. Bristol Royal Hospital (Children's), University Hospitals Bristol and Weston NHS Foundation Trust, Bristol, UK

549. Scarborough Hospital, York teaching Hospitals NHS Foundation Trust, York, UK

550. Liverpool Heart & Chest Hospital, Liverpool Heart & Chest NHS Foundation Trust, Liverpool, UK

551. James Paget University Hospital, James Paget University Hospitals NHS Foundation Trust, Norfolk, UK

552. The James Cook University Hospital, South Tees NHS Foundation Trust, Middlesborough, UK

553. Aberdeen Royal Infirmary, Grampian, Aberdeen, UK

554. University of Edinburgh, Edinburgh, UK

555. Royal Devon and Exeter Hospital, Royal Devon and Exeter NHS Foudation Trust, Exeter, UK

556. Worcestershire Royal Hospital, Worcestershire Acute Hospitals NHS Trust, Worcester, UK

557. Conquest Hospital, Hastings, East Sussex Healthcare NHS Trust, Sussex, UK

558. Dorset County Hospital, Dorset County Hospital NHS Foundation Trust, Dorset, UK

559. Royal Bournemouth General Hospital, University Hospitals Dorset NHS Foundation Trust, Bournemouth, UK

560. Harrogate Hospital, Harrogate and District NHS Foundation Trust, Harrogate, UK

561. Burnley General Teaching Hospital, East Lancashire Hospitals NHS Hospitals, Burnley, UK

562. Torbay Hospital, Torbay & South Devon NHS Foundation Trust, Torquay, UK

563. Royal Hallamshire Hospital, Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, UK

564. St Georges Hospital (Tooting), St Georges University Hospitals NHS Foundation Trust, London, UK

565. Blackpool Victoria Hospital, Blackpool Teaching Hospitals NHS Foundation Trust, Blackpool, UK

566. The Royal London Hospital, Barts Health NHS Trust, London, UK

567. Salford Royal NHS Foundation Trust, Salford Royal NHS Foundation Trust, Manchester, UK

568. University Hospital of North Durham, County Durham and Darlington Foundation Trust, Durham, UK

569. Norfolk & Norwich University Hospital , Norfolk and Norwich University Hospital NHS Foundation Trust, Norfolk, UK

570. Salisbury District Hospital, Salisbury NHS Foundation Trust, Salisbury, UK

571. St Thomas, Guys and St Thomas Foundation Trust, London, UK

572. Fairfield General Hospital, Pennine Acute Hospitals NHS Trust, Manchester, UK

573. Hereford County Hospital, Wye Valley NHS Trust, Hereford, UK

574. Southampton General Hospital, University Hospital Southampton NHS Foundation Trust, Southampton, UK

575. Northampton General Hospital, Northampton General Hospital NHS Trust, Northampton, UK

576. University Hospital of Wales, Cardiff and Vale University Health Board, Cardiff, UK

577. University of Bristol, Bristol, UK

578. Leighton Hospital, Mid Cheshire Hospitals NHS Foundation Trust, Cheshire, UK

579. Diana Princess of Wales Hospital (Grimsby), North Lincolnshire & Goole, Grimsby, UK

580. Manor Hospital, Walsall Healthcare NHS Trust, Walsall, UK

581. Addenbrookes Hospital, Cambridge University Hospital NHS Foundation Trust, Cambridge, UK

582. West Suffolk Hospital, West Suffolk Hospital NHS Foundation Trust, Suffolk, UK

583. Basingstoke and North Hampshire Hospital, Hampshire Hospitals NHS Foundation Trust, Hampshire, UK

584. North Cumbria Integrated Care NHS Foundation Trust, Cumbria, UK

585. Warwick Hospital, South Warwickshire NHS Foundation Trust, Warwick, UK

586. Birmingham Women and Children's Hospital , Birmingham Womens Childrens Hospital, Birmingham, UK

