

Bundle Charitable Funds Advisory Group 21 March 2019

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CHARITABLE FUNDS ADVISORY GROUP COMMITTEE

Minutes of the Meeting Held on Thursday 31st January 2019 at 10.00am
Meeting Room 3 Carlton Court, St. Asaph

Present:

Ms Rebecca Hughes	Charitable Funds Accountant (Chair)
Mr Steve Morris	Lay Member
Ms Christine Hoyle	Lay Member & Former Haematology Consultant
Ms Tracy Sellar	Deputy General Manager, Medicine Directorate
Ms Emma Jones	Fundraising Team

In Attendance:

Ms Paula Clayton	Assistant Financial Charity Accountant
Ms Wendy Marles	Minute Taker

Agenda Item	Action
<p>CFAG19/01 APOLOGIES FOR ABSENCE & DECLARATION OF INTERESTS</p> <p>Apologies of absence were noted from Prof Rob Atenstaedt, Ms Beryl Roberts, Mr Ian Fearn, Ms Gail Critchley, Ms Ffion Johnstone, Ms Keeley Twigg, Ms Frances Vernon, Ms Eryl Gilliland and Ms Anne Dennis.</p>	
<p>CFAG19/02 MINUTES OF PREVIOUS MEETING HELD ON 29th NOVEMBER 2018</p> <p>Ms Hughes took this opportunity at the beginning of the meeting to express the groups' sincere condolences on the sudden passing of Mr Elliott Wilson and informed the group that donations were collected at his funeral towards Awyr Las.</p> <p>Mr Morris added that out of all the groups Mr Elliott sat on, this the one he found most rewarding.</p> <p>CFAG19/02.1 Accuracy</p> <p>Ms R Hughes gave an overview of the actions from the previous meeting and informed the group that all actions were now closed.</p>	
<p>CFAG19/03 REQUEST FOR EXPENDITURE APPROVALS</p> <p>CFAG19/03.1 Replacement Flooring – Endoscopy Unit Corridor YG - £5,040</p>	

Ms Hughes gave a brief overview of the application which is to replace the current flooring which is carpeted with new vinyl flooring.

The group questioned why this was not done when the area was re-developed.

Ms Clayton reported that there had been many requests recently to aid purchases such as this. Ms Hughes added that they do need to consider costing for additional purchases when they are undertaking redevelopments.

Ms Sellar did not agree in principle that this application should be funded from Charitable funds, but would approve the bid.

Mr Morris asked if information could be sent out to fund managers suggesting that funds should be spent wisely.

The group agreed to approve this bid.

Outcome – Approved

CFAG19/03.2 Digital Reminiscence Therapy Software - £5,995

Ms Hughes gave a brief outline of the bid, explaining to the group that this equipment was required for the social activities for patients. It is a touch screen, interactive system for dementia patients to relieve anxiety and stress.

Research has demonstrated that patients with a dementia diagnosis who are involved in activities of reminiscing and memory stimulation recover quickly and do not demonstrate challenging behaviour.

The group felt that this was good use of their funds.

Outcome – Approved

CFAG19/03.3 Study Assistance – Dr K Mottart – Kings Fund Top Management Programme - £12,739

Ms Hughes gave a brief outline of the bid, which would be to provide Dr K Mottart the ability to join the King's Fund Top Management Programme, where she can develop her leadership skills.

The proposal would use all resources within the O V Jones Bursary after which it is proposed that the Charitable Funds Committee close this particular fund.

The group were happy to support the bid.

Outcome – Approved

CFAG19/03.4 Electro Navigational Bronchoscopy (ENB) Consumables - £13,074

Ms Sellar presented this application and explained to the group that patients with suspected lung cancer currently received a high standard of care, but there are a

number of deficiencies and inefficiencies within the current diagnosis and treatment pathway.

Access to Electro Navigational Bronchoscopy (ENB), a new technology, would help to address these issues. The ENB uses new technology to create a 3D map of the lungs and guides the physicians to the area of the lung where the tumour is located to take a sample.

This application is for funding of consumables for 15 cases during which the feasibility of running ENB service within the Health Board is established. Training for both physicians and endoscopy staff, plus the medical equipment is provided by the company.

This is just a pilot to see if it is do-able and would be an amazing step forward in technology. If successful, funds would need to be sought to purchase the medical equipment required.

Ms Hoyle suggested that maybe the fund raising team were able to help with promoting and raising funds for this.

Ms Sellar would be happy to link in with the fund raising team.

The group were happy to support this bid.

Outcome – Approved.

CFAG19/03.5 Teasdale Modified Axillary Retractor and Accessories £13,500

Ms Hughes presented this application explaining that there are times where consultants are working alone and some of the operations are impossible without assistance. This equipment would enable them to perform these procedures without assistance and will avoid cancellation and delay of USC patients.

The group felt this was good use of their funds.

Outcome – Approved.

CFAG19/03.6 Training Manikins for Advanced Life Support Course at Ysbyty Gwynedd x5 - £18,300

Ms Hughes informed the group that this application was to come from General Funds.

Ms Hughes took this opportunity before presenting the application to make the group aware that General Funds is now at a minus balance and that they should be mindful when making the decision to use General Funds or not.

Ms Hughes informed the group that the manikins in YG are no longer suitable but are used for over 30 courses.

The group felt uneasy spending against a deficit and thought that these should be supplied from core funding.

EJ

Ms Hughes explained to the group that the Charity on a whole was fine and that she needs to highlight the fact that general funds were really low. There are difficult decisions to be made on what is deemed as an essential purchase.

The group were not happy to support this bid for 5 new manikins but would approve one.

Outcome – Approved just 1 Manikin (£3,660)

CFAG19/03 APPLICATIONS FOR COMMENT

CFAG19/03.7 Security Access NWCTC - £28,200

Ms Hughes presented the application for Security Access within the Cancer Centre, this is following a recent incident when a member of the public was found sleeping in the centre overnight.

Ms Hoyle informed the group that this application was not agreed at the previous Cancer Committee meeting as there were concerns around the amount as there was a general consensus that it was a lot of money.

Ms Hughes and Ms Clayton were unaware of this and would need to seek clarification through reviewing the minutes of that meeting to see what was actually agreed or not. Applications should not come to the Advisory Group without prior approval from the local Cancer Committee.

Ms Clayton informed the group that the charity does not usually approve security applications.

Ms Sellar added that if this has happened once it could happen again and it is the whole hospital that is vulnerable and not just cancer. Ms Sellar made the group aware that the new canteen would be opening shortly and that would reduce the amount of traffic passing through the cancer centre. There needs to be more discussion around this as would it may not be as vulnerable once the canteen opens. Ms Sellar agreed to raise the issue at a site meeting.

Outcome – Not approved.

CFAG19/03.8 North Wales Community Public Access Defibrillator Support Officer - £30,000

Ms Hughes informed the group that this application was for the three cardiology funds, to fund the Public Access Support Officer as there is no local contact for communities requiring information or CPR training in North Wales.

The Cardiac Charity SADS UK kindly offered to fully finance this project for its first year. They do, however wish to continue to support BCUHB with this project by offering to match fund the project for a further 2 years.

The application has not been approved by Director Martin Jones as he has raised the

PC

issue of the employment on the officer – which is self-employed but would be available 40 hours a week to perform duties. Mr Jones' concerns lie with employment rights and tax status. Ms Hughes has checked with the finance lead for tax and based on the information given, that person would fall under the criteria of an employed person and so be liable for tax and NI at source.

Mr Morris asked why BCU could not just employ this person.

Ms Hughes replied that this has been discussed and Mr Martin Jones also suggested this as an option.

Ms Sellar had been informed that the benefits of having the officer have been very good.

Ms Hoyle added that there are so many defibrillators in the communities now covering all North Wales it really is a full time job.

Ms Hughes informed the group that Mr Jones needs to approve the application as Hospital Director, or it cannot go ahead. If Mr Jones and Ms Starling worked together to resolve the employment issues and if it was all agreed, would the group be happy to support in principal for 2 years?

The group agreed that if Mr Jones were to approve this application, they would be happy to approve.

Outcome – Pending

CFAG19/03.9 ENT Equipment £66,000

Ms Hughes presented the application for new ENT equipment to upgrade the department, provide a better service for patients and keep up to date with national standards

Ms Hughes informed the group that the Cancer Centre Sub Committee have agreed to contribute 50%, and the remaining 50% to be identified. It had been suggested to obtain this from the By Your Side Charity Fund – Fund 8T36 but Ms Clayton informed the group that this would not be possible as that fund is fully committed.

The general opinion from the group is that they would be happy to support this bid but would need to go back to the Cancer Committee and suggest maybe with the help of the fund raising team the extra 50% could be sourced through funds raised.

Outcome – Approved but will need to go back to Cancer Committee

CFAG19/03.10 Project Support for ChemoCare Version 6 Upgrade and Rollout to Haematology

Mr Hughes gave a brief outline of this application is to secure funding for additional project support for 2 years, to assist with the essential software upgrade but also to expedite the roll-out of ChemoCare protocols to Haematology, minimising the risk from the current obsolete system OPMAS.

EJ

Ms Hoyle informed the group that this also was discussed at the Cancer Committee, they have had funding for the initial project before, and 10 years ago this would have come out of their budget.

Ms Sellar expressed her concerns again as it is felt that this should come from core funds, like a lot of applications that are coming through to CFAG. Ms Sellar suggested asking if we do not approve these applications which ones would actually get funded elsewhere.

However the group as a whole approved this application, based on the importance of implementing this software.

Outcome – Approved

CFAG19/04 Charitable Fund Balances as at 31st December 2018

Ms R Hughes presented the fund balances for information.

CFAG19/05 – Any Other Business

CFAG19/05.1 Motiv8 - £47,150

Ms Hughes gave a brief outline of this applications stating that Motiv8 intend to fund this project by submitting an application to Gwyn y Mor Community Fund for external grant funding but they did not realise that they need approval from the CFAG first.

Ms Jones informed the group that this project would be a stepping stone and support for service users, who use the adult mental health services in Conwy to participate in activities, in order to build their confidence to engage with locally available community based groups and third sector organisations.

This will be done in several ways: Developing a model engagement, used by OT department where service users participate in groups in Nant y Glyn; develop activity groups jointly run with a variety of organisations; support in the setting up and promotion of Motiv8 annual event to showcase how all have progressed and to develop further links within the community and with other providers in order to look at alternatives.

The funding will be used to fund the recovery and sports groups, provide equipment for groups and fund organisations to attend and offer taster sessions and promotion of activities.

The group agreed to approve this application and Ms Sellar asked if feedback could be provided if they do get their grant.

Outcome – Approved

EJ

CFAG19/05.02 DERMATOLOGY SUITE

Ms Hughes informed the group that West Area were asking for an additional £4,000 towards the Dermatology Suite at Ysbyty Alltwen application (originally approved in March 2018, with additional costs approved in December 2018), again an estates issue on under estimated costs.

Ms Clayton informed the group that this was due to incurred additional costs.

Ms Sellar asked why this was so far under estimated.

Ms Hughes informed the group that estates would be looking into this.

Outcome – Approved**CFAG19/06 DATE OF NEXT MEETING**

Next meeting to take place on: Thursday, 21st March 2019 *at 10.00 a.m.*

Finance Meeting Room, Ysbyty Gwynedd

Meeting Room 1, Carlton Court

Chairman's Office, Wrexham Maelor

Betsi Cadwaladr University Health Board is the operational name of Betsi Cadwaladr University Local Health Board

BCUHB CHARITABLE FUNDS ADVISORY GROUP Summary Action Plan				
Officer	Minute Reference and Action Agreed	Original Timescale	Latest Update Position	Revised Timescale
Actions From 31.01.19				
P Clayton	CFAG19/.4 Electro Navigational Bronchoscopy (ENB) Consumables Director of Secondary Care approval outstanding	21.03.19	18.02.19 – Director of Secondary Care approval	Closed
P Clayton	CFAG19/.4 Electro Navigational Bronchoscopy (ENB) Consumables Chief Financial Officer approval outstanding	21.03.19	31.01.19 – Chief Financial Officer approval	Closed
P Clayton	CFAG19/03.5 Teasdale Modified Axillary Retractor and Accessories Director of Secondary Care approval outstanding	21.03.19	14.02.19 – Director of Secondary Care approval	Closed
P Clayton	CFAG19/03.5 Teasdale Modified Axillary Retractor and Accessories Chief Financial Officer approval outstanding	21.03.19	07.02.19 – Chief Financial Officer approval	Closed
P Clayton	CFAG19/03.7 Security Access NWCTC Confirmation of Cancer Committee approval	21.03.19	01.02.19 – E mail sent to Julie Green – no response to date	Closed
R Hughes	CFAG19/03.8 North Wales Public Access Defibrillator Support Officer Charitable Funds approval outstanding	07.03.19	Application did not go to Committee – issue re contract of employment not resolved. Confirmation of PADS employment status received 11.03.19. To be forwarded to Workforce and Organisational Development, and Managing Director for Ysbyty Gwynedd for consideration	Open
P Clayton	CFAG19/03.10 Project Support for ChemoCare Version 6 Upgrade and Rollout to Haematology Director of Secondary Care approval outstanding	21.03.19	20.02.19 – Director of Secondary Care approval	Closed

P Clayton	CFAG19/03.10 Project Support for ChemoCare Version 6 Upgrade and Rollout to Haematology Chief Financial Officer approval outstanding	21.03.19	20.02.19 – Chief Financial Officer approval	Closed
R Hughes	CFAG19/03.10 Project Support for ChemoCare Version 6 Upgrade and Rollout to Haematology Charitable Funds Committee approval outstanding	07.03.19	07.03.19 – Charitable Funds Committee approval	Closed

Charitable Funds Advisory Group Coversheet

Name of Committee Charitable Funds Advisory Group Date 21st March 2019 Item CFAG19/09	 GIG CYMRU NHS WALES Bwrdd Iechyd Prifysgol Betsi Cadwaladr University Health Board
To improve health and provide excellent care	

Title:	Request for Expenditure Approvals															
Author:	Paula Clayton, Assistant Charity Accountant															
Responsible Director:	Russell Favager, Executive Director of Finance															
Public or In Committee	Public															
Strategic Goals	(Indicate how the subject matter of this paper supports the achievement of BCUHB's strategic goals –tick all that apply) <table border="1" data-bbox="438 891 1428 1489"> <tr> <td>1. Improve health and wellbeing for all and reduce health inequalities</td> <td>x</td> </tr> <tr> <td>2. Work in partnership to design and deliver more care closer to home</td> <td>x</td> </tr> <tr> <td>3. Improve the safety and outcomes of care to match the NHS' best</td> <td>x</td> </tr> <tr> <td>4. Respect individuals and maintain dignity in care</td> <td>x</td> </tr> <tr> <td>5. Listen to and learn from the experiences of individuals</td> <td>x</td> </tr> <tr> <td>6. Use resources wisely, transforming services through innovation and research</td> <td>x</td> </tr> <tr> <td>7. Support, train and develop our staff to excel.</td> <td>x</td> </tr> </table>		1. Improve health and wellbeing for all and reduce health inequalities	x	2. Work in partnership to design and deliver more care closer to home	x	3. Improve the safety and outcomes of care to match the NHS' best	x	4. Respect individuals and maintain dignity in care	x	5. Listen to and learn from the experiences of individuals	x	6. Use resources wisely, transforming services through innovation and research	x	7. Support, train and develop our staff to excel.	x
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6. Use resources wisely, transforming services through innovation and research	x															
7. Support, train and develop our staff to excel.	x															
Approval / Scrutiny Route	The Report is brought for approval by the Charitable Funds Advisory Group.															
Purpose:	The funding application requests received for this Charitable Funds Advisory Group are itemised in the following paper.															
Significant issues and risks	The summary report details the individual funding applications, the amounts requested and the funding source. Each request is supported by an individual application which provides a more detailed explanation and justification. These are attached as appendices to this report.															
Equality Impact Assessment	Not applicable – the report does not impact directly on staff or patients															
Recommendation/ Action required by	The Charitable Funds Advisory Group is asked to review each application for approval rejection and comment															

the Charitable Funds Advisory Group	
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Request for Expenditure Approvals

1.0 Introduction

The following summarises the funding application requests submitted for consideration by the Charitable Funds Advisory Group.

2.0 Applications for Decision

Item	Title of Funding Application	Amount of Application £	Funding Source	Division
.1	Filing Storage Cabinets	6,897.60	General Funds	Ysbyty Gwynedd
.2	Diathermy Machine for Orthopaedic Surgeon in Hossana	7,250.00	Fund 8T08	Corporate
.3	Video conferencing and presentation system	7,455.60	Funds 7F03, 7F10 & 7F11	East Area
.4	Implementation of A Sustainable Educational Sessions to Primary Schools Within Central Area on Antimicrobial Stewardship Using NICE Accredited EBug Resources	12,442.50	General Funds	Central Area
.5	Exploring Healthcare Professionals perspectives on Advance Care Planning: another piece of the puzzle	23,993.00	Fund 7Q03	East Area

Total £58,038.70

The total amount requested from General Funds is £19,340.10. The balance on General Funds is **£-114,035.97**

3.0 Recommendation

The Charitable Funds Advisory Group is asked to review each application for approval or rejection.

AWYR LAS
FUNDING APPLICATION FORM

<u>Title of Funding Application</u>	Sexual Health – Medical Record Storage	
<u>Name & Job Title of Lead Applicant</u>	Angela McDonald – Senior Nurse Manager	
<u>Name & Job Title of Other Applicants</u>		
<u>Maximum Expenditure Requested</u>	£6,897.60	
<u>Fund to be Sourced</u>	Fund Number & Title	General Funds
	Current Uncommitted Balance	£ (114,035.97)
<u>Introduction and Background</u>		
<ul style="list-style-type: none"> • Due to the confidential nature of information obtained, the sexual health service has a separate filing system to the rest of the hospital and medical records are stored within the department. • Medical records are currently stored in four drawer filing cabinets. The cabinets are stored in reception, clinic rooms and the nurse's office. There is currently no capacity to expand the filing storage in its current format. Medical records are currently misfiled on a regular basis, which hinders patient care. • The storage facilities within the sexual health department at Ysbyty Gwynedd have in the past, been deemed unfit and pose a health and safety risk by YG's Health and Safety rep. 		

- Quotes have been obtained to provide alternative storage to the traditional four-drawer filing cabinet. The first quote of £5,748.00 +VAT would provide sufficient storage for existing notes as well as providing scope to accommodate for future growth. The second quote of £4,212 + VAT will provide sufficient storage for existing notes only.
- As the filing cabinets take up a large amount of floor space in the nurse's clinic rooms, it is difficult for the rooms to be used to their full capacity. This means that nurses are unable to see symptomatic patients in these rooms that limits access to the service and limits the nurse's role.
- An alternative method of reducing the need for storage space by scanning medical records has been considered. However, the estimate for this exceeded £22,000.

Key Service Benefits and Measures (to be reported back to the Committee 6 months after approval granted, unless otherwise stated in approval letter)

Service Benefit (insert further rows if needed, must include patient care and financial benefits)	Measure
A more streamlined filing system would reduce the number of medical records that are misfiled and lost. This would reduce the negative impact on patient care.	Reduction in the amount of duplicate medical records.
Increasing the available floor space in the nurse's clinic rooms would allow the room to be used as it was intended. This would mean that the nurses would develop their skills and be able to see symptomatic patients and undertake contraceptive clinical procedures and cervical cytology, which would improve access to the service.	Number of nurses accredited to see symptomatic patients and undertake contraceptive clinical procedures.

Financial Management and Costing

Pay				
Job Title	Annual Salary (inc. on-costs)	Period in Months	Project Role	£
N/A				
Non-pay				
Quote or Estimate?	Description			

Quote	Sidetrak Storage	£6,897.60
Total Pay and Non-pay		£ 6,897.60
Ongoing Revenue Costs		
Ongoing revenue costs which will be charged to NHS budgets		£0
Less: Savings generated by this application		£
Net ongoing revenue costs charged to NHS budgets		£
Risk Assessment		
Risk (insert further rows if needed)		Mitigation
If the capacity of the filing storage does not increase, storage space will run out and the department will not be able to practice in accordance with current information governance legislation.		
Exit Strategy (Charitable Funds cannot fund ongoing commitments)		
N/A		
Dementia Strategy (State how the scheme meets the Health Board's dementia strategy)		
N/A		
Health Inequalities (State how the scheme addresses health inequalities)		

N/A		
<u>Equalities Impact</u>		
Will any racial equality groups (racial, gender, disability, sexuality, age, language, religion/belief be differently affected by this scheme?		NO
If YES, then please submit a copy of the Equality Impact Questionnaire with this form.		
If NO, then state below what information/evidence the decision is based on.		
The filing system is universal for all patients and therefore will have the same impact on all patients.		
<u>Approvals</u>		
	Name & Date Approved	Comments
Fund Advisor		Application made against Awyr Las General Fund (Fund 8T28)
Capital Approval (Estates/IM&T/Medical Devices)	N/A	
Chief Financial Officer	Viv Vandenblink 05.02.19	
Area/Hospital/Secondary Care/Mental Health/Executive Director	Ffion Johnstone 06.02.19	



Awyr Las
Blue Sky

CFAG19/09.1

Charitable Funds Advisory Group		

AWYR LAS
FUNDING APPLICATION FORM

<u>Title of Funding Application</u>	Diathermy Machine for Orthopaedic Surgeon in Hossana	
<u>Name & Job Title of Lead Applicant</u>	Dr Duncan Cameron, Retired Paediatrician	
<u>Name & Job Title of Other Applicants</u>	Dr Tim O'Driscoll, Consultant in Emergency Medicine, and Ethiopia Link Lead Dr Catriona Chalmers, Consultant in Intensive Care	
<u>Maximum Expenditure Requested</u>	£ 7,250.00	
<u>Fund to be Sourced</u>	Fund Number & Title	Ethiopia Link Charitable Fund – Central – Fund 8T08
	Current Uncommitted Balance	£ 45,891.92
<u>Introduction and Background</u>		
<p>There has been a link between Glan Clwyd hospital and Hossana hospital in Ethiopia since 2006. It has been a productive link, offering mutual education, and support for Hossana hospital through provision of medical equipment unavailable in Ethiopia and through funding support for infrastructure projects. The benefits to both partners in the link have been substantial and are documented in previous annual reports and on the link website www.glanclwyd.hossana.org.uk</p> <p>In the past, we have supplied two reconditioned diathermy machines for their surgeons. A new orthopaedic surgeon has been appointed there and has requested a further diathermy machine. This is because they now can have three operating theatres working at the same time since development of services.</p>		

The diathermy machine is an essential item of surgical equipment as it enables safer surgery, and limits blood loss in surgery, which may otherwise be substantial in trauma and orthopaedics.

