

Antimicrobial Resistance and Infection Control Programme

Surgical antibiotic prophylaxis duration

www.bit.ly/3eGoCKw

Professor Martin Cormican, National Clinical Lead, AMRÍC Marie Philbin, Chief Pharmacist, AMRIC 10th December 2021



Seirbhís Sláinte Níos Fearr á Forbairt Building a Better Health Service



Invite for the webinar has been extended to:

- Anyone involved in the use of Surgical Antibiotic Prophylaxis
 - Prescribes Surgeons, Obstetricians, Gynaecologists, Anaesthetists, Cardiologists
 - **Dispenses** Pharmacy Staff
 - Administers Nurses
 - Infection Specialists Consultant Microbiologists, Infectious Diseases Physicians, Antimicrobial Pharmacists
 - Quality & Patient Safety Staff
- We would like you to welcome you all here today





Structure of the webinar

- Background/rationale for this work
- AMRIC/NCPS joint position statement on surgical antibiotic prophylaxis duration
- Audit tool
- Supporting materials





Some background as to the rationale for the work





Seirbhís Sláinte Níos Fearr á Forbairt Service



- Surgical antibiotic prophylaxis is a critical step in preventing surgical site infection.
- Maximum benefit with the least harm is achieved by:
 - Administering the right agent, at the right dose, at the right time and for the right duration.
- In terms of duration most procedures only require a single dose of surgical antibiotic prophylaxis to reduce the risk of a surgical site infection (SSI)
 - Extended duration of surgical antibiotic prophylaxis is not associated with further reduction in risk of SSI
 - There is evidence of harm such as acute kidney injury and *Clostridioides difficile* infection with extended duration

JAMA Surgery | Original Investigation

Association of Duration and Type of Surgical Prophylaxis With Antimicrobial-Associated Adverse Events

Westyn Branch-Elliman, MD, MMSc; William O'Brien, MS; Judith Strymish, MD; Kamal Itani, MD; Christina Wyatt, MD; Kalpana Gupta, MD, MPH

CONCLUSIONS AND RELEVANCE Increasing duration of antimicrobial prophylaxis was associated with higher odds of AKI and C difficile infection in a duration-dependent fashion; extended duration did not lead to additional SSI reduction. These findings highlight the notion that every day matters and suggest that stewardship efforts to limit duration of prophylaxis have the potential to reduce adverse events without increasing SSI.

JAMA Surg. 2019;154(7):590-598. dol:10.1001/jamasurg.2019.0569 Published online April 24, 2019. Author Affiliations: Author affiliations are listed at the end of this article.

Corresponding Author: Westyn Branch-Elliman, MD, MMSc, Department of Medicine, VA Boston Healthcare System, 1400 VFW Pkwy West Roxbury, MA 02132 (wbranche@bldmc.harvard.edu).





- 2020 national antimicrobial point prevalence study showed 62% of cases exceeded a single dose
- 2017 European Study showed Scotland only 35% of cases exceeded a single dose
- Scope for improvement
- Development of position statement & associated resources to assist in that improvement







Antimicrobial Resistance and Infection Control Programme

The position statement

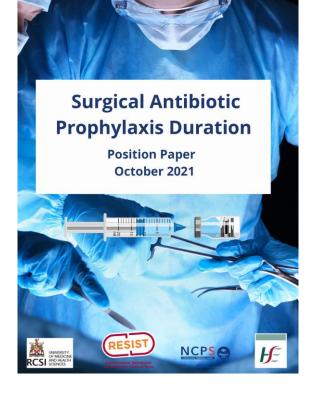


Seirbhís Sláinte Níos Fearr á Forbairt Service



- Position statement on duration of antibiotic prophylaxis in surgery
- Developed jointly by National Clinical Programme for Surgery (NCPS) & HSE antimicrobial resistance and infection control team (AMRIC)
- Review & feedback provided by:
 - The Royal College of Surgeons of Ireland
 - The College of Anaesthesiologists
 - The Institute of Obstetrics & Gynaecologists
 - HSE National Clinical Programmes for Anaesthesia, Women & Infants, Heart, and, Trauma & Orthopaedics.
 - Irish Society of Clinical Microbiologists
 - Infectious Diseases Society of Ireland
 - Irish Antimicrobial Pharmacists Group
 - HSE Antimicrobial Stewardship Advisory Group
- Consensus of expert opinion supported by all key stakeholders







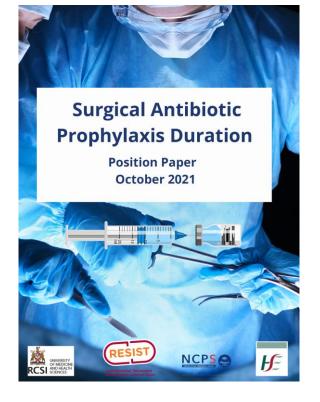
- Recommendations
 - Maximum durations of surgical antibiotic prophylaxis depending on the type of surgery
 - Supported by evidence
- Durations
 - Most procedures do not require postoperative antibiotics
 - Otherwise depending on type of procedure
 - Maximum of 24 hours
 - Maximum of 48 hours
 - Locally agreed maximum may be less than this







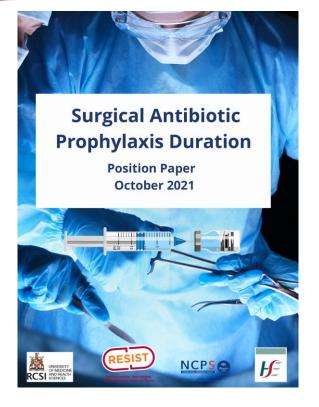
- Taking account of evidence & expert opinion a duration greater than 48 hours cannot be reasonably justified.
 - Applicable to both parenteral & oral routes.
 - Antibiotic prophylaxis should not be continued beyond the limits specified even if <u>drains</u> remain in place.