587. Nottingham City Hospital, Nottingham University Hospitals NHS Trust, Nottingham, UK

588. Glangwili Hospital Child Health Section, Hywel Dda University Health Board, Carmarthen, UK

589. Alder Hey Children's Hospital, Alder Hey Children's NHS Foundation Trust, Liverpool, UK

590. Bronglais General Hospital, Hywel Dda University Health Board, Aberystwyth, UK

591. Worthing Hospital, Western Sussex Hospitals NHS Foundation Trust, Sussex, UK

592. Rotheram District General Hospital, The Rotheram NHS Foundation Trust, Rotherham, UK

593. Royal Free Hospital, Royal Free London NHS Foundation Trust, London, UK

594. Homerton Hospital, Homerton University Hospital NHS Foundation Trust, London, UK

595. Airedale Hospital, Airedale NHS Foundation Trust, Keighley, UK

596. Basildon Hospital, Basildon and Thurrock University Hospitals NHS Foundation Trust, Essex, UK

597. The Christie NHS Foundation Trus, The Christie NHS Foundation Trust, Manchester, UK

598. Queen Elizabeth Hospital (Greenwich), Lewisham and Greenwich NHS Trust, London, UK

599. The Whittington Hospital, Whittington Health NHS Trust, London, UK

600. Sheffield Childrens Hospital , Sheffield Children's NHS Foundation Trust, Sheffield, UK

601. Royal United Hospital, Bath, Royal United Hospitals Bath NHS Foundation Trust, Bath, UK

602. Western General Hospital, Edinburgh, Lothian, UK

603. Mid and South Essex NHS Foundation Trust, Essex, UK

604. Hinchingbrooke Hospital, North West Anglia NHS Foundation Trust, Peterborough, UK

605. Royal Preston Hospital, Lancashire Teaching Hospitals NHS Foundation Trust, Preston, UK

606. University Hospital (Coventry) , University Hospitals Coventry and Warwickshire, Coventry, UK

607. The Walton Centre, The Walton Centre, Liverpool, UK

608. Hull Royal Infirmary, Hull University Teaching Hospital Trust, Hull, UK

609. Darlington Memorial Hospital, County Durham and Darlington Foundation Trust, Darlington, UK

610. Queen Elizabeth Hospital (Gateshead), Gateshead NHS Foundation Trust, Newcastle, UK

611. Warrington Hospital, Warrington & Halton Hospitals NHS Foundation Trust, Warrington, UK

612. University Hospitals Bristol and Weston NHS Foundation Trust, Bristol, UK

613. St Mary's Hospital (Isle of Wight), Isle of Wight NHS Trust, Isle of Wight, UK

614. The Maidstone Hospital, Maidstone & Tunbridge Wells NHS Trust, Maidstone, UK

615. Huddersfield Royal, Calderdale and Huddersfield NHS Foundation Trust, Huddersfield, UK

616. Royal Surrey County Hospital, Surrey, UK

617. Countess of Chester Hospital, Countess of Chester Hospital NHS Foundation Trust, Chester, UK

618. Frimley Park Hospital, Frimley Health Foundation Trust, Surrey, UK

619. Royal Hallamshire Hospital, Sheffield Teaching Hospitals NHS FoundationTrust, Sheffield, UK

620. Leeds General Infirmary, Leeds Teaching Hospitals, Leeds, UK

621. North Middlesex Hospital, North Middlesex University Hospital NHS Trust, London, UK

622. Arrowe Park Hospital, Wirral University Teaching Hospital NHS Foundation Trust, Wirral, UK

623. Great Ormond Street Hospital, Great Ormond Street Hospital for Children NHS Foundation Trust, London, UK

624. Royal Shrewsbury Hospital, Shrewsbury and Telford Hospital NHS Trust, Shropshire, UK

625. East Surrey Hospital (Redhill), Surrey & Sussex Healthcare, Surrey, UK