On this occasion we have taken advice from an orthopaedic surgeon with very extensive experience of working in Africa, and have also decided to purchase a new machine - one that will be robust, straightforward to use, and likely to have a long working life. We have contacted specialist surgical suppliers who are experienced with sourcing machines of this nature, and they have recommended a particular model. The orthopaedic surgeon has confirmed that the model in question is appropriate for the needs of the team in Hossana, and in particular, that it has re-usable contact plates, thus avoiding any unnecessary reliance on consumables, which can be a major problem in Africa.

Key Service Benefits and Measures (to be reported back to the Committee 6 months after approval granted, unless otherwise stated in approval letter)

Service Benefit (insert further rows if needed, must include patient care and financial benefits)

Measure

This machine will allow the orthopaedic surgeon to operate at any time, not dependent on waiting for an operating theatre with a diathermy machine to become available. This may be particularly important with emergency trauma cases, which form a large part of his workload. It should give long and reliable service. We will be able to review use of the machine and satisfactory functioning during our next visit in November this year

Financial Management and Costing

Pay

Job Title	Annual Salary (inc. on-costs)	Period in Months	Project Role	£
			Not Applicable	

Non-pay

Quote or Estimate?	Description	
Quote	Bovie Aaron 1250 electrocautery machine with monopolar and bipolar function, reusable plates	7,250.00

	Supplier - Medical Aid	
Total Pay and Non-pay		£ 7,250.00
Ongoing Revenue Costs		
Ongoing revenue costs which will be charged to NHS budgets		£ Nil
Less: Savings generated by this application		£
Net ongoing revenue costs charged to NHS budgets		£ Nil
Risk Assessment		
Risk (insert further rows if needed)		Mitigation
Training : the machine is a straightforward machine with which the surgeon is familiar; he has used such machines in his training, and indeed currently borrows the diathermy machines available in the general surgery theatre and the maternity theatre. The device comes with full online and hard copy use and maintenance manuals		
It will require a surge protector (which we will provide - £10) and yearly maintenance. They now have biomedical engineers available in Hossana, who will be able to undertake the necessary tests		
Exit Strategy (Charitable Funds cannot fund ongoing commitments)		
Not Applicable – One off cost		
Dementia Strategy (State how the scheme meets the Health Board’s dementia strategy)		

Not Applicable		
Health Inequalities (State how the scheme addresses health inequalities)		
<p>Health inequalities: this is absolutely in line with addressing health inequalities. Our health care colleagues in Hossana work extremely hard to provide the best level of care they can to their very needy patients. Trauma takes a massive toll of life in Africa, and causes high rates of disability. This is due to the road creation programme, which is not matched by safe vehicles or adequate training of drivers or those using the roads. It is estimated that trauma causes more death and disability in Africa than HIV/AIDS, malaria and TB put together. For that reason, supporting the orthopaedic surgeon in his work in Hossana most definitely addresses health inequalities.</p>		
Equalities Impact		
Will any racial equality groups (racial, gender, disability, sexuality, age, language, religion/belief be differently affected by this scheme?		YES/NO
If YES, then please submit a copy of the Equality Impact Questionnaire with this form.		
If NO, then state below what information/evidence the decision is based on.		
Approvals		
	Name &	Comments

	Date Approved	
Fund Advisor	Ethiopia Link Group 14.03.19	It has also met with approval of the biomedical engineers associated with the Link project, who from previous visits to Hossana have a good understanding of what is appropriate technology and what is not
Capital Approval (Estates/IM&T/Medical Devices)		Approval Outstanding
Chief Financial Officer		Approval Outstanding
Area/Hospital/Secondary Care/Mental Health/Executive Director		Approval Outstanding
Charitable Funds Advisory Group		

AWYR LAS
FUNDING APPLICATION FORM

<u>Title of Funding Application</u>	Video Conferencing and Presentation System	
<u>Name & Job Title of Lead Applicant</u>	Martin Mcspadden, Paediatric and Neonatal Services Manager, East Area	
<u>Name & Job Title of Other Applicants</u>		
<u>Maximum Expenditure Requested</u>	£7,455.60	
<u>Fund to be Sourced</u>	Fund Number & Title	Childrens Ward – YMW – 7F03 - 40% of the cost - £ 2,982.24 Acute Children's Community Service – YMW – Fund 7F10 – 20% of the cost - ££ 1,491.12 Premature Baby Unit – YMW – Fund 7F11 – 40% of the cost - £ 2,982.24
	Current Uncommitted Balance	£17,521.39 – Fund 7F03 £11,621.10 – Fund 7F10 £26,236.28 – Fund 7F11
<u>Introduction and Background</u>		
<ul style="list-style-type: none"> We frequently have pan-BCU and national Wales meetings within paediatric services. Video conferencing is the preferred option for attendance at many meetings as it cuts down the need for travel, which has a financial and time implication. In addition, we hold daily teaching sessions for medical 		

and multi-disciplinary team which is essential for maintenance of skills and knowledge across the team. The current videoconferencing and presentation equipment is broken and obsolete, therefore not able to repair

•

Key Service Benefits and Measures (to be reported back to the Committee 6 months after approval granted, unless otherwise stated in approval letter)

Service Benefit (insert further rows if needed, must include patient care and financial benefits)	Measure
Reduction in travel costs that would otherwise be incurred for attendance at meetings	Record of meetings held via VC that would otherwise have necessitated travel
High quality education for trainee doctors and the wider MDT	Record of teaching sessions delivered

Financial Management and Costing

Pay				
Job Title	Annual Salary (inc. on-costs)	Period in Months	Project Role	£
Non-pay				
Quote or Estimate?	Description			
quote	Video Conferencing system with associated peripherals for presentations/ teaching			7,455.60
Total Pay and Non-pay				7,455.60
Ongoing Revenue Costs				
Ongoing revenue costs which will be charged to NHS budgets				£nil

Less: Savings generated by this application	£
Net ongoing revenue costs charged to NHS budgets	£
Risk Assessment	
Risk (insert further rows if needed)	Mitigation
If not purchased there is a risk that educational standards will not be met for our trainee doctors and MDT. This could have significant consequences for future trainee doctor placements	
There is a risk that increased travel costs would be incurred if no VC facilities are available	Use of other VC facilities on site, but not always available
Exit Strategy (Charitable Funds cannot fund ongoing commitments)	
N/A	
Dementia Strategy (State how the scheme meets the Health Board's dementia strategy)	
N/A	
Health Inequalities (State how the scheme addresses health inequalities)	

<u>Equalities Impact</u>		
Will any racial equality groups (racial, gender, disability, sexuality, age, language, religion/belief be differently affected by this scheme?		NO
If YES, then please submit a copy of the Equality Impact Questionnaire with this form.		
If NO, then state below what information/evidence the decision is based on.		
Education delivered to all members of the team		
<u>Approvals</u>		
	Name & Date Approved	Comments
Fund Advisor	Martin Mcspadden 14.03.19	
Capital Approval (Estates/IM&T/Medical Devices)		Approval Outstanding
Chief Financial Officer	Paul Carter 14.03.19	
Area/Hospital/Secondary Care/Mental Health/Executive Director		Approval Outstanding
Charitable Funds Advisory Group		



Awyr Las
Blue Sky

CFAG19/09.3

AWYR LAS
FUNDING APPLICATION FORM

<u>Title of Funding Application</u>		Implementation of A Sustainable Educational Sessions to Primary Schools Within Central Area on Antimicrobial Stewardship Using NICE Accredited EBug Resources
<u>Name & Job Title of Lead Applicant</u>		Kailey Sassi-Jones Lead Antimicrobial Pharmacist
<u>Name & Job Title of Other Applicants</u>		Rory Wilkinson Head of Pharmacy Primary Care Central Area Megan Vickery Engagement Officer Central Area Paula Roberts Healthy Schools Coordinator Denbigh Nia Williams Health School Coordinator Conwy Claire Spencer Lead Pharmacy Technician, Central Area
<u>Maximum Expenditure Requested</u>		£12,442.50
<u>Fund to be Sourced</u>	Fund Number & Title	General Funds
	Current Uncommitted Balance	£(114,035.97)
<u>Introduction and Background</u> (concise, in bullet points)		
<p>AIM : To deliver sustainable educational lesson plans on the importance of antimicrobial stewardship to year 5 &6 pupils at primary schools within Conwy and Denbighshire using NICE accredited Ebug educational resources via a 'train the teacher' approach .</p>		

Why?

- Antimicrobial Resistance continues to rise and many common infections are now resistant to our current antibiotics
- There are no new antibiotics in the pipeline.
- Wales prescribes more antibiotics than England and Scotland. Within Wales, antibiotic prescribing in some areas of Conwy and Denbighshire are high
- There is an expectation from members of the public who consult a GP for coughs, colds and sore throats to leave with a prescription for an antibiotic putting pressure on GP's to prescribe inappropriately
- Antibiotics are the most commonly dispensed items for children
- Changing the culture and increasing awareness of antibiotics amongst our younger generation will influence the older generation and create a two pronged approach to reducing inappropriate antibiotic use in our community

How?

To ensure sustainability of the project, educational sessions will be delivered through a 'train the teacher' approach. Sessions can then be delivered locally by teachers and repeated year upon year creating a positive culture change around antibiotic use and prescribing in our future antibiotic consumers.

The 'train the teacher' session will be delivered by the project leads at an event planned for June 2019.

Teachers of years 5 & 6 from all primary schools in Conwy and Denbighshire will be invited to attend the training day with a financial remuneration towards the cost of appointing a supply teacher to backfill the attending teacher offered

Methods of delivering the session will include

- detailed lesson plans
- fun student worksheets
- extension activities
- animations
- Activity demonstrations
- MS PowerPoint presentations to assist with the more difficult aspects of microbiology.

What is Ebug?

- Ebug is a NICE accredited online resource with fun and imaginative lesson plans mapped to key educational foundation phases in over 20 languages

including Welsh. It is available to use free of charge.

- It makes learning about microorganisms, the spread, prevention and treatment of infection fun and accessible for all students.
- The two packs identified as containing supportive material to deliver the sessions outlined in this application (please refer to separate attachments)

Engagement

School engagement is assured as lessons plans are bilingual and aligned to the Welsh curriculum and support content recommended in the Healthy Schools Campaign to which the majority of primary schools in Wales are committed.

- The successful implementation of this project relies on buy in and engagement from key stakeholders.
- Paula Roberts and Nia Williams who are the Healthy Schools Coordinators in Conwy and Denbighshire are in full support of this project, and are part of the working group to develop, implement and sustain it.
- They recognise the importance of this project as it supports the implementation of the Welsh Government/Public Health Wales National Quality Award for Healthy Schools (NQA). This scheme has seven health topics, one of which is safety and Hygiene. Schools must evidence that they meet the criteria and indicators for each of themes, which are split in to four areas: leadership/policy, curriculum, ethos and environment of the school and family and community engagement. This project will support schools in meeting the criteria/indicators for hygiene, specifically under the indicators for the school curriculum. In addition, implementation of the project in schools will facilitate the delivery of the personal and social education curriculum and the school science curriculum

Pilot Project

In November 2018, this project was piloted at a primary school near Ruthin, Denbighshire. Positive feedback was received from pupils, teachers and parents and the local press also got involved. Microbes designed by pupils who attended the session were displayed at Ruthin Community Hospital to further increase awareness and public engagement of this important topic (Please refer to separate attachment)

Summary

Antimicrobial stewardship efforts have been in place across BCUHB. Despite significant improvements and reductions in antibiotic prescribing our Health Board continues to prescribe far more antibiotics than it should. Welsh government reduction targets have been set and in order to achieve these, novel methods of stewardship delivery need to be considered. Success of this project will provide a platform to roll out educational events to secondary school pupils and to wider community groups such as scout members, mother and baby groups and organisations that support our more vulnerable community members. Despite Ebug being widely used in schools across Europe and as far as India, Wales has yet to adopt its resources and there is an opportunity and potential to showcase BCUHB as a lead implementation site within our country.

Key Service Benefits and Measures (to be reported back to the Committee 6 months after approval granted, unless otherwise stated in approval letter)

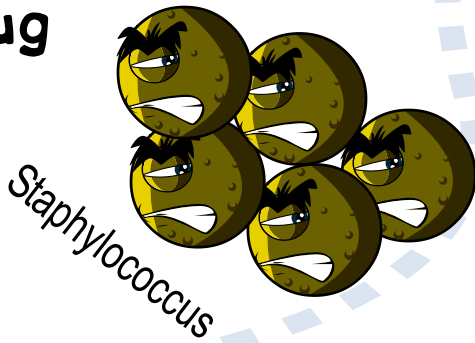
Service Benefit (insert further rows if needed, must include patient care and financial benefits)	Measure
The evaluation of the project will be quantitative in the short term with some qualitative, anecdotal elements. In the short to medium term there would be measurable benefits against current prescribing trends. In the long term measuring the direct impact of the project is more problematic but as awareness of the problems of the overuse of antibiotics is raised, use should reduce with an increasing benefit for recovery rates, successful treatment of resistant infections, reducing rates of hospital acquired infections. This will be measurable through current statistical analysis. An interim report will be prepared in January 2020 and a final report in April 2020. Bangor University has demonstrated an interest in supporting the qualitative feedback evaluation.	
Improved antimicrobial knowledge in primary school children , teachers and the wider community	Qualitative feedback at teacher training sessions and from the classroom sessions.
Schools	Number of schools participating. There will be additional targeting of schools in areas where antibiotic use and prescribing is high.
Teacher training	Number Teachers trained plus evaluation of training and training tools to increase learning.

Classroom sessions		Numbers of children taking part and where, to check uptake in areas with above normal prescribing rates.		
Reduced antimicrobial use.		Reduced demand and prescribing rates monitored through primary care antimicrobial consumption data		
Financial benefits		In the short term reduced prescribing will have be an immediate saving. Cost savings in the longer term will be linked to the major long term benefits of the project which may include reduced hospital admissions due to resistant infections and diseases such as clostridium <i>difficile</i> which are associated with antibiotic prescribing		
Financial Management and Costing				
Pay N/A for initial implementation (pilot)				
Job Title	Annual Salary (inc. on-costs)	Period in Months	Project Role	£
Non-pay				
Quote or Estimate?	Description			
estimate	Supply teaching to backfill teaching staff attending the training sessions. Estimate based on 50% uptake of 94 primary schools in the area at £75 per supply post The school will arrange for the member of staff to be covered by a supply teacher. The costs will then be paid for by the school. We will only transfer a contribution to the school towards the cost of the supply once the teacher has attended our course and has signed our attendance register. We will also ask for evidence of the supply teacher having worked in school on that day. The cost for supply can be up to £180 per day. £75 will be a contribution towards this.			£3525
estimate	Printing of lesson material for an estimated class size of 30 based on 50% uptake at £1 per child			£1410
	Banner stands to display at training sessions and other engagement sessions at £140 per banner			£280
	Design cost for the above banner stands			£60

	Badges, certificates as incentives for the children participating based on 50% uptake of 94 participating primary schools with an estimated class size of 30	£3525
	Promotional material to advertise the training session to schools and teachers	£610
	Venue costs to deliver training sessions at 4 locations including lunch and refreshments	£1800
	10% contingency	£1232.50
Total Pay and Non-pay		£12,442.50
Ongoing Revenue Costs		
Ongoing revenue costs which will be charged to NHS budgets		£ na
Less: Savings generated by this application		£na
Net ongoing revenue costs charged to NHS budgets		£ na
Risk Assessment		
Risk (insert further rows if needed)		Mitigation
Antimicrobial usage continues to rise		Review success of this project and seek further / alternative ways to reduce antibiotic demand and prescribing through public education
Increased resistance as a result of increased usage		
Continued expectation of antibiotic prescriptions from GP's		Change culture
Exit Strategy (Charitable Funds cannot fund ongoing commitments)		
This novel and exciting project has potential for significant future impact. Teachers will be trained and supported to deliver antibiotic awareness lessons in a fun and interactive manner creating an important culture change and an understanding of the impact of antibiotic resistance in the future generation. The method of delivery ensures that the lessons are sustainable and can be repeated year upon year. If qualitative evaluation demonstrates this model to be successful then we plan to develop a business case to role this project to the wider communities of BCUHB		

Health Inequalities (State how the scheme addresses health inequalities)		
This project will enable all schools to participate by providing support and backfill to release the teachers to attend the training sessions. There will therefore be no barriers to involvement to schools in the most economically challenged areas of the project		
Equalities Impact		
Will any racial equality groups (racial, gender, disability, sexuality, age, language, religion/belief be differently affected by this scheme?		NO
If YES, then please submit a copy of the Equality Impact Questionnaire with this form.		
If NO, then state below what information/evidence the decision is based on.		
Educational sessions to be offered to all school regardless of demographics, area or performance		
Approvals		
	Name & Date Approved	Comments
Fund Advisor		Application made against Awyr Las General Fund (Fund 8T28)
Capital Approval (Estates/IM&T/Medical Devices)	N/A	
Chief Financial Officer		Approval Outstanding
Area/Hospital/Secondary Care/Mental Health/Executive Director		Approval Outstanding

Charitable Funds Advisory Group		
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National Curriculum Links

Key Stage 2

Science

Working Scientifically

Animals, including humans (*Upper KS2 only*)

PSHE

Core Theme 1: Health and Wellbeing

Core theme 3: Living in the wider world

English

Reading and Comprehension

Estimated Teaching Time

50 minutes

4. Treatment of Infection Antibiotic Use and Medicine

Section 4, Treatment of Infection, explores the use of antibiotics and medicine in treating various illnesses and disease.

This is a student discussion activity. Students are exposed to a range of scenarios in Amy and Harry's school day. Students discuss the various comments made throughout the cartoon and decide whether or not they agree.

Learning Outcomes

All students

- Will understand that most common infections get better on their own through time, bed rest, liquid intake and healthy living
- Will understand that if antibiotics are taken, it is important to finish the course





4.1 Treatment of Infection

Antibiotic Use and Medicine

Key Words

Antibiotic
Disease
Illness
Immune system
Infection
Medicine
Natural barriers
Natural defence
Symptom
Vaccine

Materials Required Per Student/Group

- ☐ A copy of [SH 1](#)
- ☐ A copy of [SH 2](#)
- ☐ A copy, whiteboard or overhead projector (optional) of [SW 1](#)

Background Information

The body has many **natural defences** to help fight against bad microbes that can cause infection, for example, the skin stops microbes entering the body, the nose has a sticky membrane trapping microbes if they are inhaled, tears contain substances which kill bacteria and the stomach produces acid which can kill many microbes if ingested. Generally, by living a healthy life (eating the right food, drinking plenty of water and getting lots of rest) these natural barriers help keep us healthy. However, in some cases, microbes can cross these barriers and enter our bodies.

The majority of the time the immune system defeats any harmful microbes entering the body, however in some cases the immune system needs help. **Antibiotics** are special medicines used by doctors to kill harmful **bacteria**. Some antibiotics stop the bacteria reproducing and others kill the bacteria. Antibiotics treat diseases caused by bacteria, such as meningitis, tuberculosis and pneumonia. They do **not** harm viruses, so antibiotics cannot treat diseases such as colds and flu, which are caused by viruses.

Before antibiotics were invented harmful bacteria killed many people. Today however, most bacterial infections are easily treated with antibiotics - but the bacteria are fighting back! Through increased exposure to the antibiotics the bacteria are becoming resistant to them. This means that bacterial infections are once again becoming life threatening. We can help prevent this from happening through a number of ways:

- only use antibiotics prescribed by your doctor
- always finish the course once prescribed
- don't use antibiotics for simple coughs and colds

Antiviral and antifungal medications are also available; however it is important that these are administered by a doctor. Much of the over the counter medication available is to alleviate the symptoms of many infections, for example, pain killers or medication to reduce the temperature associated with fever.

Advance Preparation

Print/Photocopy [SH 1](#), [SH 2](#) and [SW 1](#) for each student.





4.1 Treatment of Infection Antibiotic Use and Medicine

Lesson Plan

Introduction

1. Begin the lesson by explaining to the students that now they are going to learn how to treat current infections. Remind students that harmful microbes make us ill. Ask students about their own experiences of being ill, what was the illness, how did they feel and what treatment did they receive? Did they go to the doctor or did they get something from the chemist?
2. Tell students that before we get medicine we should try and let our bodies fight the harmful microbes. Explain that inside our bodies we have an immune system that fights harmful microbes. If we get plenty of sleep and eat properly we keep our immune system strong and it keeps fighting the harmful microbes.
3. Explain however, that sometimes, if a lot of harmful microbes get into the body, the immune system may need help. This is when we need medicine. Explain that different types of medicine are used to treat the symptoms of different infections e.g. cough remedies, painkillers, medicines to bring down temperatures, etc.
4. Highlight to students that **antibiotics** are special medicines that are used to treat only **bacterial** infections. Antibiotics make us better by killing the harmful bacteria that make us ill. Explain to students that different antibiotics kill different bacteria therefore we should not use other people's antibiotics because they might not work; we should only take antibiotics given to us by the doctor.
5. Explain that if we do get antibiotics from the doctor then it is important to finish the course. If not, we may not kill all the harmful bacteria and they could make us ill again or become resistant.
6. Students should know that many of the other medicines e.g. pain killers or cough mixtures are used to relieve the symptoms of infection such as headaches, fever, congestion, etc.

Main Activity

1. This activity can be carried out in small groups or as a classroom discussion. The task is presented like a cartoon story.
2. Each section of the cartoon has a situation with a decision that needs to be taken. The words spoken by the decision maker are in italics to highlight them.
3. Show each box to the students (either all together [SH 1](#) and [SH 2](#) or as individual boxes on the white board or overhead projector from the web www.e-bug.eu) and discuss whether the decision maker has made the right or wrong choice.
4. Discussion points can be found in [TS 3](#).





4.1 Treatment of Infection Antibiotic Use and Medicine

Lesson Plan

Plenary

Check for understanding by asking the children the following questions

1. What is the cause of infections?
The cause of the infection is Harmful Microbes.
2. What are medicines?
Medicines are any substance used in the treatment of disease or the symptoms of a disease.
3. What are antibiotics?
Antibiotics are special medicines used to treat bacterial infections.
4. Why should we not use other people's antibiotics?
Different antibiotics kill different bacterial infections so antibiotics prescribed for an ear infection might not work on an infected wound.
5. What might happen if we don't finish our antibiotics?
Not finishing a course of antibiotics may result in the bacteria causing the infection surviving. These bacteria will have been exposed to the antibiotic treatment and learned how to fight the antibiotics the next time they are used i.e. they will become resistant to the antibiotic therapy.

Extension Activity

1. This activity can be carried out either individually or in groups of 2 – 4 students.
2. Provide students with [SW 1](#).
3. Students should match the word on the left hand column with the definition on the right hand column.





4.1 Treatment of Infection

Antibiotic Use and Medicine

Discussion Points



Natasha should cover her mouth whilst coughing. Infection can easily spread from person to person through coughing and sneezing. A sneeze travels at approximately 100mph and at high force meaning that the microbes carried in a sneeze can travel very far and infect other people.



You should always wash your hands after going to the toilet. Many bad microbes that make you ill are found in toilets. Good personal hygiene is essential to a healthy lifestyle and can greatly reduce the spread of infection. Trials show that proper hand washing reduces absenteeism in schools, not just from tummy bugs but from coughs and colds too.



Amy should NOT use her sister's antibiotics. There are many different types of antibiotics which treat different bacterial infections. Doctor's prescribe specific antibiotics for specific illnesses and at a dose suitable for the patient. Taking someone else's antibiotics may mean your infection does not get better.



Mrs Warren should have washed Harry's cut knee to clean any dirt or microbes which may have been present. Antiseptic cream applied to deeper cuts can also help prevent infection. There is generally no need to cover smaller cuts and grazes with a band aid, fresh air will help the scabbing process.



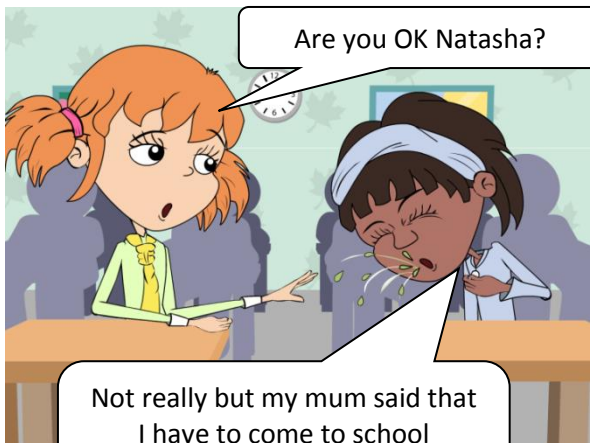
The doctor is right; antibiotics only work on bacterial infections. Coughs and colds are caused by viruses and in many cases the body's own natural defences will fight these infections. Other medicines from the chemists help with the symptoms of coughs and colds.



It is important for Harry to finish the course of antibiotics. Not finishing the course could result in the bacteria not being killed properly and becoming resistant to the antibiotic in the future.



1. Amy went to school not feeling very well. She had a headache and a runny nose. When she arrived in the classroom she took a seat beside Natasha. She soon realised that Natasha was also not well.



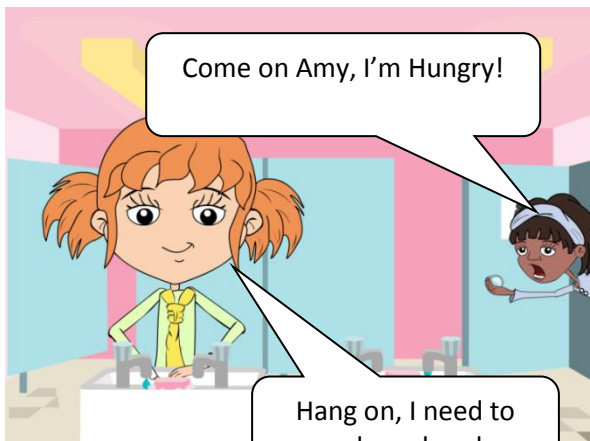
Are you OK Natasha?

Not really but my mum said that I have to come to school
cough *cough*



Mine too. But I'm not coughing. You really should cover your mouth you know.

2. At lunch time, Amy and Natasha went to the toilet. Natasha was hungry and in a hurry to have her lunch.



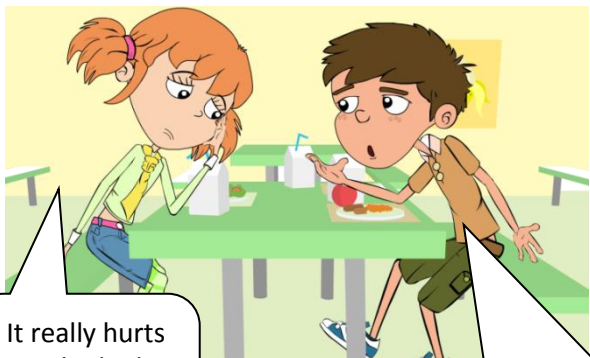
Come on Amy, I'm Hungry!

Hang on, I need to wash my hands.



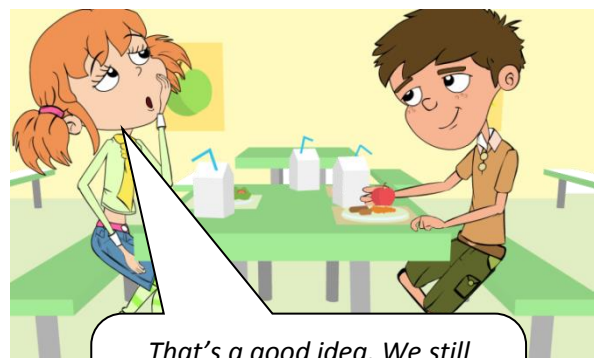
Don't bother. I never do and it hasn't done me any harm.

3. During lunch Amy was talking to her friend Harry about her headache and runny nose.



It really hurts and I think I'm getting a cough.

Don't you have any antibiotics at home you can take?



That's a good idea. We still have some from when my sister had an ear infection. I'll ask my mum.





e-Bug

4. After they had eaten, the children went out to play. Harry fell over and cut his knee very deeply.

Owww my knee is bleeding.

Come on, let's take you to see Mrs Warren.



Oh dear. Let me see. It's not too bad. Let's just put a band aid on it.

5. When Amy got home, her mother decided to take her to the doctor. He said that she had a bad cold.

Go home and get some bed rest, take some painkillers for the headache if you need to.

But she's ill, you have to give her some antibiotics.

I'm sorry, but there's no need.

6. Harry didn't come to school the next day so Amy called around to see him on her way home from school.

You weren't in school today, are you OK?

No, my knee started to get really painful in the night so my Mum took me to see the doctor. He said that my cut got infected.

Oh no, did he give you painkillers?

No, he gave me antibiotics to help fight the infection but told me to take them until they were all finished.





Word mix up!



Harry is very confused, can you help him match the words to their correct meaning. He only has one done!

Antibiotic

Bacteria

Infection

Medicine

Painkiller

Virus

Symptom

THE SMALLEST OF THE
MICROBES - USUALLY
HARMFUL

A DRUG USED TO
TREAT A DISEASE OR
INJURY

A SIGN OF ILLNESS
E.G. HEADACHE,
DIARRHOEA AND
FEVER

SPECIAL MEDICINE
USED TO TREAT
BACTERIAL
INFECTIONS

A DISEASE CAUSED BY
A MICROBE

VERY SMALL MICROBE
THAT CAN BE
HELPFUL OR
HARMFUL

A DRUG USED TO TAKE
AWAY PAIN





Influenza

National Curriculum Links

Key Stage 2

Working scientifically

Living things and their habitats

PSHE

Core Theme 1: Health and Wellbeing

English

Reading and Comprehension

Estimated Teaching Time

50 minutes

1.1 Micro-organisms

An Introduction

In this section students are introduced to the world of microbes, firstly by exploring the different types and shapes of microbes and later, by close examination of beneficial and harmful microbes.

The introductory activity allows students to combine their observational and creative skills to make a microbe of their own choice hence reinforcing various microbial types and shapes.

The extension activity *Microbe Mania* reiterates the classroom lesson and allows students to decide whether the microbe being discussed is a bacterium, virus or fungus!

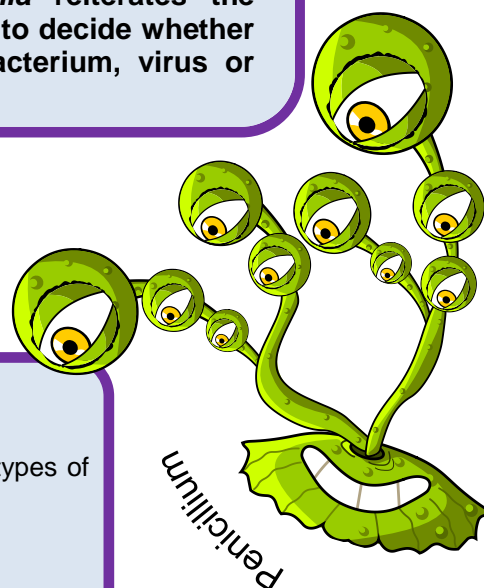
Learning Outcomes

All students:

- Will know that bacteria, viruses and fungi are three different types of microbe
- Will understand that microbes are found everywhere

More able students:

- Will know that microbes come in different shapes and sizes





1.1 Micro-organisms

An Introduction

Key Words

Bacteria
Bug
Cell
Disease
Fungi
Germ
Microbe
Micro-organism
Microscope
Pathogen
Probiotic
Viruses

Materials Required

Per Student

- ☐ A copy of [SH 1](#)
- ☐ A copy of [SW 1](#)
- ☐ A copy of [SW 2](#)
- ☐ Petri dish (optional)
- ☐ Microbial images from www.e-bug.eu

Per Group

- ☐ Play dough in a variety of colours (for home made recipe see [TS 4](#))

Available

Web Resources

- A demonstration film of the activity
- A variety of microbial photographs

FASCINATING FACT

Antonie van Leeuwenhoek created the first ever microscope in 1676. He used it to examine various items around his home and termed the living creatures (bacteria) he found on scrapings from his teeth 'animalcules'.

Background Information

Micro-organisms, also known as germs, bugs or microbes, are tiny living organisms too small to be seen with the naked eye. They are found almost everywhere on earth. Some microbes are beneficial and others can be harmful to humans (this will be explored in later sections). Although extremely small, microbes come in many different shapes and sizes. There are three main groups of microbes:

Viruses are the smallest of the microbes and are generally harmful to humans. Viruses cannot survive by themselves. They need a 'host' cell in order to survive and reproduce. Once inside the host cell, they rapidly multiply and destroy the cell in the process!

Fungi are multi cellular organisms that can be both beneficial and harmful to humans. Fungi obtain their food by either decomposing dead organic matter or by living as parasites on a host. Fungi can be harmful by causing infection or being poisonous to eat; others can be beneficial or harmless, e.g. *Penicillium* which produces the antibiotic penicillin. There are also fungi that are not microbes and some that can be eaten like *Agaricus*, commonly known as the white button mushroom.

Bacteria are single-celled organisms that can multiply exponentially once every 20 minutes. During their normal growth, some produce substances (toxins) which are extremely harmful to humans and cause us disease (*Staphylococcus*); other bacteria are completely harmless to humans and others can be extremely useful to us (*Lactobacillus* in the food industry), some are even necessary for human life such as those involved in plant growth (*Rhizobacterium*). Harmless bacteria are called non-pathogenic, while harmful bacteria are known as pathogenic. Over 70% of bacteria are non-pathogenic.

Bacteria can be simply divided into three groups by their shapes – cocci (balls), bacilli (rods) and spirals. Cocci can also be broken down into three groups by how the cocci are arranged: staphylococci (clusters), streptococci (chains) and diplococci (pairs). Scientists use these shapes to tell which infection a patient has.

Advance Preparation

- Prepare a copy of [SW 1](#) and [SW 2](#) for each student.
- Prepare [SH 1](#) poster for the classroom or on the white board.
- Purchase or follow the recipe in [TS 4](#) to make play dough in a variety of colours.
- Download a variety of microbe images from www.e-bug.eu for student viewing.



1.1 Micro - organisms

An Introduction

Lesson Plan

Introduction

1. Begin the lesson by asking children what they already know about germs or bugs. Ask the children if they have, or anyone in their family, ever been sick? What was the disease and what do they think caused it?
2. Explain to the children that some diseases called infections are caused by germs and that these are tiny living organisms called microbes. Show the children that there are three different types of microbe: bacteria, viruses and fungi. Use the colour poster provided ([SH 1](#)), which is also found on the e-Bug website (www.e-bug.eu), for whiteboard presentation format.
3. Explain that these microbes are so small that they can only be seen through a microscope. Use the web activity or provide students with [SH 2](#) to demonstrate the different sizes of microbes.
4. Emphasise that although some microbes cause disease, there are also beneficial microbes. Ask children to identify some useful microbes. If they cannot, provide examples for them e.g. *Lactobacillus* in yogurt and probiotics drinks, penicillin from fungi, etc.
5. Highlight to the class that microbes can be found EVERYWHERE: floating around in the air we breathe, on the food we eat, on the surface of our bodies, in our mouth, nose and gut/tummy.

Main Activity

1. This activity can be done either individually or in groups.
2. Provide each group with either a colour handout ([SH 1](#)) of the different types of bacteria or place colourful posters on the classroom walls from the website www.e-bug.eu. These handouts will show the range of shapes and sizes of microbes with names and whether they are useful or harmful microbes.
3. Provide each group with play dough in a variety of colours, petri dishes and a copy of [SW 1](#).
4. Ask each child / group to recreate a microbe or groups of microbes in their petri dish based on the coloured images provided.
5. Each child must decide whether or not they think their microbe is useful or harmful and provide its name. It is important to let the children get as creative as possible whilst taking into consideration the actual structure of microbes.
6. Remind the class that fungi are the largest microbes and viruses are the smallest.
7. If time permits, students can then present their microbes to the class.





1.1 Micro - organisms

An Introduction

Lesson Plan

Plenary

Check for understanding by asking the children the following questions:

1. What are the most common types of microbe?
There are three main types of microbe known as bacteria, viruses and fungi.
2. What are germs?
A germ is another name used to describe a harmful microbe.
3. Where is a microbe found?
Microbes are found EVERYWHERE, floating around in the air we breathe, on the food we eat, on the surface of our bodies, in our mouth, nose and gut/tummy.
4. Are all microbes harmful?
No, although there are microbes which can be harmful to us there are also a lot of microbes that are very useful to us that we use every day, for example, Saccharomyces (fungi) is used to help bread rise, Lactobacillus (bacteria) help make yogurt and cheese.
5. What are the different shapes of bacteria?
Spirals (Campylobacter), Rods (Lactobacilli) and Balls (Staphylococcus).

Extension Activity

1. Provide each student with a copy of [SW 2](#) and [SH 1](#).
2. By reading the descriptions and using the information on their handouts students must decide whether the microbes are bacteria, virus or fungi.
 - a. *Staphylococcus is a bacterium.*
 - b. *Lactobacillus is a bacterium.*
 - c. *Dermatophytes are fungi.*
 - d. *Influenza is a virus.*
 - e. *Penicillium is a fungus.*



1.1 Micro - organisms

An Introduction

Home-made play dough Recipe

Play dough is a soft, pliable material that can keep children occupied for considerable lengths of time. Play dough is available to purchase under a range of different brand names but it may be cost effective to make your own. Home made play dough has the added advantage that you can choose your preferred palate of colours. The home made play dough is non-toxic, brightly coloured and easily sculpted making it an ideal tool for creative play and this activity.

Ingredients

- 1 cup of plain flour
- 1 cup of water
- 1/2 cup of salt
- 2 tablespoons of cream of tartar
- 2 tablespoons of oil
- Food colouring

Method



Mix together the **dry ingredients**



Add the **water** and **mix** until smooth



Add the **food colouring** followed by the **oil**



Cook on a **medium heat, stirring constantly**, until the dough leaves the side of the pan in a ball



Allow to **cool** before use



What are Microbes?

- Microbes are living organisms
- They are so small we need a microscope to see them
- They come in different shapes and sizes

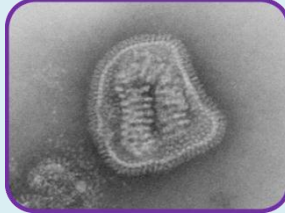
- They are found EVERYWHERE!
- Some microbes are useful or even good for us
- Some microbes can make us ill



There are **3** different types of microbes:

VIRUSES

Influenza



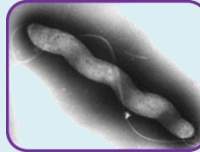
- Viruses are even smaller than bacteria and can sometimes live INSIDE bacteria!
- Some viruses make us sick.
- Diseases like CHICKENPOX and the FLU are caused by viruses.
- Viruses can spread from one person to another but it depends on the type of virus.

BACTERIA

- There are three different types of bacteria. They look like:

Spirals

(*Campylobacter*)



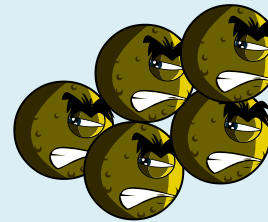
Rods

(*Lactobacillus*)



Balls

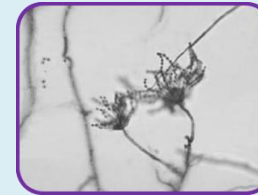
(*Staphylococcus*)



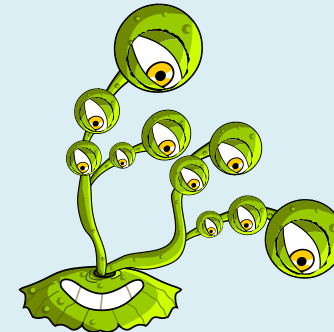
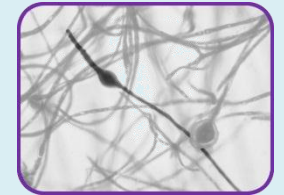
- They are so small that 1000s of bacteria could fit on the full stop at the end of this sentence.
- Some bacteria are helpful in cooking, for example, making yogurt and cheese.
- Some bacteria are harmful and cause infection.

FUNGI

Penicillium

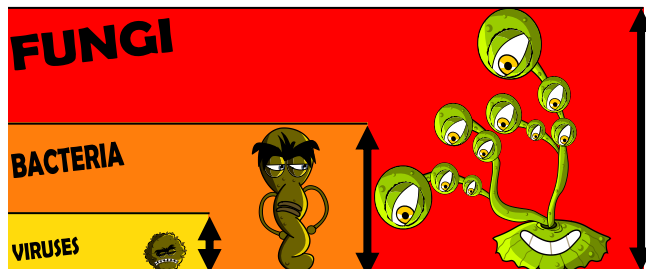


Dermatophyte



- Fungi are the largest of all microbes.
- Fungi can be found in the air, on plants and in water.
- Mould, which grows on bread, is a type of fungus.
- Some antibiotics are made by fungi!

Microbe Size





e-Bug

How
big
is
a

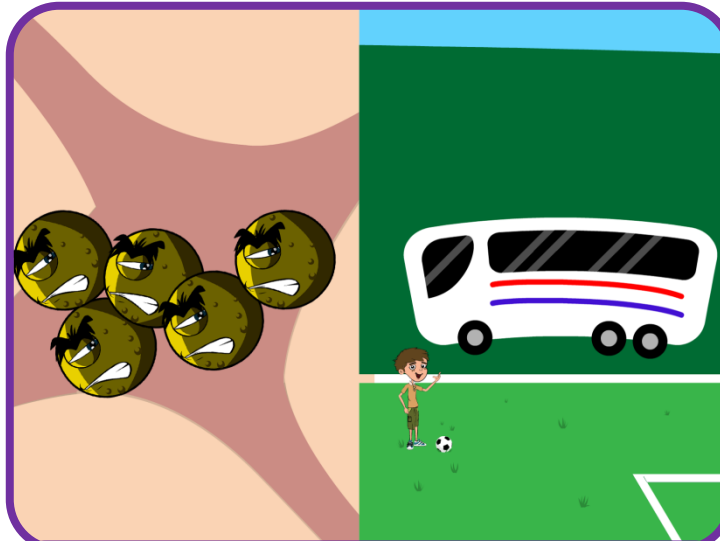
Microbe?



1. If you were as big as EUROPE...



2. A FUNGUS would be the size of a football pitch!



3. A BACTERIUM would be the size of a BUS!



4. A VIRUS would be the size of a FOOTBALL!



Before you start, decide if your microbe will be beneficial or harmful! Here are some pictures which might help!