626. Burton Hospital, University Hospitals of Derby & Burton NHS Foundation Trust, Burtom, UK

627. Kent and Canterbury Hospital, East Kent Hospitals NHS Foundation Trust, Kent, UK

628. Weston Area General Trust, University Hospitals Bristol and Weston NHS Foundation Trust, Bristol, UK

629. Luton and Dunstable University Hospital, Bedford, UK

630. Glasgow Royal Infirmary, Greater Glasgow and Clyde, Glasgow, UK

631. Derbyshire Healthcare, Derbyshire Healthcare, Derby, UK

632. Macclesfield General Hospital, East Cheshire NHS Foundation Trust, Cheshire, UK

633. Chelsea and Westminster Hospital, Chelsea and Westminster NHS Trust, London, UK

634. Institute of Microbiology and Infection, University of Birmingham, Birmingham, UK

635. Prince Philip Hospital, Hwyel Dda University Health Board, Llanelli, Wales

636. George Eliot Hospital - Acute Services, George Eliot Hospital, Nuneaton, UK

637. Kettering General Hospital, Kettering General Hospital NHS Foundation Trust, Kettering, UK

638. Heartlands Hospital, Birmingham, Birmingham, UK

639. Russells Hall Hospital, The Dudley Group NHS Foundation Trust, Dudley, UK

640. Harefield Hospital , Royal Brompton & Harefield Trust, London, UK

641. Lister Hospital, East and North Hertfordshire NHS Trust, Stevenage, UK

642. Musgrove Park Hospital (Taunton & Somerset), Somerset NHS Foundation Trust, Somerset, UK

643. Queen's Hospital, Havering (Romford), Barking, Havering and Redbridge University Hospitals NHS Trust, London, UK

644. Southport & Formby District General Hospital, Southport and Ormskirk Hospital NHS Trust, Southport, UK

645. New Cross Hospital, The Royal Wolverhampton NHS Trust, Wolverhampton, UK

646. Kings College Hospital (Denmark Hill), London, UK

647. The Royal Victoria Infirmary, Newcastle Hospitals NHS Trust, Newcastle, UK

648. The Great Western Hospital, Great Western Hospitals NHS Foundation Trust, Swindon, UK

649. Ninewells Hospital, Tayside, Dundee, UK

650. Poole Hospital NHS Trust, Dorset, UK

651. Burton Hospital, University Hospitals of Derby & Burton NHS Foundation Trust, Derby, UK

652. William Harvey Hospital, Ashford, East Kent Hospitals NHS Foundation Trust, Kent, UK

653. Kings Mill Hospital, Sherwood Forest Hospitals NHS Foundation Trust, Nottinghamshire, UK

654. Liverpool Women's NHS Foundation Trust, Liverpool, UK

655. Dewsbury Hospital, Mid Yorkshire Hospitals NHS Trust, Dewsbury, UK

656. Northern Devon District Hospital, Northern Devon Healthcare NHS Trust, Devon, UK

657. Tameside General Hospital, Tameside and Glossop Integrated Care NHS Foundation Trust, Manchester, UK

658. Sandwell General Hospital, Sandwell And West Birmingham Hospitals NHS Trust, Birmingham, UK

659. Broomfield Hospital, Mid and South Essex University Hospitals Group, Essex, UK

660. Wycombe Hospital, Buckingham Healthcare NHS Trust, Buckinghamshire, UK

661. University Hospital of North Tees, North Tees and Hartlepool NHS Trust, Stockton-on-Tees, UK

662. Royal Manchester Children's Hospital, Manchester University Hospitals NHS Foundation Trust, Manchester, UK

663. Bedford Hospital, Bedford, UK

664. Colchester General Hospital, East Suffolk and North Essex Foundation Trust, Essex, UK

665. Queen Elizabeth Hospital (Birmingham) and Heartlands, University Hospital Birmingham NHS Foundation Trust, Birmingham, UK