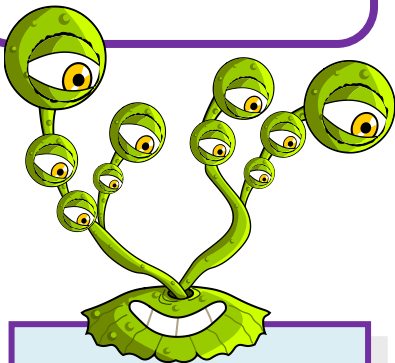


Bacteria come in lots of different shapes and sizes – some are round like balls, some are like spirals and some are long like rods. Some even use tail like structures to help them swim and move!

Draw your microbe here

1. Is it a beneficial or harmful microbe?

2. Choose a name for your microbe.



YOU are home to 1000 million microbes!



This is a picture of my _____



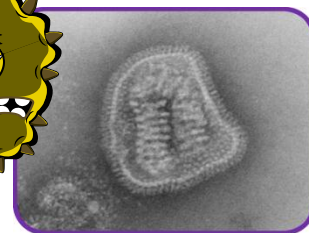
Microbe Mania

There are 3 different types of microbe – bacteria, viruses and fungi. From the pictures and descriptions, can you work out which microbe is which?

Hint

Remember there are three different types of bacteria

- rods
- spirals
- balls



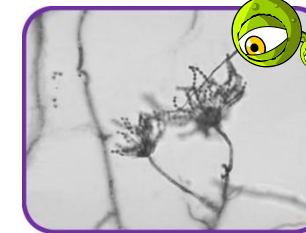
My name is **Influenza** but my friends call me the 'flu'. I'm very generous; I like to give people headaches and fever. I easily spread from person to person through coughing and sneezing. What am I?

Influenza is a:



My name is **Staphylococcus**. I am round in shape and I like to live in your nose or armpit! If I live on your skin I can give you spots. If I get into your bloodstream I can make you ill! What am I?

Staphylococcus is a:



My name is **Penicillium** and you'll find me growing on old oranges or stale bread making them look mouldy. Humans use me to make an antibiotic known as Penicillin which can make them better, but only from bacterial infections! What am I?

Penicillium is a:



My name is **Lactobacillus**. People call me 'friendly' because I change milk into yogurt! When you eat me in yogurt I live in your guts and help you digest other food. What am I?

Lactobacillus is a:



I'm called a **Dermatophyte** and I like to live on your skin. I especially like living in damp places like between the toes on sweaty feet! When I live there I give people athlete's foot! What am I?

Dermatophytes are:



My name is **Campylobacter**. I have a pretty spiral shape and I like to live in chickens but if I get into your tummy I make you very ill – I can give you diarrhoea! What am I?

Campylobacter is a:





Cysylltiadau Cwricwlwm Cenedlaethol

D6, R4, Gweithgaredd Estyn - D7
ABCh, Iechyd a Lles
emosiynol: (1a)
ABCh, Datblygu meddwl

Amcan o Amser Addysgu
50 munud

1.1 Micro-organebau Cyflwyniad

Mae'r adran hon yn cyflwyno disgyblion i fyd microbau, yn gyntaf trwy archwilio'r gwahanol fathau o ficroabu a'u siapiau, yna drwy edrych yn fanwl ar ficrobau buddiol a niweidiol.

Mae'r gweithgaredd cyflwyno yn galluogi'r disgyblion i gyfuno eu sgiliau arsylwi a chreadigol i wneud microb o'u dewis gan gadarnhau gwahanol fathau a siapiau o ficrobau.

Mae'r gweithgaredd estyn *Miri Microbau* yn ailadrodd gwrs y dosbarth ac yn galluogi'r disgyblion i benderfynu ai bacteriwm, firws neu ffwng yw'r microb dan sylw!

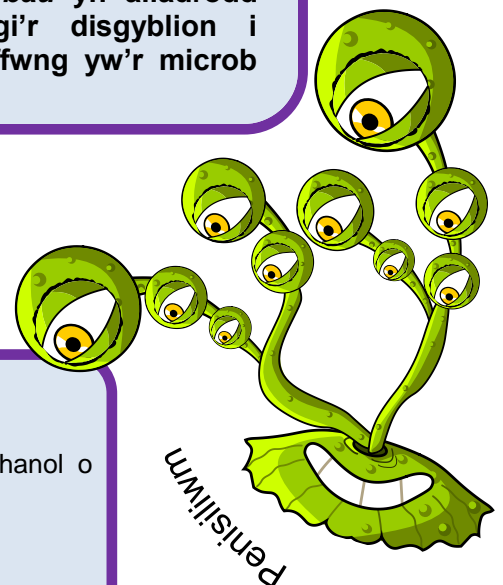
Deilliannau Dysgu

Bydd pob disgybl:

- Yn gwybod bod bacteria, firysau a ffwng yn dri math gwahanol o ficrob
- Yn deall bod microbau i'w cael ym mhob man

Bydd disgyblion mwy galluog:

- Yn gwybod bod microbau o bob lliw a llun i'w cael.





e-Bug

1.1 Micro-organebau Cyflwyniad

Gwybodaeth Gefndir

Organebau byw bach iawn, sy'n amhosib i'w gweld gyda'r llygad noeth yw micro-organebau, a elwir yn germau, bygiau neu ficrobau hefyd. Maen nhw ym mhob man bron ar y ddaear. Mae rhai yn fuddiol ac eraill yn niweidiol i bobl (byddwn yn trafod hyn eto). Er eu bod yn fach iawn, mae microbau o bob lliw a llun i'w cael. Mae yna dri prif grŵp ohonyn nhw:

Firysau – y microbau lleiaf sy'n niweidiol i bobl fel arfer. Dydyn nhw ddim yn gallu goroesi ar eu pen eu hunain. Maen nhw angen cell 'letyol' i oroesi ac atgynhyrchu. Pan fyddan nhw y tu mewn i'r gell letyol maen nhw'n gallu lluosgoi'n gyflym a difa'r gell wrth wneud hynny!

Ffyngau – organebau aml-gellog sy'n gallu bod yn fuddiol a niwiediol i bobl. Mae ffyngau'n cael eu bwyd drwy ddadelfennu deunydd organig marw neu drwy fyw fel parasitau ar ddeunydd lletyol. Gall ffwng fod yn niweidiol drwy achosi haint neu fod yn wenwynig i'w fwyta; gall eraill fod yn fuddiol neu'n niweidiol, e.e. *Penisiliwm* sy'n cynhyrchu'r gwrthfotig penisilin. Nid yw pob math o ffwng yn ficrobau ac mae'n bosib bwyta rhai fel *Agaricus*, sef botymau madarch gwyn.

Bacteria – organebau un gell sy'n gallu lluosogi'n gynt a chynt bob 20 munud. Yn ystod eu twf arferol mae rhai yn cynhyrchu sylweddau (tocsinau) sy'n niweidiol iawn i bobl ac yn achosi haint (*Staffylococws*); mae mathau eraill yn hollol ddiniwed i bobl ac eraill yn gallu bod yn ddefnyddiol iawn i ni (*Lactobasilws* yn y diwydiant bwyd), mae rhai yn angenrheidiol ar gyfer bywyd dynol fel y rhai sy'n gysylltiedig â thwf planhigion (*Rhisobacteriwm*). Gelwir bacteria diniwed yn facteria nad ydynt yn bathogenaidd, a bacteria niweidiol yn facteria pathogenaidd. Mae dros 70% o facteria yn facteria nad yw'n bathogenaidd. Gellir rhannu bacteria yn dri grŵp yn ôl eu siapiau – coci (peli), basili (rhodenni) a sbiralau. Gellir rhannu coci yn dri grŵp pellach yn ôl y ffordd mae'r coci wedi'u trefnu: staffylococi (clystyrau), streptococi (cadwynau) a diplococi (parau). Mae gwyddonwyr yn defnyddio'r siapiau hyn i ddweud pa haint sydd ar y claf.

Paratoi Ymlaen Llaw

- Paratoi copi o [GD 1](#) a [GD 2](#) i bob disgybl.
- Paratoi poster [TD 1](#) i'r dosbarth neu ar y bwrdd gwyn.
- Prynu neu ddilyn y rysât yn [AA 4](#) i wneud clai chwarae mewn lliwiau gwahanol.
- Lawrlwytho amryw o luniau microbau o www.e-bug.eu i'r disavblion edrvch arnnt.

Geiriau Allweddol

Bacteria
Byg
Cell
Clefyd
Ffwng
Germ
Microb
Micro-organeb
Microsgôp
Pathogen
Probiotig
Firysau

Deunyddiau Angenrheidiol

I bob disgybl

- ☐ Copi o [TD 1](#)
- ☐ Copi o [GD 1](#)
- ☐ Copi o [GD 2](#)
- ☐ Dysgl Petri (dewisol)
- ☐ Lluniau o ficrobau o www.e-bug.eu

I bob Grŵp

- ☐ Clai chwarae mewn lliwiau amrywiol (ar gyfer ryseitiau cartref gweler [AA 4](#))

Adnoddau sydd ar gael ar y We

- Ffilm arddangos y gweithgaredd
- Ffotograffau amrywiol o ficrobau

FFAITH RYFEDDOL

Dyfeisiodd Anthony van Leewenhoek y microsgôp cyntaf ym 1676. Defnyddiodd ef i archwilio gwahanol eitemau yn ei gartref a galwodd y creaduriaid byw (bacteria) a welodd ar graffion o'i ddannedd yn 'filionos' (*animalcules*).



1.1 Micro - organebau Cyflwyniad

Cynllun Gwers

Cyflwyniad

1. Dechreuwch y wers drwy ofyn i'r plant beth maen nhw'n ei wybod am germau neu fygiau. Gofynnwch a ydyn nhw, neu rywun o'u teulu, wedi bod yn sâl o gwbl? Beth oedd y clefyd a beth oedd wedi'i achosi yn eu barn nhw?
2. Esboniwch wrth y plant fod rhai clefydau o'r enw heintiau yn cael eu hachosi gan germau ac mai microbau byw bychan iawn o'r enw microbau yw'r rhain. Dangoswch i'r plant fod yna dri math gwahanol o ficrob: bacteria, firysau a ffyngau. Defnyddiwch y poster lliw ([TD 1](#)), sydd hefyd i'w gael mewn fformat cyflwyniad bwrdd gwyn ar wefan e-Bug (www.e-bug.eu).
3. Esboniwch fod y microbau hyn mor fach a bod rhaid edrych drwy ficrosgôp i'w gweld. Defnyddiwch y gweithgaredd gwe neu rhwch gopi o [TD 2](#) i'r disgyblion i ddangos gwahanol feintiau microbau.
4. Pwysleiswch fod yna ficrobau buddiol i'w cael yn ogystal â rhai sy'n achosi salwch. Gofynnwch i'r plant nodi rhai microbau defnyddiol. Os nad ydyn nhw'n gallu gwneud hynny, rhwch enghreifftiau iddyn nhw e.e. *Lactobasilws* mewn iogwrt a diodydd probiotig, penisilin o ffyngau ac ati.
5. Pwysleiswch wrth y dosbarth fod microbau i'w cael YM MHOB MAN: yn yr aer rydym yn ei anadlu, ar y bwyd rydym yn ei fwyta, ar ein cyrff, yn ein ceg, trwyn a stumog.

Prif Weithgaredd

1. Gall unigolion neu grwpiau wneud y gweithgaredd hwn.
2. Rhwch daflen liw ([TD 1](#)) i bob grŵp i ddangos y gwahanol fathau o facteria neu rhwch bosteri lliwgar ar waliau'r dosbarth o wefan www.e-bug.eu. Bydd y taflenni hyn yn dangos microbau o bob lliw a llun gyda'u henwau ac a ydyn nhw nhw'n ficrobau defnyddiol neu niweidiol.
3. Rhwch glai chwarae o liwiau gwahanol, dysglau petri a chopi o [GD 1](#) i bob grŵp.
4. Gofynnwch i bob plentyn / grŵp ailgreu microb neu grwpiau o ficrobau yn eu dysgl petri yn seiliedig ar y lluniau lliw a ddarparwyd.
5. Mae'n rhaid i bob plentyn benderfynu a ydyn nhw'n credu bod eu microb yn ddefnyddiol neu'n niweidiol a rhoi ei enw. Mae'n bwysig gadael i'r plant fod mor greadigol â phosib wrth ystyried strwythur gwirioneddol microbau.
6. Atgoffwch y dosbarth mai ffyngau yw'r microbau mwyaf ac mai firysau yw'r rhai lleiaf.
7. Os oes digon o amser, gall y disgyblion gyflwyno eu microbau i'r dosbarth.





1.1 Micro - organebau Cyflwyniad

Cynllun Gwers

Sesiwn Lawn

Gwiriwch i weld a yw'r plant yn deall drwy ofyn y cwestiynau canlynol:

1. Beth yw'r mathau mwyaf cyffredin o ficrobau?
Mae yna dri prif fath sef bacteria, firysau a ffyngau.
2. Beth yw germau?
Enw arall i ddisgrifio microb niweidiol.
3. Ble mae microbau yn byw?
YM MHOB MAN, yn yr aer rydym ni'n ei anadlu, ar y bwyd rydym ni'n ei fwyta, ar ein cyrff, yn ein ceg, trwyn a'n stumog.
4. Ydy pob microb yn niweidiol?
Na, er bod rhai microbau yn niweidiol mae yna lawer o ficrobau defnyddiol iawn hefyd sy'n cael eu defnyddio gennym bob dydd, er enghraifft, mae Sacharomycau (ffyngau) yn cael ei ddefnyddio i wneud i fara godi, a Lactobasilws (bacteria) yn helpu i wneud iogwrt a chaws.
5. Beth yw'r gwahanol siapau sydd gan facteria?
Sbiralau (Campylobacter), Rhodenni (Lactobasili) a Pheli (Staffylococws).

Gweithgaredd Estyn

1. Rhowch gopi o **GD 2** a **TD 1** i bob disgybl.
2. Drwy ddarllen y disgrifiadau a defnyddio'r wybodaeth ar y taflenni mae'n rhaid i'r disgyblion benderfynu a yw'r microbau'n facteriwm, firws neu'n ffwng.
 - a. Mae staffylococws yn facteriwm.
 - b. Mae lactobasilws yn facteriwm.
 - c. Mae dermatoffytau yn ffyngau.
 - d. Mae ffliw yn firws.
 - e. Mae penisiliwm yn ffwng.
 - f. Mae campylobacter yn facteriwm.



1.1 Micro - organebau

Cyflwyniad

Clai chwarae cartref Rysâit

Deunydd meddal, hyblyg yw clai chwarae sy'n gallu cadw plant yn ddi-ddig am gryn amser. Mae nifer o gwmnïau yn gwerthu clai chwarae ond gallech arbed arian drwy wneud clai eich hun. Trwy wneud clai eich hun hefyd gallwch ddewis y lliwiau rydych am eu defnyddio. Nid yw'r clai chwarae cartref yn wenwynig, mae'n lliwgar ac yn hawdd i'w ddefnyddio sy'n ddelfrydol ar gyfer chwarae creadigol a'r gweithgaredd hwn.

Cynhwysion

- 1 cwpan o flawd plaen
- 1 cwpan o ddŵr
- 1/2 cwpan o halen
- 2 lwy fwrdd o hufen tartar
- 2 llwy fwrdd o olew
- Lliwydd bwyd

Dull



Cymysgwch y cynhwysion sych gyda'i gilydd



Ychwanegwch y dŵr a chymysgu nes ei fod yn llyfn



Ychwanegwch y lliwydd bwyd yna'r olew



Coginiwch ar wres canolig, a'i droi'n gyson, nes fod y toes yn gadael ochr y sosban mewn pêl



Gadewch i oeri cyn ei ddefnyddio



e-Bug



Awgrym Da

Mae yna facteria o bob lliw a llun – rhai yn grwn fel peli, rhai fel sbiralau a rhai yn hir fel rhodenni. Mae rhai yn defnyddio pethau tebyg i gynffon i'w helpu i nofio a symud!

Beth yw Microbau?

Creu Microb

Cynlluniwch ficrob o'ch dewis, naill ai bacteriwm, firws neu ffwng gan ddefnyddio'r deunyddiau sydd ar gael.

Cyn i chi ddechrau, penderfynwch a fydd eich microb yn fuddiol neu'n niweidiol! Dyma rai lluniau a allai helpu!

Bacteria



Firysau



Ffyngau

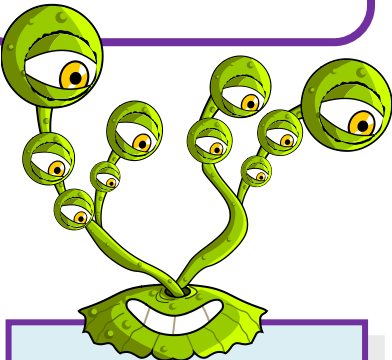


Wedi gweld

Tynnwch lun o'ch microb yma

1. A yw'n ficrob defnyddiol neu niweidiol ydyw?

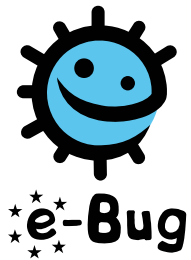
2. Dewiswch enw i'ch microb.



Ffaith Ryfeddol

Rydych CHI yn gartref i 1000 miliwn o ficrobau!





123

Miri Microbau

Mae yna 3 math gwahanol o ficrob – bacteria, firysau a ffyngau.

Allwch chi ddweud pa ficrobau yw'r rhain o'r lluniau a'r disgrifiadau?

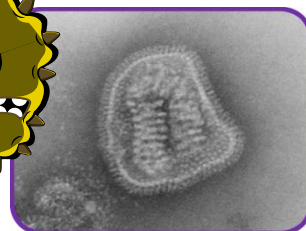
Awgrym

Cofiwch fod yna dri math gwahanol o facteria

- rhodenni
- sbiralau
- peli



Staffylococws ydw i. Dwi'n grwn ac yn hoffi byw yn eich trwyn neu'ch cesail! Pan dwi'n byw ar eich croen dwi'n gallu achosi plorod. Os alla i fynd i'ch gwaed fe alla i eich gwneud yn sâl! Beth ydw i?



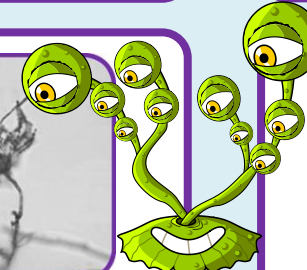
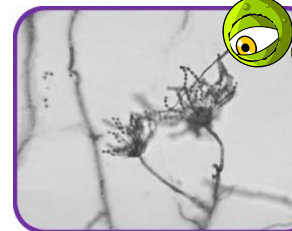
Ffliw ydw i. Dwi'n hael iawn; dwi'n hoffi rhoi cur pen a gwres uchel i bobl. Dwi'n lledaenu'n hawdd o un person i'r llall drwy beswch a thisian. Beth ydw i?



Lactobasilws ydw i. Mae pobl yn fy ngalw i'n 'gyfeillgar' am fy mod yn troi llaeth yn iogwrt! Dwi'n byw yn eich perfedd chi ac yn eich helpu chi i dreulio bwydydd eraill. Beth ydw i?



Dermatoffyt ydw i a dwi'n hoffi byw ar eich croen chi. Fy hoff lefydd yw llefydd llaith fel rhwng bysedd traed chwyslyd! Pan dwi'n byw yno rwy'n achosi tarwden y traed. Beth ydw i?



Penisiliwm ydw i ac fe welwch chi fi'n tyfu ar hen orenau neu hen fara gan achosi iddyn nhw lwydo. Mae pobl yn fy nefnyddio i wneud gwrthfotig o'r enw Penisilin sy'n gallu eu gwella, ond dim ond o heintiau bacterol! Beth ydw i?



Campylobacter ydw i. Dwi'n siâp sbiral del a dwi'n hoffi byw mewn cyw iâr. Os bydda i'n cyrraedd eich stumog chi fe alla i eich gwneud yn sâl iawn – dwi'n gallu rhoi dolor rhydd i chi! Beth ydw i?



e-Bug

- Organebau byw
- Maen nhw mor fach mae angen microsgôp i'w gweld nhw
- Mae rhai o bob lliw a llun i'w cael

Beth yw Microbau?

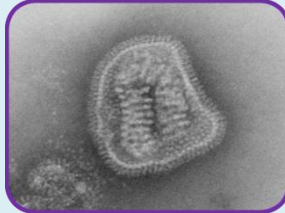
- Maen nhw i'w cael YM MHOBMAN!
- Mae rhai'n ddefnyddiol neu'n dda hyd yn oed
- Mae rhai'n gallu ein gwneud yn sâl



Mae yna **3** math gwahanol o ficrobau:

FIRYSAU

Ffliw



- Mae firysau yn llai na bacteria hyd yn oed ac yn gallu byw Y TU MEWN i facteria weithiau!
- Mae rhai firysau yn ein gwneud yn sâl.
- Mae clefydau fel BRECH YR IEIR a'r FFLIW yn cael eu hachosi gan firysau.
- Mae firysau'n gallu lledaenu o un person i'r llall ond mae'n dibynnu ar y math o firws.

BACTERIA

- Mae yna dri math gwahanol o facteria. Maen nhw'n edrych fel:

Sbiralau

(*Campylobacter*)



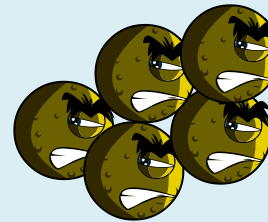
Rhodenni

(*Lactobasilws*)



Peli

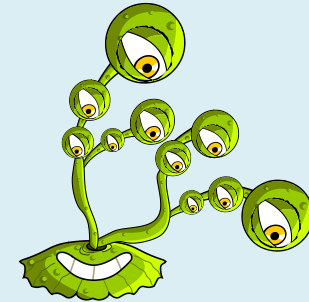
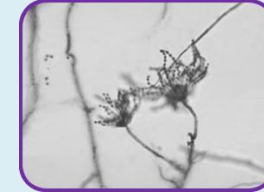
(*Staffylococws*)



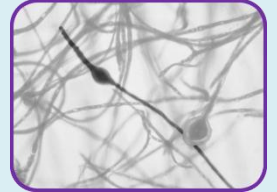
- Maen nhw mor fach fel y gallai'r atalnod llawn ar ddiwedd y frawddeg hon gynnwys miloedd o facteria.
- Mae rhai bacteria yn ddefnyddiol wrth goginio, er enghraifft, i wneud iogwrt a chaws.
- Mae rhai bacteria yn niweidiol ac yn achosi haint.