666. Chesterfield Royal Hospital, Chesterfield Royal Hospital NHS Foundation Trust, Chesterfield, UK

667. Princess Alexandra Hospital, The Princess Alexandra Hospital NHS Trust, Essex, UK

668. Watford General Hospital, West Hertfordshire Hospitals NHS Trust, Watford, UK

669. Milton Keynes Hospital, Milton Keynes University Hospital NHS Foundation Trust, Milton Keynes, UK

670. Royal Bolton General Hospital, Bolton Foundation Trust, Bolton, UK

671. Royal Gwent (Newport), Aneurin Bevan University Health Board, Newport, UK

672. The Royal Marsden Hospital (London), The Royal Marsden NHS Foundation Trust, London, UK

673. Queen Victoria Hospital (East Grinstead), Queen Victoria Hospital NHS Foundation Trust, Sussex, UK

674. County Hospital (Stafford), University Hospitals Of North Midlands NHS Trust, Stafford, UK

675. Whiston Hospital, St Helen's & Knowlsey Hospitals NHS Trust, Prescot, UK

676. Croydon University Hospital, Croydon University Hospital, London, UK

677. Gloucester Royal, Gloucestershire Hospitals NHS Foundation Trust, Gloucester, UK

678. Medway Maritime Hospital, Medway Maritime NHS Trust, Kent, UK

679. Royal Papworth Hospital Everard, Royal Papworth Hospital NHS Foundation Trust, Cambridge, UK

680. Derriford (Plymouth), University Hospital Plymouth NHS Trust, Plymouth, UK

681. St Helier Hospital, Epsom and St Helier University Hospital NHS Trust, London, UK

682. Royal Berkshire Hospital, Royal Berkshire Foundation Trust, London, UK

683. Bradford Royal Infirmary, Bradford Teaching Hospitals NHS Foundation Trust, Bradford, UK

684. Northwick Park, London North West University Hospital Trust, London, UK

685. Ealing Hospital, London North West University Hospital Trust, London, UK

686. Royal Cornwall Hospital (Tresliske), Royal Cornwall NHS Trust, Cornwall, UK

687. Ashford Hospital, Ashford & St. Peter's Hospital, Surrey, UK

688. Leicester Royal Infirmary (Includes Glenfield Site), University Hospitals of Leicester, Leicester, UK

689. Grantham and District Hospital, United Lincolnshire Hospitals NHS Trust, Grantham, UK

690. University Hospital Aintree, Liverpool University Hospitals NHS Foundation Trust, Liverpool, UK

691. North Tyneside General Hospital, Northumbria Healthcare NHS Trust, Northumbria, UK

692. Queen Elizabeth Hospital (King's Lynn), Queen Elizabeth Hospital, King's Lynn, NHS Foundation Trust, Norfolk, UK

693. The Crick Institute, London, UK

694. Genomics England, London, UK

695. William Harvey Research Institute, Barts and the London School of Medicine and Dentistry, Queen Mary University of London, London EC1M 6BQ, UK.

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699. MRC Human Genetics Unit, Institute of Genetics and Molecular Medicine, University of Edinburgh, Western General Hospital, Crewe Road, Edinburgh, EH4 2XU, UK.

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701. Genomics England, London, UK.

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706. Great Ormond Street Hospital for Children NHS Foundation Trust, London, UK.

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715. Liverpool Clinical Trials Centre, University of Liverpool, Liverpool, UK

716. Centre for Health Informatics, Division of Informatics, Imaging and Data Science, School of Health Sciences, Faculty of Biology, Medicine and Health, University of Manchester, Manchester Academic Health Science Centre, Manchester, UK

717. MRC Human Genetics Unit, MRC Institute of Genetics and Molecular Medicine, University of Edinburgh, Edinburgh, UK

718. School of Informatics, University of Edinburgh, Edinburgh, UK

719. Royal Hospital for Children, Glasgow, UK

720. William Harvey Research Institute, Barts and the London School of Medicine and Dentistry, Queen Mary University of London, London EC1M 6BQ, UK

721. MRC-University of Glasgow Centre for Virus Research, Institute of Infection, Immunity and Inflammation, College of Medical, Veterinary and Life Sciences, University of Glasgow, Glasgow, UK

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723. Wellcome Centre for Human Genetics, University of Oxford, Oxford, UK

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725. Department of Critical Care Medicine, Queen's University and Kingston Health Sciences Centre, Kingston, ON, Canada

726. Wellcome-Wolfson Institute for Experimental Medicine, Queen's University Belfast, Belfast, Northern Ireland, UK

727. Department of Intensive Care Medicine, Royal Victoria Hospital, Belfast, Northern Ireland, UK

728. UCL Centre for Human Health and Performance, London, W1T 7HA, UK

729. Clinical Research Centre at St Vincent's University Hospital, University College Dublin, Dublin, Ireland

730. National Heart and Lung Institute, Imperial College London, London, UK

731. Imperial College Healthcare NHS Trust:London,London,UK

732. NIHR Health Protection Research Unit for Emerging and Zoonotic Infections, Institute of Infection, Veterinary and Ecological Sciences University of Liverpool, Liverpool, L69 7BE, UK