FFYNGAU

Penisiliwm

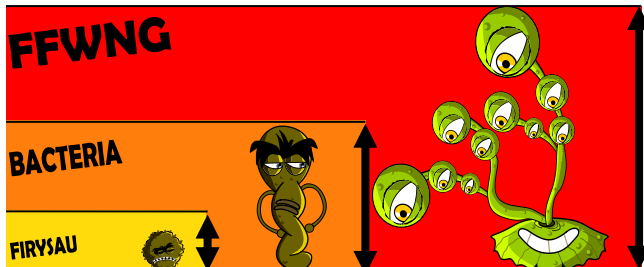


Dermatoffyt



- Ffyngau yw'r microbau mwyaf.
- Maen nhw i'w cael yn yr aer, ar blanhigion ac mewn dŵr.
- Mae llwydni, sy'n tyfu ar fara, yn fath o ffwng.
- Mae rhai gwrthfotigau'n cael eu gwneud o ffyngau.

Maint y Microb





e-Bug

**Pa
mor
fawr
yw**

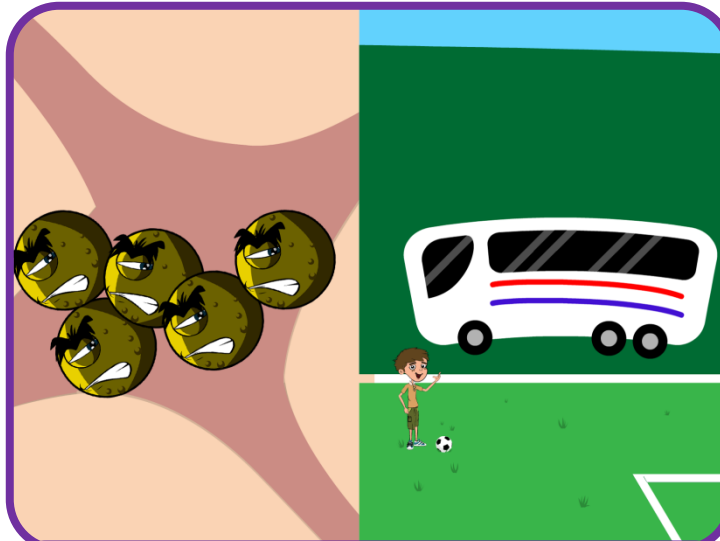
Microb?



1. Os oeddech chi mor fawr aa EWROP...



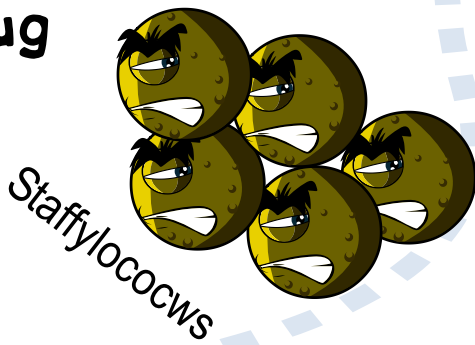
2. Buddai FFWNG mor fawr â CHAE PÊL-



3. Buddai BACTERIWM mor fawr â BWS!



4. Buddai FIRWS mor fawr â PHÊL DROED!



Cyslltiadau Cwricwlwm Cenedlaethol

D5, D6, D7, R4
ABCh, Datblygu meddwl
ABCh, Datblygu cyfathrebu
ABCh, Iechyd a lles emosiynol:
(1a), (1e).
Llythrennedd
Amcan o Amser Addysgu
50 munud

4. Trin Haint

Defnyddio Gwrthfotigau a Meddyginiaeth

Mae Adran 4, Trin Haint, yn edrych ar y defnydd o wrthfotigau a meddyginiaeth wrth drin gwahanol fathau o salwch a chlefydau.

Gweithgaredd trafod i ddisgyblion yw hwn. Cyflwynir amryw o sefyllfaoedd yn niwrnod ysgol Alys a Huw iddyn nhw. Yna, maen nhw'n trafod y gwahanol sylwadau a wnaed yn y cartŵn ac yn penderfynu ydyn nhw'n cytuno neu beidio.

Deilliannau Dysgu

Bydd pob disgybl

- Yn deall bod y rhan fwyaf o'r heintiau cyffredin yn gwella ohonynt eu hunain gydag amser, gorfswys yn y gwely, yfed digon a byw'n iach
- Yn deall ei bod hi'n bwysig gorffen unrhyw wrthfotigau a roddir iddynt





4.1 Trin Haint

Defnyddio Gwrthfotigau a Meddyginiaeth

Geiriau Allweddol

Gwrthfotig
Clefyd
Salwch
System imiwnedd
Haint
Meddyginiaeth
Rhwystrau naturiol
Amddiffynfa naturiol
Symptom
Brechlyn

Deunyddiau Angenrheidiol

I bob Disgybl/Grŵp

- ☐ Copi o [TD 1](#)
- ☐ Copi o [TD 2](#)
- ☐ Copi ar fwrdd gwyn neu daflunydd dros ysgwydd (dewisol) o [TD 1](#)

Gwybodaeth Gefndir

Mae gan y corff lawer o **amddiffynfeydd naturiol** i helpu i frwydro yn erbyn microbau drwg sy'n gallu achosi haint - mae'r croen yn atal microbau rhag mynd i'r corff, mae gan y trwyn bilen ludiog i ddal microbau sy'n cael eu hanadlu, mae dagrau'n cynnwys sylweddau sy'n lladd bacteria ac mae'r stumog yn cynhyrchu asid sy'n gallu lladd llawer o ficrobau. Yn gyffredinol, drwy fyw bywyd iach (bwyta'r bwyd iawn, yfed digon o ddŵr a chael llawer o orffwys) mae'r rhwystrau naturiol hyn yn ein helpu ni i gadw'n iach. Ond, mewn rhai achosion, mae microbau'n gallu croesi'r rhwystrau hyn a mynd i mewn i'n corff.

Gan amlaf mae'r system imiwnedd yn trechu unrhyw ficrobau niweidiol sy'n dod i mewn i'r corff, ond mae'r system angen cymorth weithiau. Meddyginiaethau arbennig yw **gwrthfotigau** sy'n cael eu defnyddio gan feddygon i ladd **bacteria** niweidiol. Mae rhai yn atal bacteria rhag atgynhyrchu ac eraill yn lladd bacteria. Maen nhw'n trin clefydau a achosir gan facteria, fel llid yr ymennydd, twbercwlosis a niwmonia. Dydyn nhw **ddim** yn niweidio firysau, felly allan nhw ddim trin clefydau fel annwyd a fflw, sy'n cael eu hachosi gan firysau.

Cyn i wrthfotigau gael eu dyfeisio roedd bacteria niweidiol yn lladd llawer o bobl. Ond heddiw mae modd trin y rhan fwyaf o heintiau bacterol gyda gwrthfotigau – ond mae'r bacteria yn ymladd yn ôl! Wrth i facteria ddod i gysylltiad cynyddol â gwrthfotigau maen nhw'n datblygu ymwrthedd iddyn nhw. Golyga hyn fod heintiau bacterol yn dod yn fygythiad i fywyd eto. Gallwn helpu i atal hyn mewn sawl ffordd:

- defnyddio gwrthfotigau a gewch gan eich meddyg yn unig
- gorffen unrhyw wrthfotigau a gewch bob amser
- peidio â'u defnyddio ar gyfer peswch ac annwyd syml

Mae meddyginiaeth wrthfiraol a gwrthffwngaid ar gael hefyd; ond mae'n bwysig eich bod yn cael y rhain gan feddyg. Diben llawer o'r meddyginiaethau sydd i'w gael dros y cownter yw lleddfu symptomau heintiau, er enghraifft, tabledi lleddfu poen neu feddyginiaeth i ostwng tymheredd.

Paratoi Ymlaen Llaw

Argraffu/Llungopïo [TD 1](#), [TD 2](#) a [GD 1](#) i bob disgybl.



4.1 Trin Haint

Defnyddio Gwrthfotigau a Meddyginiaeth

Cynllun Gwers

Cyflwyniad

1. Dechreuwch y wers drwy egluro i'r disgyblion eu bod yn mynd i ddysgu sut i drin heintiau cyfredol. Atgoffwch nhw bod microbau niweidiol yn ein gwneud ni'n sâl. Gofynnwch i'r disgyblion am eu profiadau o fod yn sâl, beth oedd y salwch, sut roedden nhw'n teimlo a pha driniaeth gawson nhw? Wnaethon nhw fynd at y meddyg neu gael rhywbeth o'r fferyllfa?
2. Dywedwch wrth y disgyblion y dylem adael i'n cyrff geisio ymladd y microbau niweidiol cyn troi at feddyginiaeth. Eglurwch fod gennym system imiwnedd yn ein cyrff sy'n brwydro yn erbyn microbau niweidiol. Os ydym yn cael digon o gwsg ac yn bwyta'n iawn byddwn ni'n cadw'n system imiwnedd yn gryf a bydd yn parhau i allu ymladd y microbau niweidiol.
3. Eglurwch fod angen cymorth ar y system imiwnedd weithiau os oes llawer o ficrobau niweidiol yn dod i mewn i'r corff. Eglurwch fod gwahanol fathau o feddyginiaeth yn cael eu defnyddio i drin symptomau heintiau gwahanol e.e. meddyginiaeth peswch, tabledi lleddfu poen, meddyginiaeth i ostwng tymheredd ac ati.
4. Dywedwch wrth y disgyblion fod **gwrthfotigau** yn feddyginiaethau arbennig sy'n cael eu defnyddio i drin heintiau **bacterol** yn unig. Maen nhw'n ein gwella drwy ladd y bacteria niweidiol sy'n ein gwneud yn sâl. Eglurwch wrth y disgyblion fod gwahanol wrthfotigau yn lladd gwahanol facteria felly ni ddylem ddefnyddio gwrthfotigau pobl eraill gan na fyddan nhw'n gweithio o reidrwydd; dim ond rhai a roddir i ni gan y meddyg y dylem ni eu cymryd.
5. Eglurwch ei bod hi'n bwysig gorffen y gwrthfotigau i gyd pan gawn rai gan y meddyg. Os na wnawn ni hynny efallai na fyddwn yn lladd y bacteria niweidiol ac fe allen nhw ein gwneud ni'n sâl eto neu ddatblygu ymwrthedd.
6. Dylai disgyblion wybod bod llawer o feddyginiaethau eraill e.e. tabledi lleddfu poen neu ffisig peswch yn cael eu defnyddio i lleddfu symptomau fel cur pen, gwres neu gyflyrau anwydog ac ati.

Prif Weithgaredd

1. Gellir cynnal y gweithgaredd hwn mewn grwpiau bach neu fel trafodaeth ystafell ddosbarth. Mae'r dasg yn cael ei chyflwyno fel stori gartŵn.
2. Mae pob adran o'r cartŵn yn dangos sefyllfa sy'n gofyn am benderfyniad. Mae geiriau'r unigolyn sy'n gwneud y penderfyniad mewn italig i dynnu sylw atyn nhw.
3. Dangoswch bob bocs i'r disgyblion (naill ai i gyd gyda'i gilydd [TD 1](#) a [TD 2](#) neu fel bocsys unigol ar y bwrdd gwyn neu'r taflunydd dros ysgwydd o'r wefan www.e-bug.eu) a thrafodwch a yw'r unigolyn wedi gwneud y penderfyniad cywir neu beidio.
4. Mae'r pwyntiau trafod yn [AA 3](#).



4.1 Trin Haint

Defnyddio Gwrthfotigau a Meddyginiaeth

Cynllun Gwers

Sesiwn lawn

Gwiriwch fod y plant yn deall drwy ofyn y cwestiynau canlynol iddyn nhw

1. Beth sy'n achosi heintiau?
Microbau niwieidiol.
2. Beth yw meddyginiaethau?
Unrhyw sylwedd sy'n cael ei ddefnyddio i drin clefyd neu symptomau clefyd.
3. Beth yw gwrthfotigau?
Meddyginiaethau arbennig sy'n cael eu defnyddio i drin heintiau bacterol.
4. Pam na ddylen ni ddefnyddio gwrthfotigau pobl eraill?
Mae gwahanol wrthfotigau yn lladd gwahanol heintiau bacterol, felly efallai na fydd gwrthfotigau a roddwyd ar gyfer haint clust yn gweithio ar glwyf wedi'i heintio.
5. Beth allai ddigwydd os nad ydyn ni'n gorffen ein gwrthfotigau?
Efallai y bydd y bacteria sydd wedi achosi'r haint yn goroesi. Bydd y bacteria hyn wedi dod i gysylltiad â'r gwrthfotigau ac wedi dysgu sut i ymladd yn eu herbyn y tro nesaf y byddan nhw'n cael eu defnyddio h.y. fe fyddan nhw'n datblygu ymwrthedd i'r gwrthfotigau.

Gweithgaredd Estyn

1. Gellir cynnal y gweithgaredd hwn naill ai'n unigol neu mewn grwpiau o 2-4 disgybl.
2. Rhowch gopi o **GD 1** i'r disgyblion.
3. Dylai'r disgyblion baru'r gair yn y golofn chwith gyda'r diffiniad yn y golofn dde.





4.1 Trin Haint

Defnyddio Gwrthfotigau a Meddyginiaeth

Pwyntiau Trafod



Dylai Natasha roi ei llaw dros ei cheg wrth besychu. Mae haint yn gallu lledaenu'n hawdd o un person i'r llall drwy besychu a thisian. Mae'r hyn rydych yn ei disian yn teithio tua 100mya gyda chryn nerth sy'n golygu fod y microbau ynddo yn gallu teithio'n bell iawn a heintio pobl eraill.



Dylech olchi eich dwylo ar ôl bod yn y toiled bob amser. Mae llawer o ficrobau drwg sy'n achosi salwch mewn toiledau. Mae hylendid personol da yn hanfodol i fyw'n iach ac yn gallu lleihau lledaeniad haint yn sylweddol. Mae profion wedi dangos fod golchi dwylo'n iawn yn lleihau absenoldebau o'r ysgol yn sgil salwch stumog, peswch ac annwyd.



Ni ddylai Alys ddefnyddio gwrthfotigau ei chwaer. Mae yna lawer o rai gwahanol sy'n trin gwahanol heintiau bacterol. Mae'r meddyg yn rhoi gwrthfotigau penodol ar gyfer salwch penodol a'r dos sy'n addas i'r claf. Efallai na fydd eich haint yn gwella wrth i chi gymryd gwrthfotigau rhywun arall.



Dylai Mrs Williams fod wedi golchi pen-glin Huw i lanhau unrhyw faw neu ficrobau oedd ynddo. Mae eli antiseptig yn gallu helpu i atal haint mewn briw dwfn. Yn gyffredinol, nid oes angen rhoi plastr ar friwiau a chrafiadau llai, bydd awyr iach yn helpu i greu crachen.



Mae'r meddyg yn iawn; dim ond ar heintiau bacterol mae gwrthfotigau'n gweithio. Ffyrsgau sy'n achosi peswch ac annwyd ac yn aml iawn, bydd amddiffynfeydd naturiol y corff yn ymladd yr heintiau hyn. Mae meddyginiaethau eraill o'r fferyllfa ar gael i helpu i leddfu symptomau peswch ac annwyd.



Mae'n bwysig bod Huw yn gorffen yr holl wrthfotigau. Gallai peidio â'u gorffen olygu nad yw'r bacteria yn cael eu lladd yn iawn a gallai ddatblygu ymwrthedd i'r gwrthfotig yn y dyfodol.



1. Aeth Alys i'r ysgol er bod hi ddim yn teimlo'n dda. Roedd ganddi gur pen ac roedd ei thrwyn yn rhedeg. Eisteddodd wrth ymyl Natasha yn y dosbarth. Ond doedd Natasha ddim vn dda 'chwaith.



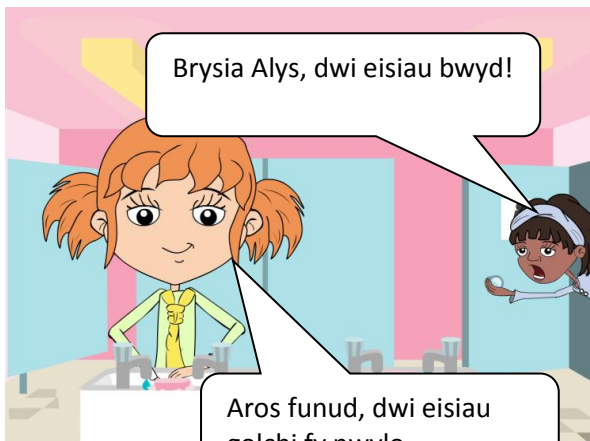
Wyt ti'n iawn Natasha?

Na, a dweud y gwir, ond dwedodd mam fod rhaid i fi ddod i'r ysgol
peswch *peswch*



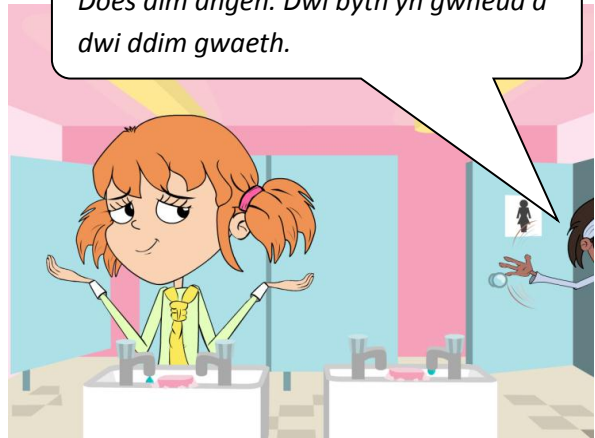
Dyna ddwedodd mam hefyd. Ond dwi ddim yn pesychu. Ddylet ti roi dy law dros dy geg ti'n gwbod.

2. Amser cinio, aeth Alys a Natasha i'r toiled. Roedd Natasha eisiau bwyd ac am fynd i gael cinio yn syth.



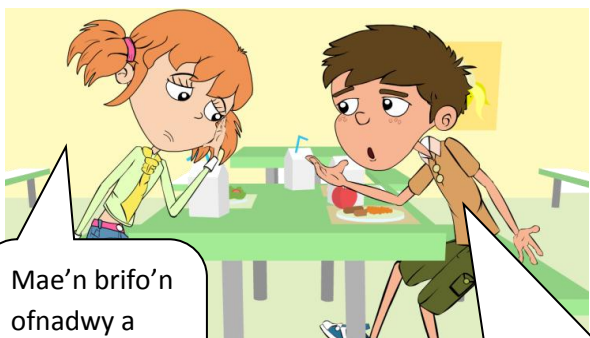
Brysia Alys, dwi eisiau bwyd!

Aros funud, dwi eisiau golchi fy nwylo.



Does dim angen. Dwi byth yn gwneud a dwi ddim gwaeth.

3. Yn ystod amser cinio roedd Alys yn siarad gyda'i ffrind Huw am ei chur pen a'i thrwyn yn rhedeg.



Mae'n brifo'n ofnadwy a dwi'n meddwl mod i'n cael

Oes gen ti unrhyw dabledi gwrthfotig adre allet ti eu cymud?



Dyna syniad da. Mae gynnwng ni rai ers i'm chwaer i gael pigyn clust. Mi wnaf ofyn i mam.



e-Bug

4. Ar ôl bwyta, aeth y plant allan i chwarae. Syrthiodd Huw ac anafu ei ben-glin.
Roedd y briw yn ddwfn iawn.



Awww mae mhen-glin i'n gwaedu.

Dere awn ni i weld Mrs Williams



O diar. Gadewch i mi weld. Dydi o ddim rhy ddrwg. Rown ni blastr arno fo.

5. Pan gyrhaeddodd Alys adref penderfynodd ei mam fynd â hi at y meddyg.
Dwedodd fod ganddi annwvd drwg.

Ewch adre, sbel yn y gwely sydd angen arni hi a thabledi lleddfu poen i'r cur pen os oes angen.



Ond mae'n sâl, mae'n rhaid i chi roi tabledi gwrthfotig iddi hi.

Mae'n flin gen i, ond does dim angen.



6. Doedd Huw ddim yn yr ysgol drannoeth felly galwodd Alys i'w weld ar y ffordd adref o'r ysgol.

Doeddet ti ddim yn yr ysgol heddiw, ti'n iawn?



Na, roedd fy mhen-glin i'n boenus yn y nos felly aeth Mam â fi at y meddyg. Ddwedodd o bod y ben-glin wedi'i heintio.

O na, ges di dabledi lleddfu poen?



Naddo, ges i dabledi gwrthfotig i helpu i ymladd yr haint a dwedodd bod rhaid gorffen y cwbl.





Drysu

geiriau!



Mae Huw wedi drysu, allwch chi ei helpu i roi'r ystyr gywir i'r geiriau cywir. Dim ond un mae wedi llwyddo i'w wneud!

Gwrthfotig

Bacteria

Haint

Meddyginiaeth

Cyffur lleddfu poen

Firws

Symptom

Y MICROB LLEIAF –
NIWEIDIOL FEL ARFER

CYFFUR SY'N CAEL EI
DDEFNYDDIO I DRIN
CLEUD NEU ANAF

ARWYDD O SALWCH
E.E. CUR PEN, DOLUR
RHYDD NEU WRES

MEDDYGINIAETH
ARBENNIG I DRIN
HEINTIAU SY'N CAEL
EU HACHOSI GAN
BACTERIA

CLEFYD SY'N CAEL EI
ACHOSI GAN FICROB

MICROB BACH IAWN
SY'N GALLU BOD YN
DDA NEU'N DDRWG

CYFFUR SY'N CAEL EI
DDEFNYDDIO I GAEL
GWARED Â PHOEN



Pharmacist goes back to school to spread the word on antibiotic resistance

Children at Ysgol Llanfair Dyffryn Clwyd have been given a lesson in how to help ensure antibiotics keep people healthy for generations to come.