733. Respiratory Medicine, Alder Hey Children's Hospital, Institute in The Park, University of Liverpool, Alder Hey Children's Hospital, Liverpool, UK

734. Department of Intensive Care Medicine, Guy's and St. Thomas NHS Foundation Trust, London, UK

735. Department of Medicine, University of Cambridge, Cambridge, UK

736. Airedale General Hospital, Keighley, UK

737. Barts Health NHS Trust, London, UK

738. Basildon Hospital, Basildon, UK

739. BHRUT (Barking Havering) - Queens Hospital and King George Hospital, Essex, UK

740. Bradford Royal Infirmary, Bradford, UK

741. Bronglais General Hospital, Aberystwyth, UK

742. Broomfield Hospital, Chelmsford, UK

743. Calderdale Royal Hospital, Halifax, UK

744. Charing Cross Hospital, St Mary's Hospital and Hammersmith Hospital, London, UK

745. Barnet Hospital, London, UK

746. Birmingham Children's Hospital, Birmingham, UK

747. St John's Hospital Livingston, Livingston, UK

748. Aberdeen Royal Infirmary, Aberdeen, UK

749. Addenbrooke's Hospital, Cambridge, UK

750. Aintree University Hospital, Liverpool, UK

751. aintree University Hospital, Liverpool, UK

752. Arrowe Park Hospital, Wirral, UK

753. Ashford and St Peter's Hospital, Surrey, UK

754. Basingstoke and North Hampshire Hospital, Basingstoke, UK

755. Borders General Hospital, Melrose, UK

756. Chesterfield Royal Hospital Foundation Trust, Chesterfield, UK

757. Eastbourne District General Hospital, East Sussex, UK and Conquest Hospital, East Sussex, UK

758. Barnsley Hospital, Barnsley, UK

759. Blackpool Victoria Hospital, Blackpool, UK

760. East Surrey Hospital, Redhill, UK

761. Good Hope Hospital, Birmingham, UK

762. Hereford County Hospital, Hereford, UK

763. Hull Royal Infirmary, Hull, UK

764. Hull Royal Infirmary, Hull, Uk

765. Kent & Canterbury Hospital, Canterbury, UK

766. Manchester Royal Infirmary, Manchester, UK

767. Nottingham University Hospital, Nottingham, UK

768. Pilgrim Hospital, Lincoln, UK

769. Queen Elizabeth Hospital, Birmingham, UK

770. Salford Royal Hospital, Manchester, UK

771. Tameside General Hospital, Ashton Under Lyne, UK

772. The Tunbridge Wells Hospital and Maidstone Hospital, Kent, UK

773. The Royal Oldham Hospital, Manchester, UK

774. The Royal Papworth Hospital, Cambridge, UK

775. University College Hospital, London, UK

776. Withybush General Hospital, Pembrokeshire, Wales

777. Wythenshawe Hospital, Manchester, UK

778. Yeovil Hospital, Yeovil, UK

779. Cumberland Infirmary, Carlisle, UK

780. Darent Valley Hospital, Dartford, UK

781. Dumfries and Galloway Royal Infirmary, Dumfries, UK

782. Ealing Hospital, Southall, UK

783. Fairfield General Hospital, Bury, UK

784. George Eliot Hospital NHS Trust, Nuneaton, UK

785. Glan Clwyd Hospital, Bodelwyddan, UK

786. Glangwili General Hospital, Camarthen, UK

787. The Great Western Hospital, Swindon, UK

788. Guys and St Thomas' Hospital, London, UK

789. Harefield Hospital, London, UK

790. Harrogate and District NHS Foundation Trust, Harrogate, UK

791. Heartlands Hospital, Birmingham, UK

792. James Paget University Hospital NHS Trust, Great Yarmouth, UK

793. King's College Hospital, London, UK

794. King's Mill Hospital, Nottingham, UK

795. Kingston Hospital, Surrey, UK

796. Lincoln County Hospital, Lincoln, UK

797. Liverpool Heart and Chest Hospital, Liverpool, UK

798. Macclesfield District General Hospital, Macclesfield, UK

799. Medway Maritime Hospital, Gillingham, UK

800. Milton Keynes University Hospital, Milton Keynes, UK

801. Morriston Hospital, Swansea, UK

802. National Hospital for Neurology and Neurosurgery, London, UK

803. Norfolk and Norwich University hospital (NNUH), Norwich, UK