Antimicrobial Pharmacist Kailey Sassi-Jones visited year 5 and 6 pupils at the Ruthin school to share information about antibiotics

This formed part of an awareness raising campaign by North Wales pharmacists for World Antibiotics Awareness Week.

As well as a lesson in how antibiotics were developed and what they do, Kailey shared information with the pupils about why it's important to use antibiotics responsibly.

The pupils finished the lesson by signing up as Antibiotic Guardians, pledging to support the safe use of antibiotics.

Antibiotics don't work on viruses such as colds, flu and sore throats, and thousands of deaths are caused every year because some dangerous bacteria has become resistant to antibiotics, which means they may not work when you really need them.

Kailey Sassi-Jones said: "We're working with youngsters to try and influence future generations and help them to understand why responsible use of antibiotics is so important.

"Hopefully they can share these messages with their friends, family, and in particular parents too - who often think they might be doing the right thing in asking for antibiotics for their child when their poorly.

"It's about getting people on side so they can understand what antibiotics are, how they help, and why we need to do all we can to keep them working for future generations to come."

As well as learning all about antibiotics, the pupils also took part in a competition to draw their own antibiotic bug, with the designs set to go on display at Ruthin Community Hospital.

Ysgol Llanfair Dyffryn Clwyd Head Teacher Helen Oldfield said: "It was great to welcome Kailey here to share information with our pupils about antibiotics.

"We're always keen to welcome guests in to talk to the children about important issues like antibiotic awareness,

For World Antibiotics Awareness Week, Pharmacy staff have organised a series of events in hospitals throughout North Wales, including information stands, antimicrobial stewardship ward rounds and encouraging staff and the public to become Antibiotic Guardians.

?? Can you ask readers to also pledge to become antibiotic guardians by visit www.antibioticguardian.com ?? just a thought

Ends

AWYR LAS
FUNDING APPLICATION FORM

<u>Title of Funding Application</u>	Exploring Healthcare Professionals perspectives on Advance Care Planning: another piece of the puzzle	
<u>Name & Job Title of Lead Applicant</u>	Ros Johnstone Macmillan BCUHB Advance Care Planning Lead	
<u>Name & Job Title of Other Applicants</u>	Dr Caroline Usborne, Consultant in Palliative Medicine, Clinical ACP Lead & Clinical Director Cancer Services Alison Foster, Macmillan Head of Nursing for Specialist Palliative Care	
<u>Maximum Expenditure Requested</u>	£23,993	
<u>Fund to be Sourced</u>	Fund Number & Title	Palliative Care Fund - YMW - Fund 7Q03
	Current Uncommitted Balance	£ 105,646.23
<u>Introduction and Background</u>		
<p>Introduction</p> <p>Advance Care planning is a patient–led process of structured discussion between a person/patient and their healthcare professionals. The discussions are aimed at eliciting and clarifying wishes and preferences of the patient for future care. The outcomes of these discussions are recorded in a patient-held Advance Care Plan (ACP) document.</p> <p>The ACP comes into its own if disease progression results in loss of capacity or capability to express wishes and preferences for one-self. The published literature on ACP is limited and comprises of mostly observational studies mainly but not exclusively, from outside of the UK.</p> <p>The literature indicates that ACP can have a positive effect on end of life care and may contribute to reduced admissions to hospital at the end of life. ^{1,2,3,4}</p>		

The latter point has ramifications for reducing bed pressures in the acute sector and economic considerations for health boards, although the costs of ACP education and training need to be factored into the economic analysis.⁵

Notable amongst the published literature on ACP is the lack of any perspectives gathered from the relatives, or those important to the deceased.² This is understandable since this is a vulnerable group within society grieving for the loss of a family member. Nevertheless, their views of the impact of ACP may offer valuable insights into how ACP can be developed refined and improved. Anecdotal evidence suggests that ACP improves the patient experience, can help families come to terms with their loss and positively impact on the experience of healthcare professionals. We are seeking to qualify how this might be so, explore the emerging evidence that ACP helps to reduce hospital admissions at the end of life and what the process of advance care planning means to healthcare professionals involved in ACP discussions and documentation with patients.

The systematic studies referenced above, universally state that further work is required to identify the missing pieces of knowledge around ACP.

Establishment of an evidence base to underpin advance care planning is required and that the views of the patient, their families or those important to them and the perspectives of the healthcare professionals involved in their care, should be taken into consideration when evaluating advance care planning.

Background

Betsi Cadwaladr University Health Board and Macmillan Cancer Support are collaborating with their voluntary sector partners to monitor ACP discussion opportunities in hospice day care. Core experienced staff are already in post and have capacity to manage a 12 month qualitative research study to explore ACP from the perspective of the patient and their bereaved family members. To further enrich and inform this evaluation of ACP the perspectives of healthcare professionals involved in ACP discussions and documentation with patients require exploration.

A complex intervention⁶ such as ACP requires a multi-method three-armed methodological approach. The qualitative interviews with patients and their relatives has secured funding and a start date of February 2019 is planned. The study proposed here is focused on approaching the healthcare professionals involved in ACP discussions and documentation with the patients who agree to participate in the study.

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2. Dixon-Woods M. Using framework-based synthesis for conducting reviews of qualitative studies. BMC Medicine. 2011.
3. Gale NK, Heath G, Cameron E, Rashid S, Redwood S. Using the framework method for the analysis of qualitative data in multi-disciplinary health

research. BMC Medical Research Methodology. 2013 September; 13(117).

4. Pope C, Ziebland S, Mays N. Analysing qualitative data. In Pope C, Mays N, editors. Qualitative Research in Health Care.: BMJ books; 2000.

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6. Developing and evaluating complex interventions - Medical Research...

<https://mrc.ukri.org/documents/pdf/complex-interventions-guidance/>

Evaluating complex interventions: new guidance. Prepared on behalf of the Medical Research Council by: Peter Craig, MRC Population Health Sciences Research Network. Paul Dieppe, Nuffield Department of Orthopaedic Surgery, University of Oxford. Sally Macintyre, MRC Social and Public Health Sciences Unit. Accessed 12/4/18

<u>Key Service Benefits and Measures</u> (to be reported back to the Committee 6 months after approval granted, unless otherwise stated in approval letter)				
Service Benefit (insert further rows if needed, must include patient care and financial benefits)				Measure
Knowledge and evidence of the impact of Advance Care Planning (ACP) is patchy but early indicators suggest there are benefits for patients their relatives and healthcare professionals.				Outcomes of qualitative interviews with healthcare professionals involved in ACP discussions and documentation with patients who have agreed to participate in other arms of our multi-method study evaluating the impact of ACP.
Further potential benefits include people being enabled to remain in their preferred place of care and to realize their preferred place of death, which is used as one of the key outcome indicators of a ‘Good Death’.				Assessing how many patients known to have participated in ACP discussions and documentation realised their preferred place of care and death. Information will be gathered about factors affecting this measure, for instance sudden deterioration and death occurring outside of the person has preferred place.
Increased positive feedback on end of life care delivery.				A collation of feedback from families and healthcare professionals, reduction in complaints associated with end of life care.
<u>Financial Management and Costing</u>				
Pay				
Job Title	Annual Salary	Period in	Project Role	£

	(inc. on-costs)	Months		
Research Officer	£19,000 (pro rata)	11	Qualitative researcher /interviewer	£19,000
Admin	£1,493	11		£1,493
Non-pay				
Quote or Estimate?	Description			
Travel and subsistence				£650
EAPC Conference				£1,400
Transcription				£1,450
Total Pay and Non-pay				£3,500
Ongoing Revenue Costs				
Ongoing revenue costs which will be charged to NHS budgets				N/A
Less: Savings generated by this application				N/A
Net ongoing revenue costs charged to NHS budgets				N/A
Risk Assessment				
Risk (insert further rows if needed)			Mitigation	
Fundamental risk to the study is failure to identify healthcare professionals involved in ACP discussions and documentation with specific patients.			Identification of key healthcare professionals involved in a specific patient’s ACP discussion and documentation will be done when a patient agrees to participate in the study. The BCUHB ACP document records the names of key healthcare personnel involved in drawing up the document. This can be accessed with the consent of the patient since it is a patient held record.	

Exit Strategy (Charitable Funds cannot fund ongoing commitments)

This is a stand-alone study forming a valuable third arm of a multi-method three-arm study evaluating the impact of ACP on healthcare professionals, patients and their families. The collated outcomes of the study will be fully documented and a manuscript submitted to peer-reviewed journals for publication. Further dissemination and presentation of the study outcomes will be sought at national and international conferences.

Dementia Strategy (State how the scheme meets the Health Board's dementia strategy)

Discussing and documenting a person's wishes for future care in the form of an ACP can be critically important, particularly if disease progression is likely to impact on capacity or capability to express ones preferences for oneself. If a person has an early diagnosis of dementia but retains intermittent or fluctuating capacity then completion of an ACP may still be possible. When capacity is eventually lost due to disease progression, a record of the wishes and preferences of that person for their future care remains and can inform the development of individualised care plans, or record of best interests decisions (RBID).

If capacity is deemed to be lost then future care planning may be undertaken which will involve record of best interests discussions and decisions following usual policy and procedure guidelines for RBID.

Advance care planning is very eminent throughout BCUHB dementia strategy; ACP for dementia patients is highly recommended and is nationally perceived to be a quality marker for dementia care.

Health Inequalities (State how the scheme addresses health inequalities)

There are no health inequalities in this study since you do not need to be ill, old, frail or have a specific diagnosis to participate in ACP discussions and documentation. The only criteria that apply to ACP is to be over 18 years of age and to have capacity to discuss and document wishes and preferences for future care.

Equalities Impact		
Will any racial equality groups (racial, gender, disability, sexuality, age, language, religion/belief be differently affected by this scheme?		NO
If YES, then please submit a copy of the Equality Impact Questionnaire with this form.		
If NO, then state below what information/evidence the decision is based on.		
<p>The same information sheet and invitation to participate in the study will be offered to healthcare professionals involved in ACP discussion and documentation within BCUHB.</p>		
Approvals		
	Name & Date Approved	Comments
Fund Advisor	Alison Foster 23 rd February 2019	Strongly support approval of this application that will enable important research in partnership with Bangor University to clearly understand patient and family views and experiences of Advance Care Planning that will inform future service development and provide new evidence for this important area, which is a national priority for end of life care both in the UK and in Wales. Consider this is an appropriate use of donations for this palliative care fund, in order to obtain evaluation and research outcomes that will improve future palliative care. Effective ACP has the potential to benefit all people who are towards the end of life across all care settings and care agencies, supporting them to achieve their wishes and preferences and preferred place of care.

Capital Approval (Estates/IM&T/Medical Devices)	N/A	
Chief Financial Officer		Approval Outstanding
Area/Hospital/Secondary Care/Mental Health/Executive Director		Approval Outstanding
Charitable Funds Advisory Group		

Charitable Funds Advisory Group 21 st March 2019 CFAG19/10	<div style="text-align: center;">  <div style="display: inline-block; vertical-align: middle;"> GIG CYMRU NHS WALES </div> <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> Bwrdd Iechyd Prifysgol Betsi Cadwaladr University Health Board </div> </div> <p style="text-align: center;">To improve health and provide excellent care</p>
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Report Title:	<i>Charitable Funds Balances as at 28th February 2019</i>														
Report Author:	<i>Paula Clayton, Assistant Charity Accountant</i>														
Responsible Director:	<i>Russell Favager, Executive Director of Finance</i>														
Public or In Committee	<i>Public</i>														
Strategic Goals:	<p><i>(Indicate how the subject matter of this paper supports the achievement of BCUHB's strategic goals –tick all that apply)</i></p> <table border="1" data-bbox="507 824 1485 1321"> <tr> <td>1. Improve health and wellbeing for all and reduce health inequalities</td><td>x</td></tr> <tr> <td>2. Work in partnership to design and deliver more care closer to home</td><td>x</td></tr> <tr> <td>3. Improve the safety and outcomes of care to match the NHS' best</td><td>x</td></tr> <tr> <td>4. Respect individuals and maintain dignity in care</td><td>x</td></tr> <tr> <td>5. Listen to and learn from the experiences of individuals</td><td>x</td></tr> <tr> <td>6. Use resources wisely, transforming services through innovation and research</td><td>x</td></tr> <tr> <td>7. Support, train and develop our staff to excel.</td><td>x</td></tr> </table>	1. Improve health and wellbeing for all and reduce health inequalities	x	2. Work in partnership to design and deliver more care closer to home	x	3. Improve the safety and outcomes of care to match the NHS' best	x	4. Respect individuals and maintain dignity in care	x	5. Listen to and learn from the experiences of individuals	x	6. Use resources wisely, transforming services through innovation and research	x	7. Support, train and develop our staff to excel.	x
1. Improve health and wellbeing for all and reduce health inequalities	x														
2. Work in partnership to design and deliver more care closer to home	x														
3. Improve the safety and outcomes of care to match the NHS' best	x														
4. Respect individuals and maintain dignity in care	x														
5. Listen to and learn from the experiences of individuals	x														
6. Use resources wisely, transforming services through innovation and research	x														
7. Support, train and develop our staff to excel.	x														
Approval / Scrutiny Route	<i>The Report is brought for the information of the Charitable Funds Advisory Group</i>														
Purpose	<i>Attached is a summary of the Charity Fund Balances as at 28th February 2019</i>														
Significant Issues and risks	<i>Provides the Advisory Group of the fund balances held under our Charity Registration.</i>														
Equality Impact Assessment	<i>Not applicable – the report does not impact directly on staff or patients</i>														
Recommendation/Action Required by the Charitable Funds Advisory Group	<i>The Advisory Group is asked note the report.</i>														

*Disclosure:**Betsi Cadwaladr University Health Board is the operational name of Betsi Cadwaladr University Local Health Board*

Ysbyty Glan Clwyd & Abergel

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
8B01	Respiratory Unit - Glan Clwyd Hospital	14,696.44	0.00	263.89	14,432.55	0.00	14,432.55
8B05	Stroke Ward	50,859.08	0.00	4,590.00	46,269.08	0.00	46,269.08
8B25	Accident & Emergency - Glan Clwyd	1,194.40	1,000.00	0.00	2,194.40	0.00	2,194.40
8B29	Gastroenterology - Central	4,271.47	0.00	0.00	4,271.47	0.00	4,271.47
8B32	Kidney Diseases Charitable Fund - Central	32,915.59	0.00	0.00	32,915.59	0.00	32,915.59
8B42	Cardiology Department Central - Patients Fund	246,254.10	493.33	(300.00)	247,047.43	62,503.60	184,543.83
8B43	Out of Hospital Cardiac Arrest Project (OOHCA)	500.00	106.00	0.00	606.00	0.00	606.00
8B47	AMU/RAU Nurses Fund	415.02	20.00	0.00	435.02	0.00	435.02
8B48	Ward 19 Dementia Fund - Glan Clwyd Hospital	0.00	0.00	0.00	0.00	0.00	0.00
8B50	Acute Medicine Unit - Patients Amenities	1,613.35	0.00	0.00	1,613.35	0.00	1,613.35
8B55	The Amethyst Centre (SARC)	3,104.25	0.00	0.00	3,104.25	0.00	3,104.25
8B61	Glan Clwyd Ward Funds - Patient Amenities	8,882.99	217.68	0.00	9,100.67	0.00	9,100.67
8B62	Glan Clwyd Hospital Ward Funds - Staff Amenities	7,746.74	0.00	0.00	7,746.74	0.00	7,746.74
8B63	Ward 19 COTE Equipment Fund	23.32	0.00	0.00	23.32	0.00	23.32
8B64	The Friends of the Activities Room	7,202.97	0.00	0.00	7,202.97	0.00	7,202.97
8B65	Outpatient Department - Glan Clwyd	57.40	0.00	0.00	57.40	0.00	57.40
8B66	Livsey Fund	499,520.00	0.00	6,457.20	493,062.80	493,921.00	(858.20)
8M01	Breast Unit - Glan Clwyd	13,872.36	10.00	197.40	13,684.96	0.00	13,684.96
8N02	Diagnostic and Treatment Facility - Urology Fund -	56,194.54	0.00	0.00	56,194.54	0.00	56,194.54
8N04	Ophthalmic Unit - H M Stanley	39,813.07	109.70	1,100.00	38,822.77	0.00	38,822.77
8N05	H M Stanley Low Vision Support Group	95.52	0.00	0.00	95.52	0.00	95.52
8N06	Maxillo Facial Unit - Glan Clwyd	14,403.99	0.00	498.75	13,905.24	0.00	13,905.24
8N08	Operating Theatre - Glan Clwyd	6,165.25	0.00	0.00	6,165.25	0.00	6,165.25
8N09	Orthodontic Department - Glan Clwyd	229.05	0.00	0.00	229.05	0.00	229.05
8N10	Ivor Lewis Memorial Fund - Glan Clwyd	3,217.02	0.00	0.00	3,217.02	0.00	3,217.02
8N13	Urology - Glan Clwyd	36,280.00	0.00	0.00	36,280.00	0.00	36,280.00
8N14	Laparoscopic Urology Fund - Glan Clwyd	6,998.99	0.00	0.00	6,998.99	0.00	6,998.99
8N16	DOSA Patient Fund	620.83	0.00	0.00	620.83	0.00	620.83
8N18	Ward 4 Patients - ENT/MF/Oral - Glan Clwyd	6,454.63	0.00	0.00	6,454.63	0.00	6,454.63
8N19	Ward 5 Vascular & Urology - General Surgery	59.50	0.00	0.00	59.50	0.00	59.50
8N21	Surgical Assessment Unit Patients - Glan Clwyd	504.14	0.00	64.00	440.14	0.00	440.14
8N22	Surgical Assessment Unit Staff - Glan Clwyd	6,666.59	0.00	0.00	6,666.59	0.00	6,666.59
8N27	Urology Day Unit Nurses Fund - Glan Clwyd	1,648.20	0.00	0.00	1,648.20	0.00	1,648.20
8N28	Stoma Care Fund - Central	1,987.73	0.00	0.00	1,987.73	0.00	1,987.73
8N29	Colorectal Surgical Development Fund - Central	26,495.92	0.00	0.00	26,495.92	0.00	26,495.92
8N30	Glaucoma Support Group - Central	254.65	0.00	0.00	254.65	0.00	254.65
8P02	Intensive Therapy Unit - Glan Clwyd	46,930.81	686.45	101.10	47,516.16	0.00	47,516.16
8P03	Paediatric Anaesthesia Educational & Training Fund	0.00	0.00	0.00	0.00	0.00	0.00
8P06	Pain Clinic - Glan Clwyd	2,760.54	0.00	0.00	2,760.54	0.00	2,760.54
8P09	Anaesthesia Ultrasound Course Fund	20,862.66	1,900.00	0.00	22,762.66	0.00	22,762.66
8T04	Senior Medical Social Workers - Glan Clwyd	41.21	0.00	0.00	41.21	0.00	41.21
8T12	Library - Glan Clwyd	2,971.81	0.00	0.00	2,971.81	0.00	2,971.81
8T13	Falls Steering Group - Central	179.19	0.00	0.00	179.19	0.00	179.19
8T23	NWCS Education Fund (Central)	6,429.94	0.00	0.00	6,429.94	0.00	6,429.94
Site Total		1,181,395.26	4,543.16	12,972.34	1,172,966.08	556,424.60	616,541.48

Ysbyty Gwynedd

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
8K09	General OPD - Patient Environment Fund - YG	1,046.36	0.00	0.00	1,046.36	0.00	1,046.36
8T35	Awyr Las Older People Fund - Glaslyn Ward	6,970.14	2,287.00	0.00	9,257.14	0.00	9,257.14
9B03	Surgical Admission Unit - YG	5,881.27	0.00	0.00	5,881.27	0.00	5,881.27
9B04	Aran Patient Amenities - YG	10,744.15	700.00	0.00	11,444.15	0.00	11,444.15
9B05	Enlli Ward - YG	0.00	0.00	0.00	0.00	0.00	0.00
9B44	CCU - YG	21,604.04	313.00	0.00	21,917.04	0.00	21,917.04
9B46	Hebog Ward	1,925.78	223.45	0.00	2,149.23	0.00	2,149.23
9B47	Moelwyn Ward - YG	41,129.83	800.00	28.60	41,901.23	0.00	41,901.23
9B53	Meningitis - YG	3,455.26	0.00	0.00	3,455.26	0.00	3,455.26
9B56	Respiratory - YG	6,262.79	0.00	0.00	6,262.79	0.00	6,262.79
9B57	Tryfan Patient Amenities - YG	5,762.60	246.79	0.00	6,009.39	0.00	6,009.39
9B58	Glyder Patient Amenities - YG	9,577.38	16.92	0.00	9,594.30	0.00	9,594.30
9B59	Gogarth Ward Patient Amenities - YG	8,991.97	450.00	0.00	9,441.97	0.00	9,441.97
9B61	Prysor Patient Amenities - YG	5,114.31	153.75	0.00	5,268.06	0.00	5,268.06
9B71	Renal Unit - YG	81,104.44	1,060.00	0.00	82,164.44	29,041.00	53,123.44
9B83	O V Jones Bursary - West	12,738.72	0.00	11,400.00	1,338.72	1,338.72	0.00
9B91	Bangor Ward Funds - Patients Amenities	5,987.55	0.00	0.00	5,987.55	2,333.40	3,654.15
9B92	Bangor Ward Funds - Staff Amenities	8,395.16	0.00	0.00	8,395.16	0.00	8,395.16
9B94	Emergency Department - YG	23,666.39	0.00	0.00	23,666.39	180.00	23,486.39

9B95	Ogwen Ward	2,468.28	3,747.00	1,447.20	4,768.08	0.00	4,768.08
9B96	Dementia Lounge Activities Fund - YG	5,261.13	400.00	0.00	5,661.13	0.00	5,661.13
9B97	Ambulatory Care Unit - YG	477.83	0.00	0.00	477.83	0.00	477.83
9B98	Computerised Reaction & Mobility Monitoring-CRAMM	634.01	0.00	0.00	634.01	0.00	634.01
9K08	Cardiology Department - West	85,913.78	0.00	0.00	85,913.78	0.00	85,913.78
9N01	ITU/HDU Staff - YG	12,151.17	0.00	0.00	12,151.17	7,000.00	5,151.17
9N02	Endoscopy Unit - YG	2,706.60	0.00	0.00	2,706.60	2,706.60	0.00
9N05	Robin Owen Memorial - YG	553.96	0.00	0.00	553.96	0.00	553.96
9N15	Vascular (West) General Purpose Fund	21,766.45	550.00	0.00	22,316.45	0.00	22,316.45
9N16	Urology (West) GP Fund	30,068.63	0.00	22,500.00	7,568.63	0.00	7,568.63
9N17	Trauma & Orthopaedic (West) CPG GP Fund	23,163.52	0.00	0.00	23,163.52	0.00	23,163.52
9N18	ENT (West) General Purpose Fund	8,212.07	0.00	0.00	8,212.07	0.00	8,212.07
9N19	Maesdu (West) General Purpose Fund	8,703.76	0.00	0.00	8,703.76	0.00	8,703.76
9N20	GS/Colorectal (West) General Purpose Fund	36,879.90	133.45	31,500.00	5,513.35	0.00	5,513.35
9N21	Ophthalmology (West) General Purpose Fund	5,030.62	0.00	4.09	5,026.53	0.00	5,026.53
9N22	Conwy Ward - Dementia Fund	475.68	0.00	0.00	475.68	0.00	475.68
9P02	Anaesthetics Dept - YG	7,708.81	0.00	30.00	7,678.81	0.00	7,678.81
9P03	ITU/HDU Equipment - YG	12,059.88	1,107.80	0.00	13,167.68	0.00	13,167.68
9T03	Dr E C Benn Prize - West	1,900.97	0.00	0.00	1,900.97	0.00	1,900.97
9T13	Samaritans - YG	157.69	0.00	0.00	157.69	0.00	157.69
Site Total		526,652.88	12,189.16	66,909.89	471,932.15	42,599.72	429,332.43

Ysbyty Wrexham Maelor

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7B30	Erddig Ward	831.50	100.00	0.00	931.50	0.00	931.50
7B31	Acute Cardiac Unit - YMW	1,216.40	0.00	0.00	1,216.40	0.00	1,216.40
7B32	Bersham Ward - YMW	15,362.15	0.00	1,670.00	13,692.15	0.00	13,692.15
7B33	Morris Ward	4,175.20	0.00	0.00	4,175.20	0.00	4,175.20
7B34	A & E Nurse Fund - YMW	4,956.47	0.00	0.00	4,956.47	0.00	4,956.47
7B35	Emergency Department - YMW	5,956.02	0.00	3,015.60	2,940.42	0.00	2,940.42
7B40	Gastroenterology Fund - YMW	10,563.69	0.00	0.00	10,563.69	0.00	10,563.69
7B41	Chest Diseases Fund - YMW	34,822.35	546.00	13.20	35,355.15	0.00	35,355.15
7B43	Renal Dept Trainee Grants - YMW	10,810.89	0.00	0.00	10,810.89	0.00	10,810.89
7B46	Renal Patients/Staff Comfort Fund - YMW	37,554.15	823.20	686.26	37,691.09	0.00	37,691.09
7B47	Maelor Renal & Diabetes Fund - East	48,094.21	0.00	0.00	48,094.21	48,000.00	94.21
7B49	Cardiac Care - YMW	23,707.15	0.00	0.00	23,707.15	0.00	23,707.15
7B50	Cardiac Nurses Fund - East	10,783.86	160.64	126.48	10,818.02	0.00	10,818.02
7B56	Evington Ward - YMW	2,367.00	0.00	0.00	2,367.00	0.00	2,367.00
7B57	Cunliffe Ward	1,947.08	0.00	0.00	1,947.08	0.00	1,947.08
7B58	Mason Ward - YMW	3,134.51	0.00	0.00	3,134.51	0.00	3,134.51
7B66	Nutritional Support Fund - YMW	52.41	0.00	0.00	52.41	0.00	52.41
7B67	Cardiology Fund - East	242,089.63	100.00	0.00	242,189.63	0.00	242,189.63
7B68	Tissue Viability Fund - YMW	4,594.56	0.00	0.00	4,594.56	0.00	4,594.56
7B72	Welshpool Dialysis Fund	5,168.19	0.00	120.00	5,048.19	0.00	5,048.19
7B73	Adolescence Diabetes Care & Support Fund	11,466.34	0.00	0.00	11,466.34	0.00	11,466.34
7B80	Wrexham Ward Funds - General Purposes	8,528.42	0.00	0.00	8,528.42	0.00	8,528.42
7B81	Evington & Morris Ward Dementia Activity Fund	2,695.44	15.00	0.00	2,710.44	0.00	2,710.44
7B82	Outpatient Department - Wrexham Maelor Hospital	872.94	0.00	0.00	872.94	0.00	872.94
7N01	Pantomime Ward - YMW	376.05	250.00	0.00	626.05	0.00	626.05
7N04	Orthopaedic Resource & Education - YMW	14,035.81	0.00	(2,026.01)	16,061.82	0.00	16,061.82
7N06	Orthopaedic Department - YMW	6,233.75	0.00	2,026.01	4,207.74	0.00	4,207.74
7N07	Glyndwr Ward - YMW	66.73	0.00	0.00	66.73	0.00	66.73
7N09	SAU - Bright Ward - YMW	0.00	0.00	0.00	0.00	0.00	0.00
7N11	Medical Day Unit - YMW	37.56	0.00	0.00	37.56	0.00	37.56
7N14	Surgical Department Charitable Fund - YMW	37,066.29	0.00	0.00	37,066.29	0.00	37,066.29
7N17	Urology Fund - YMW	6,451.00	0.00	0.00	6,451.00	5,000.00	1,451.00
7N18	Maxillofacial Department - YMW	7,063.11	0.00	0.00	7,063.11	0.00	7,063.11
7N24	Ear Nose & Throat unit - YMW	2,674.57	0.00	0.00	2,674.57	0.00	2,674.57
7N25	Ent Equipment - YMW	135.00	340.00	0.00	475.00	0.00	475.00
7N27	Eye Unit - YMW	57,171.90	0.00	0.00	57,171.90	0.00	57,171.90
7N28	Eye Unit - Childrens Amenities - YMW	6,628.70	0.00	0.00	6,628.70	0.00	6,628.70
7N29	Eye Unit Laser - YMW	34,152.41	0.00	0.00	34,152.41	0.00	34,152.41
7N31	Colorectal Fund - YMW	6,967.38	0.00	0.00	6,967.38	0.00	6,967.38
7N34	Nth Wales Clinical Reserach Centre(NWCRC)	3,036.26	0.00	0.00	3,036.26	0.00	3,036.26
7P01	Gutsy Fund - YMW	3,051.65	0.00	0.00	3,051.65	0.00	3,051.65
7P03	Education/Develop Resus Wales - East	690.06	0.00	0.00	690.06	0.00	690.06
7P04	Critical Care Garden Fund	8,515.77	0.00	0.00	8,515.77	0.00	8,515.77
7P05	ITU / Yale Ward - YMW	12,514.11	4,460.00	1,556.91	15,417.20	0.00	15,417.20
7P06	Anaesthetics Fund - East	3,232.68	0.00	0.00	3,232.68	0.00	3,232.68
7P10	Edmondson Educational Fund	2,485.85	0.00	0.00	2,485.85	0.00	2,485.85
7R01	Richard Davies Memorial Library - YMW	192.60	0.00	0.00	192.60	0.00	192.60
7R02	Samaritan Fund - YMW	0.00	0.00	0.00	0.00	0.00	0.00
7R04	Patients Amenities Fund - YMW - Closed	0.00	0.00	0.00	0.00	0.00	0.00
7R06	Lister Ward General Purposes	4,030.37	191.15	0.00	4,221.52	0.00	4,221.52
7T07	BCG Income Fund - East	13,277.66	0.00	0.00	13,277.66	0.00	13,277.66
7T08	Acute & Critical Care Medicine - YMW	7,861.83	0.00	37.80	7,824.03	0.00	7,824.03
7T09	North Wales Health Research Fund	3,081.82	0.00	0.00	3,081.82	0.00	3,081.82

7T10	Wrexham Medical Institute	273,409.17	0.00	0.00	273,409.17	0.00	273,409.17
7T11	GP Vocational Training Fund - East	8,545.84	0.00	240.00	8,305.84	0.00	8,305.84
7T13	Wrexham Maelor Canteen	65.00	0.00	0.00	65.00	0.00	65.00

Site Total		1,014,801.49	6,985.99	7,466.25	1,014,321.23	53,000.00	961,321.23
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Area East

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7B01	Mold Locality - Mold Hospital GP	11,401.69	20.00	160.00	11,261.69	0.00	11,261.69
7B07	Deeside Locality General Purposes Fund	30,992.72	2,930.00	(1,016.90)	34,939.62	0.00	34,939.62
7B08	Deeside Community Hospital - ENT Fund	0.00	0.00	0.00	0.00	0.00	0.00
7B09	South Wrexham Locality - Chirk General Purposes	54,170.90	370.00	0.00	54,540.90	5,995.00	48,545.90
7B12	Community Fund - East	9,644.42	1,291.20	3,950.84	6,984.78	0.00	6,984.78
7B13	IV Suite - East Area	1,893.54	0.00	0.00	1,893.54	0.00	1,893.54
7B14	Practice Development Fund - YMW	1,124.84	0.00	0.00	1,124.84	0.00	1,124.84
7B15	Breast Feeding Grant Coedpoeth	0.00	0.00	0.00	0.00	0.00	0.00
7B16	South Wrexham Locality - Penley General Purpose	2,795.34	100.00	0.00	2,895.34	0.00	2,895.34
7B18	Wrexham Rehab General Purposes Fund - East	7,363.70	0.00	0.00	7,363.70	0.00	7,363.70
7B24	Community Doctors - East	3,389.76	0.00	0.00	3,389.76	0.00	3,389.76
7B28	Medicine for the Elderly Education and Resource Fu	16,481.19	0.00	540.00	15,941.19	0.00	15,941.19
7B37	Dermatology Department - YMW	2,264.40	0.00	0.00	2,264.40	0.00	2,264.40
7B42	Diabetic Unit - East	37,019.83	0.00	0.00	37,019.83	0.00	37,019.83
7B52	BCUHB Dermatology Patient Panel Fund	0.00	0.00	0.00	0.00	0.00	0.00
7B55	Rheumatology Department - YMW	7,184.53	0.00	0.00	7,184.53	0.00	7,184.53
7B70	Diabetes Resources Fund - YMW - Closed	0.00	0.00	0.00	0.00	0.00	0.00
7B71	Clinical Dermatology Fund - East	1,907.51	0.00	0.00	1,907.51	0.00	1,907.51
7B83	Beechley Medical Centre	3,685.74	0.00	0.00	3,685.74	0.00	3,685.74
7B84	Community Care Hub	0.00	0.00	0.00	0.00	0.00	0.00
7B85	Hillcrest Medical Centre	92.00	0.00	0.00	92.00	0.00	92.00
7B86	Forge Road Surgery	0.00	0.00	0.00	0.00	0.00	0.00
7B87	Borras Park Surgery	0.00	0.00	0.00	0.00	0.00	0.00
7E01	Pharmacy Department - YMW	36,846.28	0.00	38.00	36,808.28	0.00	36,808.28
7F01	Child & Family Service - YMW	13.37	0.00	0.00	13.37	0.00	13.37
7F02	Diana Nursing Fund - YMW	5,754.65	15.00	0.00	5,769.65	0.00	5,769.65
7F03	Childrens Ward - YMW	20,879.00	0.00	3,357.61	17,521.39	0.00	17,521.39
7F04	Childrens Ward Play Room Fund	3,944.25	(137.16)	91.58	3,715.51	0.00	3,715.51
7F05	Pre-School Development Team	1,216.51	0.00	0.00	1,216.51	0.00	1,216.51
7F07	Childrens OPD Fund - East Area	0.00	0.00	0.00	0.00	0.00	0.00
7F08	Paediatric Department Diabetic - YMW	4,190.45	0.00	0.00	4,190.45	0.00	4,190.45
7F09	Children's Ward Charity Ball Fund	1,000.00	419.00	0.00	1,419.00	0.00	1,419.00
7F10	Acute Children's Comm Service - YMW	11,459.60	272.50	111.00	11,621.10	0.00	11,621.10
7F11	Premature Baby Unit - YMW	26,238.62	50.00	52.34	26,236.28	0.00	26,236.28
7F14	Community Health Visiting & School Nursing	158.14	0.00	0.00	158.14	0.00	158.14
7K03	Therapy Services - East	1,716.65	0.00	392.00	1,324.65	0.00	1,324.65
7K04	Posture and Mobility Services - East	453.90	0.00	0.00	453.90	0.00	453.90
7K05	TCS General Fund - East	1,172.72	0.00	0.00	1,172.72	0.00	1,172.72
7Q03	Palliative Care Fund - YMW	107,118.22	0.00	1,471.99	105,646.23	0.00	105,646.23
7T03	Preswylfa Staff Amenities Fund	228.93	0.00	0.00	228.93	0.00	228.93
8Q05	Specialist Palliative Care Team	29,590.66	40.00	2,540.00	27,090.66	0.00	27,090.66
9Q08	Palliative Care - West	22,725.02	0.00	(8.40)	22,733.42	0.00	22,733.42
Area East Total		466,119.08	5,370.54	11,680.06	459,809.56	5,995.00	453,814.56

Area West

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
9B01	Madog Community & Hospital Fund - Land	135,000.00	0.00	0.00	135,000.00	0.00	135,000.00
9B10	Madog Community and Hospital Fund	63,145.96	0.00	0.00	63,145.96	23,903.20	39,242.76
9B16	Arfon Locality - West	3,878.19	0.00	0.00	3,878.19	0.00	3,878.19
9B17	Dwyfor Locality - Dwyfor Community	4,746.29	1,094.25	48.14	5,792.40	0.00	5,792.40
9B18	Mon District Nurses	1,510.00	0.00	0.00	1,510.00	0.00	1,510.00
9B19	Arfon District Nurses	80.00	0.00	0.00	80.00	0.00	80.00
9B21	Dwyfor Locality - Bryn Beryl GP	4,642.93	0.00	0.00	4,642.93	500.00	4,142.93
9B24	Ysbyty Alltwn - Dementia Fund	654.30	1,904.00	0.00	2,558.30	0.00	2,558.30
9B25	Dwyfor Locality - Alltwn GP	5,548.38	0.00	0.00	5,548.38	0.00	5,548.38
9B31	Canolfan Goffa Ffestiniog - Y Feddygfa	11.12	100.00	0.00	111.12	0.00	111.12
9B33	Meirionydd Locality - Meirionydd Community	225.00	0.00	0.00	225.00	0.00	225.00
9B34	Tywyn General Purposes Fund	90,298.36	0.00	0.00	90,298.36	0.00	90,298.36
9B38	Mon Locality - Penrhos Stanley GP	8,647.57	25.00	835.00	7,837.57	0.00	7,837.57
9B39	Dementia Fund - Ysbyty Penrhos Stanley	0.00	0.00	0.00	0.00	0.00	0.00
9B41	Llanfairpwll Health Centre - West	1,272.10	0.00	0.00	1,272.10	0.00	1,272.10
9B42	Meirionydd Locality - Nursing Ser B'mouth	16,511.55	1,350.31	0.00	17,861.86	0.00	17,861.86
9B45	Care of the Elderly - YG	3,132.45	0.00	0.00	3,132.45	0.00	3,132.45

9B50	Diabetic Department - West	16,163.36	0.00	4,035.20	12,128.16	0.00	12,128.16
9B52	Rheumatology - YG	0.00	0.00	0.00	0.00	0.00	0.00
9B55	Dermatology Department - West	554.08	0.00	0.00	554.08	0.00	554.08
9B99	Heart Failure Nurse Specialist Fund	3,719.82	50.00	0.00	3,769.82	0.00	3,769.82
9D04	Gwynedd Child Guidance - West	3,822.03	0.00	0.00	3,822.03	0.00	3,822.03
9D20	Early Counselling Project - West - Closed	0.00	0.00	0.00	0.00	0.00	0.00
9E01	Pharmacy - YG	751.91	0.00	0.00	751.91	0.00	751.91
9E02	Clinical Pharmacy Diploma	5,000.00	0.00	727.18	4,272.82	0.00	4,272.82
9F01	YG Paeds Inpatient & OPD Fund	2,952.14	(657.18)	2,483.80	(188.84)	0.00	(188.84)
9F05	Neurodevelopmental Service - West Area	834.00	0.00	0.00	834.00	0.00	834.00
9F06	Community & Spec Childrens Service	674.10	0.00	0.00	674.10	0.00	674.10
9F07	Health Visiting & School Nursing - Mon & Gwynedd	122.00	0.00	0.00	122.00	0.00	122.00
9F08	Paed Research & Development - YG	10,595.15	0.00	2,859.20	7,735.95	0.00	7,735.95
9F09	Mon Holyhead Teenage Project - West	4,148.18	0.00	0.00	4,148.18	0.00	4,148.18
9F12	Cystic Fibrosis Fund - YG	9,124.41	0.00	0.00	9,124.41	0.00	9,124.41
9F15	Gafael Llaw Oncology Childrens Social Fund	15,328.52	(10,000.00)	0.00	5,328.52	0.00	5,328.52
9F16	Gafael Llaw Children's Ward YG Fund	0.00	2,395.00	2,427.00	(32.00)	0.00	(32.00)
9F17	YG Childrens Special Projects Fund	6,633.38	0.00	193.51	6,439.87	0.00	6,439.87
9F18	Derwen Integrated Team for Disabled Children	5,513.03	0.00	0.00	5,513.03	0.00	5,513.03
9F19	Dewi Ward Development - Gafael Llaw	107,414.50	10,000.00	0.00	117,414.50	151,620.50	(34,206.00)
9F20	Ty Enfys Fund	47,953.10	1,604.10	72.94	49,484.26	0.00	49,484.26
9K02	MS Support Fund	0.00	18.75	0.00	18.75	0.00	18.75
9K03	Therapy Services - West	3,371.60	0.00	0.00	3,371.60	0.00	3,371.60
9K05	TCS General Fund - West	1,493.01	0.00	0.00	1,493.01	0.00	1,493.01
9M15	CWTSB - SCBU Staff Fundraising Fund	6,228.72	1,820.00	0.00	8,048.72	0.00	8,048.72
9M16	SCBU - YG	9,336.04	2,477.43	(655.00)	12,468.47	0.00	12,468.47
Area West Total		601,037.28	12,181.66	13,026.97	600,191.97	176,023.70	424,168.27