804. North Middlesex University Hospital NHS trust, London, UK

805. north Middlesex University Hospital NHS trust, London, UK

806. Northumbria Healthcare NHS Foundation Trust, North Shields, UK

807. Peterborough City Hospital, Peterborough, UK

808. Prince Charles Hospital, Merthyr Tydfil, UK

809. Royal Sussex County Hospital, Brighton, UK

810. Princess Royal Hospital, Haywards Heath, UK

811. Princess of Wales Hospital, Llantrisant, UK

812. Queen Alexandra Hospital, Portsmouth, UK

813. Queen Elizabeth Hospital, Woolwich, London, UK

814. Queen Elizabeth the Queen Mother Hospital, Margate, UK

815. Queen Victoria Hospital, West Sussex, UK

816. Queens Hospital Burton, Burton-On-Trent, UK

817. Raigmore Hospital, Inverness, UK

818. Rotherham General Hospital, Rotherham, UK

819. Royal Blackburn Teaching Hospital, Blackburn, UK

820. Royal Preston Hospital, Preston, UK

821. Royal Surrey County Hospital, Guildford, UK

822. Royal Albert Edward Infirmary, Wigan, UK

823. The Royal Alexandra Children's Hospital, Brighton, UK

824. Royal Alexandra Hospital, Paisley, UK

825. Royal Bolton Hospital, Bolton, UK

826. University Hospitals Dorset NHS Foundation Trust

827. Royal Brompton Hospital, London, UK

828. Imperial College London, London, UK

829. Royal Cornwall Hospital, Truro, UK

830. Royal Free Hospital, London, UK

831. Royal Glamorgan Hospital, Pontyclun, UK

832. Royal Gwent Hospital, Newport, UK

833. Royal Hallamshire Hospital and Northern General Hospital, Sheffield, UK

834. Royal Hampshire County Hospital, Hampshire, UK

835. Royal Manchester Children's Hospital, Manchester, UK

836. Royal Stoke University Hospital, Staffordshire, UK

837. Salisbury District Hospital, Salisbury, UK

838. Sandwell General Hospital, Birmingham, UK

839. Scarborough General Hospital, Scarborough, UK

840. Scunthorpe General Hospital, Scunthorpe, UK

841. Southmead Hospital, Bristol, UK

842. St George's Hospital, London, UK

843. St Mary's Hospital, Newport, UK

844. Stoke Mandeville Hospital, Buckinghamshire, UK

845. Sunderland Royal Hospital, Sunderland, UK

846. Alexandra Hospital, Redditch and Worcester Royal Hospital, Worcester, UK

847. The Christie NHS Foundation Trust, Manchester, UK

848. The Queen Elizabeth Hospital, King's Lynn, UK

849. The Royal Liverpool University Hospital, Liverpool, UK

850. The Royal Marsden NHS Foundation Trust, London, UK

851. Torbay Hospital, Torquay, UK

852. University Hospital Monklands, Airdrie, UK

853. University Hospital Lewisham, London, UK

854. University Hospital North Durham, Darlington, UK

855. University Hospital of North Tees, Stockton on Tees, UK

856. University Hospital of Wales, Cardiff, UK

857. University Hospital Wishaw, Wishaw, UK

858. Victoria Hospital, Kirkcaldy, UK

859. Warrington General Hospital, Warrington, UK

860. West Cumberland Hospital, Whitehaven, UK

861. Western Sussex Hospitals, West Sussex, UK

862. Whiston Hospital, Prescot, UK

863. York Hospital, York, UK

864. Ysbyty Gwynedd, Bangor, UK

865. Countess of Chester Hospital, Chester, UK

866. Croydon University Hospital, Croydon, UK

867. Diana Princess of Wales Hospital, Grimsby, UK

868. Dorset County Hospital, Dorchester, UK

869. Forth Valley Royal Hospital, Falkirk, UK

870. Furness General Hospital, Barrow-in-Furness, UK

871. Alder Hey Children's Hospital, Liverpool, UK

872. Derriford Hospital, Plymouth, UK

873. Glasgow Royal Infirmary, Glasgow, UK

874. Glenfield Hospital, Leicester, UK

875. Gloucestershire Royal Hospital, Gloucester, UK

876. Golden Jubilee National Hospital, Clydebank, UK

877. Great Ormond St Hospital and UCL Great Ormond St Institute of Child Health NIHR Biomedical Research Centre, London, UK

878. Homerton University Hospital Foundation NHS Trust, London UK

879. James Cook University Hospital, Middlesbrough, UK

880. John Radcliffe Hospital, Oxford, UK

881. Leicester Royal Infirmary, Leicester, UK

882. Lister Hospital, Stevenage, UK

883. New Cross Hospital, Wolverhampton, UK

884. Royal Victoria Infirmary, Newcastle Upon Tyne, UK

885. Ninewells Hospital, Dundee, UK

886. North Devon District Hospital, Barnstaple, UK

887. North Manchester General Hospital, Manchester, UK

888. Northwick Park Hospital, London, UK

889. Prince Philip Hospital, Lianelli, UK

890. Pinderfields General Hospital, Wakefield, UK

891. Poole Hospital, Poole, UK

892. Royal Shrewsbury Hospital, Shrewsbury, UK

893. Princess Royal Hospital , Telford , UK

894. Princess Royal Hospital, Telford, UK

895. Princess Royal Hospital Telford, UK

896. Princess Royal Hospital Shrewsbury and Royal Shrewsbury Hospital, Shrewsbury, UK

897. Princess Royal Hospital , Telford, UK

898. Princess Royal Hospital,Telford, UK

899. Queen Elizabeth Hospital Gateshead, Gateshead, UK

900. Queen Elizabeth University Hospital, Glasgow, UK

901. Royal Berkshire NHS Foundation Trust, Berkshire, UK

902. Royal Derby Hospital, Derby, UK

903. Royal Devon and Exeter Hospital, Exeter, UK

904. Royal Infirmary of Edinburgh, Edinburgh, UK

905. Royal Lancaster Infirmary, Lancaster, UK

906. Royal United Hospital, Bath, UK

907. Russell's Hall Hospital, Dudley, UK

908. Sheffield Children's Hospital, Sheffield, UK

909. Southampton General Hospital, Southampton, UK

910. Southend University Hospital, Westcliff-on-Sea, UK

911. Southport and Formby District General Hospital, Ormskirk, UK

912. St James's University Hospital and Leeds General Infirmary, Leeds, UK

913. Bristol Royal Infirmary, Bristol, UK

914. Stepping Hill Hospital, Stockport, UK

915. The Princess Alexandra Hospital, Harlow, UK

916. University Hospital Crosshouse, Kilmarnock, UK

917. University Hospital Hairmyres, East Kilbride, UK

918. Craigavon Area Hospital

919. Warwick Hospital, Warwick, UK

920. West Middlesex Hospital, Isleworth, UK

921. Western General Hospital, Edinburgh, UK

922. Whittington Hospital, London, UK

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1041. Internal Medicine, Sano Kosei General Hospital, Sano Japan

1042. Saiseikai Yokohamashi Nanbu Hospital, Yokohama, Japan

1043. Kanagawa Cardiovascular and Respiratory Center, Yokohama, Japan

1044. Saiseikai Utsunomiya Hospital,Utsunomiya, Japan

1045. KKR Sapporo Medical Center, Department of Respiratory Medicine, Sapporo, Japan

1046. Internal Medicine, Internal Medicine Center, Showa University Koto Toyosu Hospital, Tokyo, Japan

1047. Department of Respiratory Medicine, Toyohashi Municipal Hospital, Toyohashi, Japan

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1049. National Hospital Organization Hokkaido Medical Center Department of Rheumatology, Sapporo, Japan

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1051. Department of Allergy, National Hospital Organization Tokyo Medical Center, Tokyo, Japan

1052. Department of General Internal Medicine and Infectious Diseases, National Hospital Organization Tokyo Medical Center, Tokyo, Japan

1053. Japanese Red Cross Musashino Hospital, Musashino, Japan

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1055. Nihon University School of Medicine, Department of Internal Medicine, Division of Respiratory Medicine, Tokyo, Japan

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1062. Tokyo Saiseikai Central Hospital, Tokyo, Japan

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