Area Central

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7B03	Holywell Hospital General Purposes	9,662.18	0.00	3,313.86	6,348.32	0.00	6,348.32
7F13	Wakestock Welfare Fund	8,187.32	0.00	0.00	8,187.32	0.00	8,187.32
8B02	Rheumatology Unit - Glan Clwyd Hospital	10,067.10	0.00	0.00	10,067.10	0.00	10,067.10
8B07	Conwy West Locality GP Fund	5,725.54	0.00	2,611.20	3,114.34	0.00	3,114.34
8B12	Community Fund - Central	11,060.92	250.00	0.00	11,310.92	0.00	11,310.92
8B13	RAH & North Denbighshire Locality Fund	1,180.15	0.00	0.00	1,180.15	0.00	1,180.15
8B15	Denbigh South Locality - DI General Purposes Fund	57,243.08	0.00	1,316.40	55,926.68	266.00	55,660.68
8B16	Denbigh South Locality - Ruthin General Purposes	4,704.36	95.00	0.00	4,799.36	0.00	4,799.36
8B17	Denbigh Infirmary Staff Fund	2,224.54	0.00	0.00	2,224.54	0.00	2,224.54
8B18	Ruthin Community Hospital Staff Fund	5,049.44	235.00	0.00	5,284.44	0.00	5,284.44
8B19	Denbigh Infirmary Cancer Care Fund	60,820.01	0.00	0.00	60,820.01	0.00	60,820.01
8B20	Ruthin Hospital Cancer Care Fund	667.81	0.00	0.00	667.81	0.00	667.81
8B21	Conwy East Locality GP Fund	40,603.21	102.50	90.47	40,615.24	476.00	40,139.24
8B22	Colwyn Bay Hospital - Dementia Fund	1,878.47	0.00	0.00	1,878.47	0.00	1,878.47
8B27	Diabetes & Endocrinology - Central	101,093.72	1,546.51	3,030.94	99,609.29	254.47	99,354.82
8B28	Diabetes Nurse Education	3,020.00	0.00	0.00	3,020.00	0.00	3,020.00
8B30	Dermatology Department - Central	6,936.32	0.00	0.00	6,936.32	0.00	6,936.32
8B31	Sexual Health Fund - Central	12,553.02	0.00	0.00	12,553.02	0.00	12,553.02
8E01	Pharmacy Department - Glan Clwyd	2,645.01	0.00	0.00	2,645.01	0.00	2,645.01
8F01	Diana Nurses Fund - Central	275.00	0.00	0.00	275.00	0.00	275.00
8F02	North Wales Adolescent Service - Central	1,781.28	0.00	100.00	1,681.28	0.00	1,681.28
8F04	Paediatric Academic/Asthma Fund	4,115.16	360.00	75.00	4,400.16	0.00	4,400.16
8F05	Special Care Baby Unit - Glan Clwyd	12,878.35	2,933.20	1,023.75	14,787.80	0.00	14,787.80
8F06	SCBU Support Group "Cuddles" - Glan Clwyd	41,251.21	46.67	0.00	41,297.88	0.00	41,297.88
8F08	Children with Leukaemia Fund (CLIC) - Central	8,413.46	500.86	0.00	8,914.32	0.00	8,914.32
8F09	Paediatric Department - Glan Clwyd	80,513.33	1,870.00	530.60	81,852.73	0.00	81,852.73
8F11	Paddington Ward in Memory of Elaine Aur Jones	0.00	0.00	0.00	0.00	0.00	0.00
8F12	Conwy Child Development Centre - Central	8,379.24	0.00	0.00	8,379.24	0.00	8,379.24
8F14	Childrens OPD Fund	114.56	0.00	0.00	114.56	0.00	114.56
8F15	Conwy CAMHS Charitable Fund - Central	293.20	0.00	0.00	293.20	0.00	293.20
8F17	Denbighshire Child Development Centre	63,419.50	0.00	405.87	63,013.63	2,568.16	60,445.47
8F18	The Big Back Garden Project - Paeds, YGC	6,188.67	0.00	0.00	6,188.67	0.00	6,188.67
8K03	Therapy Services - Central	4,555.93	0.00	0.00	4,555.93	0.00	4,555.93
8K05	TCS General Fund - Central	980.48	0.00	0.00	980.48	0.00	980.48
8K10	Physiotherapy Dept - CBCH	49,997.20	0.00	0.00	49,997.20	0.00	49,997.20
8N61	Community Dental Services Fund	0.00	50.00	0.00	50.00	0.00	50.00
8T24	Parents & Friends of Rhuddlan Childrens Centre	18,196.47	0.00	0.00	18,196.47	0.00	18,196.47
9B43	The Assessment & Therapy Unit, LLGH - Closed	0.00	0.00	0.00	0.00	0.00	0.00
9B48	Llandudno CCU - Closed	0.00	0.00	0.00	0.00	0.00	0.00
9B62	Llandudno Geriatrics	5,270.08	0.00	0.00	5,270.08	0.00	5,270.08
9B64	Llandudno Outpatients Fund	0.00	0.00	0.00	0.00	0.00	0.00
9B65	Llandudno Parkinsons Patient Amenities	13,573.31	0.00	0.00	13,573.31	0.00	13,573.31
9B66	Peter Maddison Rheumatology Centre, LLGH	13,234.04	0.00	0.00	13,234.04	0.00	13,234.04
9B67	Llandudno Aberconway Day Patient Amenities	12,444.75	0.00	0.00	12,444.75	0.00	12,444.75
9B68	LLGH Dementia Activities Fund	7,328.79	0.00	2,943.00	4,385.79	0.00	4,385.79
9B93	Llandudno Hospital Ward Funds - Patient Amenities	1,005.11	332.70	0.00	1,337.81	0.00	1,337.81
9T12	Llandudno Patients	102.14	0.00	0.00	102.14	0.00	102.14

9T15	Llandudno Samaritans	2,875.29	0.00	0.00	2,875.29	0.00	2,875.29
9T20	Llandudno Staff Amenities	13,670.00	0.00	0.00	13,670.00	0.00	13,670.00
9T26	Friends of Llandudno Hospital	78,607.30	0.00	0.00	78,607.30	0.00	78,607.30

Area Central Total

794,786.05	8,322.44	15,441.09	787,667.40	3,564.63	784,102.77
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Mental Health**Summary Statement - February 2019**

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7D02	Helyg Day Hospital	111.18	0.00	0.00	111.18	0.00	111.18
7D03	Enhanced Community Residential Service (ECRS)	0.00	271.71	0.00	271.71	0.00	271.71
7D06	BSL For Betsi (British Sign Language)	0.00	98.55	0.00	98.55	0.00	98.55
7D16	Mental Health Fund - East Area	5,000.00	0.00	519.36	4,480.64	0.00	4,480.64
8D01	Bodnant Memory Service	707.04	0.00	0.00	707.04	0.00	707.04
8D03	North Wales Brain Injury Service	0.00	0.00	0.00	0.00	0.00	0.00
8D04	Ablett Unit - Patients and General Fund	2,845.24	125.00	0.00	2,970.24	0.00	2,970.24
8D05	Cynnydd Ward - Ablett Unit	566.59	0.00	0.00	566.59	0.00	566.59
8D06	Nant-y-Glyn MHRC Patient Amenities	36,253.87	0.00	0.00	36,253.87	0.00	36,253.87
8D08	"U Can Cope" Charitable Fund	68.28	0.00	0.00	68.28	0.00	68.28
8D09	MH & LD CPG Patient Amenities Fund	76.53	490.00	0.00	566.53	0.00	566.53
8D10	MH & LD CPG Staff Amenities Fund	2,770.46	0.00	0.00	2,770.46	0.00	2,770.46
8D11	Prescribed Medication Service Fund	10,441.57	0.00	90.00	10,351.57	0.00	10,351.57
8D12	Motiv8 North West Wales	1,811.32	0.00	0.00	1,811.32	0.00	1,811.32
8D13	Hafan And Ala Road Day Services	1,160.13	0.00	0.00	1,160.13	0.00	1,160.13
8D14	Coed Celyn Rehabilitation Unit	282.93	0.00	0.00	282.93	0.00	282.93
8D15	Tegid Ward - Ablett Unit	1,383.45	0.00	275.53	1,107.92	0.00	1,107.92
8D16	Mental Health Fund - Central Area	4,533.20	0.00	508.35	4,024.85	0.00	4,024.85
9D08	Sue Owen Fund - Hergest Unit	11,624.88	0.00	0.00	11,624.88	0.00	11,624.88
9D09	Uned Meirion Fund - Dolgellau Hospital	4,082.26	0.00	0.00	4,082.26	0.00	4,082.26
9D10	Mental Health West Fund	8,652.03	0.00	478.80	8,173.23	0.00	8,173.23
9D11	Cemlyn Ward - Cefni Hospital	41.94	0.00	0.00	41.94	0.00	41.94
9D15	Carreg Fawr - BYN	167.21	0.00	0.00	167.21	0.00	167.21
9D16	Mental Health Fund - West Area	1,022.75	0.00	264.36	758.39	0.00	758.39
9D17	Learning Disability Inpatients - BYN	2,189.62	0.00	539.99	1,649.63	0.00	1,649.63
9D24	The Kale Thomas Memorial Fund	0.00	0.00	0.00	0.00	0.00	0.00
9D25	Ty Llywelyn Academic	16.38	0.00	0.00	16.38	0.00	16.38
9D31	Gwynedd Community Learning Disability Team	3,522.89	0.00	0.00	3,522.89	0.00	3,522.89
9D35	Ty Llywelyn Activities Fund	86.25	1.20	0.00	87.45	0.00	87.45
9D36	Coleg Gwella	148.00	0.00	0.00	148.00	0.00	148.00
9Q06	Folated Research - West	1.26	0.00	0.00	1.26	0.00	1.26
Mental Health Total		99,567.26	986.46	2,676.39	97,877.33	0.00	97,877.33

Women's and Maternal Care**Summary Statement - February 2019**

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7B26	Wrexham Community Midwives	138.00	0.00	0.00	138.00	0.00	138.00
7F12	Perinatal Bereavement Trust Fund - YMW	2,063.09	0.00	0.00	2,063.09	0.00	2,063.09
7M01	Rhian Lloyd Davies Memorial Fund - East	270.58	0.00	0.00	270.58	0.00	270.58
7M04	Maternity Unit Fund - YMW	2,973.98	10.00	828.00	2,155.98	0.00	2,155.98
7M06	Lawson Taid & Simpson Ward	153.90	0.00	0.00	153.90	0.00	153.90
7M08	Obs & Gynae Education Fund - YMW	22,746.44	250.00	9,242.40	13,754.04	0.00	13,754.04
7M11	Gynaecology Fund - East	3,625.22	0.00	0.00	3,625.22	0.00	3,625.22
8M06	Womens & Childrens Bereavement Fund - Central	3,262.32	0.00	0.00	3,262.32	0.00	3,262.32
8M08	Womens & Maternal Care CPG Fund - Central	1,348.10	501.24	0.00	1,849.34	0.00	1,849.34
8M09	Denbighshire Community Midwives	0.00	0.00	0.00	0.00	0.00	0.00
9M02	Maternity - YG	6,408.83	0.00	0.00	6,408.83	0.00	6,408.83
9M03	Obs & Gynae - YG	10,693.27	0.00	0.00	10,693.27	0.00	10,693.27
9M05	Community Midwives - West	1,112.81	0.00	0.00	1,112.81	0.00	1,112.81
9M07	Bladder Scanner Fund - YG	1,119.90	0.00	0.00	1,119.90	0.00	1,119.90
9M08	G U Medicine - YG	15,155.09	250.00	0.00	15,405.09	0.00	15,405.09
9M09	Breastfeeding Clinic Service	5,691.94	0.00	0.00	5,691.94	0.00	5,691.94
9M17	Gynaecology Services - Equipment Fund	15,038.77	0.00	245.00	14,793.77	0.00	14,793.77
9M19	Cronfa Mamolaeth Cariad a Chysur - Love & Comfort	1,653.58	0.00	0.00	1,653.58	0.00	1,653.58
9Q15	Gynae Services - West	104,422.36	0.00	0.00	104,422.36	0.00	104,422.36
Women's and Maternal Care Total		197,878.18	1,011.24	10,315.40	188,574.02	0.00	188,574.02

BCU Wide**Summary Statement - February 2019**

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal

		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
8B60	PCSM CPG General Purpose Fund - Closed	0.00	0.00	0.00	0.00	0.00	0.00
8N60	Surgery & Dental CPG General Purposes Fund	2,907.88	550.00	0.00	3,457.88	0.00	3,457.88
8P01	Anaesthetics Training and Education Fund	7,164.49	0.00	0.00	7,164.49	0.00	7,164.49
8T10	Spiritual Care Fund - BCU	3,820.24	0.00	0.00	3,820.24	0.00	3,820.24
BCU Wide Total		13,892.61	550.00	0.00	14,442.61	0.00	14,442.61

Miscellaneous Other

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7T02	General - East	106,725.67	14.85	0.00	106,740.52	0.00	106,740.52
8T05	General Fund - Glan Clwyd	322,643.79	30.00	0.00	322,673.79	0.00	322,673.79
8T08	Ethiopia Link Charitable Fund - Central	45,595.46	575.94	100.00	46,071.40	179.48	45,891.92
8T09	The North Wales Cancer Centre Appeal Fund	259,372.89	7,270.14	301.16	266,341.87	3,150.00	263,191.87
8T11	Friends of Renal Care Glan Clwyd Hospital - Centra	88,878.53	1,784.00	6,876.47	83,786.06	0.00	83,786.06
8T15	Nth Wales Cancer Centre App Invesment Portfolio	0.00	0.00	0.00	0.00	0.00	0.00
8T25	BCUHB Robins Fund	32,044.73	0.00	0.00	32,044.73	0.00	32,044.73
8T26	Yirga Alem Hospital Link	11,286.67	0.00	0.00	11,286.67	0.00	11,286.67
8T27	Creative Well Fund	30,532.81	0.00	131.40	30,401.41	0.00	30,401.41
8T28	Awyr Las General Fund	(1,626,478.06)	913.63	19,315.88	(1,644,880.31)	177,837.99	(1,822,718.30)
8T29	Nurse Training General Fund	4,549.60	0.00	0.00	4,549.60	0.00	4,549.60
8T30	BCU Legacies Fund	3,898.71	0.00	0.00	3,898.71	0.00	3,898.71
8T31	Dementia Care Fund	1,208.04	90.00	251.30	1,046.74	0.00	1,046.74
8T32	Iaith Gymraeg/Welsh Language Fund	564.75	0.00	0.00	564.75	0.00	564.75
8T33	Public Health	0.00	0.00	0.00	0.00	0.00	0.00
8T34	Awyr Las Children & Young People Fund	487.15	0.00	0.00	487.15	0.00	487.15
8T36	"By Your Side Appeal" Fund	104,073.39	0.00	0.00	104,073.39	2,500.00	101,573.39
8T37	Awyr Las R & D Fund	546.56	0.00	0.00	546.56	0.00	546.56
8T38	Awyr Las Hearts & Minds Fund	10,147.65	0.00	2,119.51	8,028.14	8,000.32	27.82
8T39	Awyr Las Arts, Health & Wellbeing Fund	174.53	0.00	0.00	174.53	0.00	174.53
8T41	Awyr Las 5K Run & Fun Run	0.00	0.00	0.00	0.00	0.00	0.00
8T42	Elen Meirion Fund	18,700.28	159.50	0.00	18,859.78	0.00	18,859.78
8T43	C-Difficile Research Study Fund - Closed	0.00	0.00	0.00	0.00	0.00	0.00
8T44	"By Your Side Appeal" Marketing Fund	0.00	0.00	0.00	0.00	0.00	0.00
8T45	Infection Prevention Charitable Fund	2,419.44	0.00	0.00	2,419.44	0.00	2,419.44
8T46	Awyr Las "Pennies From Heaven" Fund	2,980.33	271.14	0.00	3,251.47	0.00	3,251.47
8T47	Walking For Dementia	5,494.74	55.10	2,688.00	2,861.84	0.00	2,861.84
8T48	Staff Development Fund	319,082.72	0.00	7,995.78	311,086.94	156,192.69	154,894.25
8T49	Project SEARCH	1,287.90	0.00	85.00	1,202.90	0.00	1,202.90
8T50	I CAN Fund	4,708.75	420.00	(292.20)	5,420.95	0.00	5,420.95
8T70	#Give70	1,077.02	30.04	0.00	1,107.06	0.00	1,107.06
9T07	Jean Williams Postgrad Centre - YG	21,628.40	1,917.25	365.55	23,180.10	0.00	23,180.10
9T08	Jean Williams Postgrad GP VTS - YG	4,185.18	0.00	0.00	4,185.18	0.00	4,185.18
9T10	Ysbyty Gwynedd General Purposes	615,352.59	58.80	0.00	615,411.39	0.00	615,411.39
9T16	Corporate Communications - YG	682.36	0.00	0.00	682.36	0.00	682.36
9T21	LLandudno General Purposes	329,744.07	0.00	0.00	329,744.07	0.00	329,744.07
9T22	Catering Dept - YG	2,514.25	0.00	0.00	2,514.25	0.00	2,514.25
9T27	Betsi-Quthing Fund	15,633.10	60.00	0.00	15,693.10	12,895.74	2,797.36
9T28	Research Grant Fund - North Wales	0.00	0.00	0.00	0.00	0.00	0.00
9T30	NHS Wales Informatics Service in Africa	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Other Total		741,744.00	13,650.39	39,937.85	715,456.54	360,756.22	354,700.32

North Wales Wide Services

Summary Statement - February 2019

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
7B62	Leukaemia/Allied Blood Disease - YMW	238,968.63	0.00	0.00	238,968.63	0.00	238,968.63
7H01	X-Ray Department - YMW	15,657.77	0.00	0.00	15,657.77	0.00	15,657.77
7J02	Path Lab - Staff Training - YMW	6,487.75	0.00	0.00	6,487.75	0.00	6,487.75
7J03	Microbiology Training Fund - YMW	2,075.33	0.00	0.00	2,075.33	0.00	2,075.33
7Q01	Cancer Fund - YMW - Closed	0.00	0.00	0.00	0.00	0.00	0.00
7Q02	Cancer Support Group - YMW	324,984.82	7,069.25	3,397.30	328,656.77	31,550.00	297,106.77
7Q05	Breast Cancer Fund - YMW	15,050.64	300.00	0.00	15,350.64	13,560.00	1,790.64
8H01	Scanner Charitable Fund - Glan Clwyd	0.00	0.00	0.00	0.00	0.00	0.00
8H02	X-Ray Department - Glan Clwyd	5,174.19	0.00	0.00	5,174.19	0.00	5,174.19
8H03	Interventional Radiographers & Nurses Educ. Fund	0.00	0.00	0.00	0.00	0.00	0.00
8J02	Pathology Leukaemia/Haematology - Glan Clwyd	196,221.03	0.00	0.00	196,221.03	0.00	196,221.03
8J03	Pathology Chemical - Glan Clwyd	10,738.07	0.00	0.00	10,738.07	0.00	10,738.07
8J04	Leukaemia & Cancer Laboratory Research Fund - Glan	18,341.99	0.00	0.00	18,341.99	0.00	18,341.99
8K01	Audiology CPG Fund	18,784.27	10,295.00	657.29	28,421.98	0.00	28,421.98

8K02	Medical Physics - Glan Clwyd	4,508.92	0.00	0.00	4,508.92	0.00	4,508.92
8Q01	Oncology - Glan Clwyd	6,967.77	0.00	89.10	6,878.67	0.00	6,878.67
8Q02	Cancer Charitable Fund - Glan Clwyd	716,049.12	6,236.84	8,091.37	714,194.59	78,132.00	636,062.59
8Q03	Cancer Research Fund - Glan Clwyd	30,911.15	0.00	207.30	30,703.85	11,250.00	19,453.85
8Q04	KKLF Award Fund - Closed	0.00	0.00	0.00	0.00	0.00	0.00
8Q06	Cancer "Wigs" Fund	4,271.51	0.00	0.00	4,271.51	0.00	4,271.51
8Q07	Brain Tumour Patient Amenities Fund	34,213.14	0.00	0.00	34,213.14	0.00	34,213.14
8Q08	Radiotherapy Research Fund	4,781.38	340.00	0.00	5,121.38	0.00	5,121.38
9H01	Scanner - YG	6,459.27	0.00	0.00	6,459.27	0.00	6,459.27
9H02	Ultrasound - YG	16,308.20	0.00	0.00	16,308.20	0.00	16,308.20
9H03	Ysbyty Gwynedd Radiology	9,932.75	0.00	0.00	9,932.75	0.00	9,932.75
9J02	Ysbyty Gwynedd Haematology	22,887.18	0.00	0.00	22,887.18	0.00	22,887.18
9J03	Path Lab Educ & Training - YG	2,300.38	0.00	0.00	2,300.38	0.00	2,300.38
9J04	Microbiology - YG	5,878.01	0.00	0.00	5,878.01	0.00	5,878.01
9J06	Microbiology Research - YG	27,962.34	0.00	0.00	27,962.34	0.00	27,962.34
9J07	Microbiology Staff - YG	6,905.96	0.00	0.00	6,905.96	0.00	6,905.96
9J08	Pathology Dr Caslin - YG	0.00	0.00	0.00	0.00	0.00	0.00
9J09	Mortuary - YG	2,174.28	0.00	0.00	2,174.28	0.00	2,174.28
9J10	Ysbyty Gwynedd Biochemistry General Purposes	4,292.38	0.00	0.00	4,292.38	0.00	4,292.38
9J11	Cellular Pathology & Immunology - YG	172.50	0.00	0.00	172.50	0.00	172.50
9Q01	Cancer Research - YG	96,844.56	0.00	0.00	96,844.56	0.00	96,844.56
9Q02	Gwynedd Breast Cancer Research	72,512.03	3,550.00	4,060.62	72,001.41	0.00	72,001.41
9Q03	Haematology and Cancer - YG	57,298.93	0.00	0.00	57,298.93	0.00	57,298.93
9Q04	Janet Jones (Alaw) - YG	476,540.24	6,993.78	7,486.48	476,047.54	75,074.00	400,973.54
9Q05	Complimentary Therapy - YG	0.00	0.00	0.00	0.00	0.00	0.00
9Q09	Palliative Care Lymph Nursing - West	2,626.31	0.00	0.00	2,626.31	0.00	2,626.31
9Q10	Leukaemia Research - West	5,775.68	800.00	0.00	6,575.68	0.00	6,575.68
9Q14	Bowel Cancer Research - YG	37,844.32	0.00	0.00	37,844.32	0.00	37,844.32
9Q17	Alaw Unit Development Project	137.31	0.00	0.00	137.31	0.00	137.31
9Q18	#TeamIrfon	112,343.59	0.00	1,132.36	111,211.23	31,033.44	80,177.79

North Wales Wide Services Total

2,621,383.70	35,584.87	25,121.82	2,631,846.75	240,599.44	2,391,247.31
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BCU - Unapportioned Income & Expenditure**Summary Statement - February 2019**

Fund	Name	Bal B/fwd	Inc	Exp	Bal C/fwd	Outstanding Approvals	Potential Bal
		£	£	£	£	£	£
		01.02.19			28.02.19		28.02.19
ZZ01	Unapportioned Investment Gains / Losses	334,112.56	0.00	0.00	334,112.56	0.00	334,112.56
ZZ02	Unapportioned Investment Income	66,742.33	147.57	0.00	66,889.90	0.00	66,889.90
ZZ03	Unapportioned Administration Expenditure	(122,172.23)	0.00	18,510.40	(140,682.63)	0.00	(140,682.63)
ZZ04	Unapportioned Fund-Raising Costs	0.00	0.00	0.00	0.00	0.00	0.00
ZZ05	Working Account - Main Charity	0.00	0.00	0.00	0.00	0.00	0.00
ZZ06	Working Account - Ron & Margaret Smith Cancer Appe	0.00	0.00	0.00	0.00	0.00	0.00
ZZ07	Provisions Fund - Main Charity	0.00	0.00	0.00	0.00	0.00	0.00
ZZ08	Unapplied Income	1,757.23	(1,757.23)	0.00	0.00	0.00	0.00
ZZ09	Pre Payment Fund	0.00	0.00	0.00	0.00	0.00	0.00
Unapportioned Income & Expenditure Total		280,439.89	(1,609.66)	18,510.40	260,319.83	0.00	260,319.83
Totals		8,539,697.68	99,766.25	224,058.46	8,415,405.47	1,438,963.31	6,976,442.16

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