- Treatment is **NOT** prophylaxis
 - If infection is suspected or confirmed preop/intra-op/post-op then the model of antibiotic prophylaxis is no longer applicable.
 - Treatment agent & duration as per local prescribing guidelines or infection specialist advice.







Suggestions/resources to progress implementation of the recommendations from the position paper





Seirbhís Sláinte Building a Níos Fearr Better Health á Forbairt Service



National collaborative working group – NCPS & HSE AMRIC

- Developed a suite of resources to assess in implementation of the position statement
 - Professor Martin Cormican, National Clinical Lead, AMRIC
 - Professor Debbie McNamara, National Clinical Lead, NCPS
 - Dr Sinéad O'Donnell, Consultant Microbiologist Beaumont Hospital
 - Ciara Hughes, Programme Manager, NCPS
 - Therese Dalchan, GM for AMRIC in HSE Acute Operations
 - Audrey Lambourn, Communications Manager, AMRIC
 - Marie Philbin, Chief Pharmacist, AMRIC





Audit

- Audit will fulfil audit requirement.
- Audit data is to support quality improvement, there is no reporting requirement associated with its use
 - A sample process: audit 10 consecutive patient discharges within a single speciality.
- Audit tool available and a video to guide you through the use of the tool
- If access to a PC is limited download Microsoft Office/ Microsoft Excel to smartphone to allow completion on such a device.





RESIS Antimicrobial Res and Infection Cont	sistance Audit Tool					
Audit Date:	13/10/2021					
	Question	Answer				
Question 1	Specialty	Colorectal				
Question 1	(If 'Other', specify in next column)	Colorectal				
Question 2	Please specify the procedure carried out.	Right homicoloctomy with anostomosis				
Question 2	(If 'Other', specify in next column)	Right hemicolectomy with anastomosis				
Question 3	Is surgical antibiotic prophylaxis indicated for	Yes				
Question 5	this procedure according to local guidelines?	res				
Question 4	Was an antibiotic prescribed?	Ves				
Question 4	(If 'No', no further questions require completion)	Yes				





	What is the recommended maximum duration of antibioti				
	this procedure				
	according to local guidelines?				
Question 5	If no local guidelines in place, what is the recommended	Pre-op plus intra-op dose(s)(where indicated)			
	maximum duration as per the HSE				
	position statement on duration?				
	(If 'Other', specify in next column)	.			
Question 6	What duration was the antibiotic given for?		dose only plus intra-op dose(s)(where indicated)		
	Were antibiotics given for less than or equal to the	24 hours			
	recommended duration (as recommended	48 hours Other	rs		
Question 7	by local guidelines or HSE position statement if no local		No		
	guidelines)?	1			
	(If 'Yes', no further questions require completion)				
	(If 'Yes', no further questions require completion)				





Question 8	If antibiotics were administered for greater than the recommended maximum duration (local guidelines or HSE position statement) was there a specific documented reason?	Yes
Question 9	If 'Yes' to Question 9, what was the reason for continuing the antibiotics beyond the recommended maximum for that procedure?	Confirmed/ Suspected infection diagnosed pre-op/ intra-op
	Confir	med/ Suspected infection diagnosed pre-op/ intra-op med/ Suspected infection diagnosed post-op in place





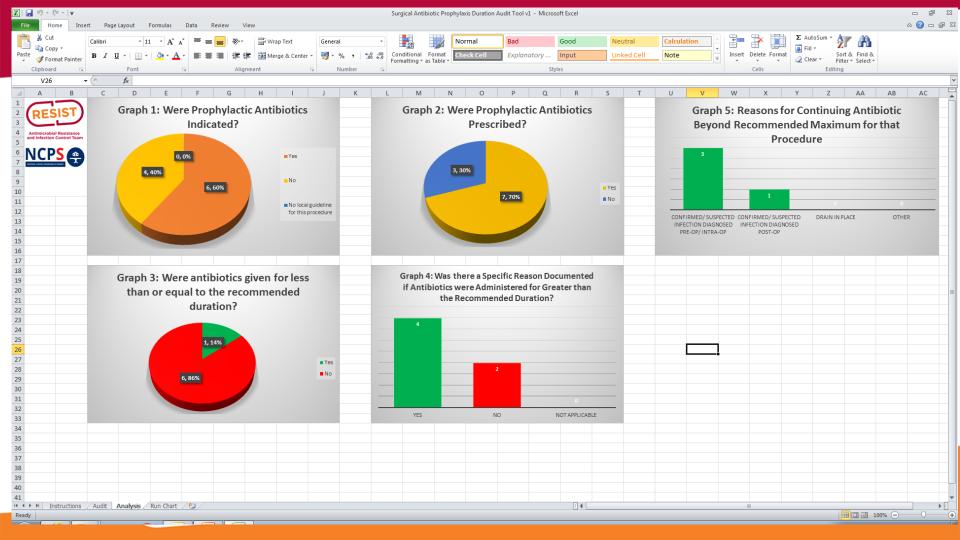
l		
Question 10 (Optional)	If prolonged/ post-operative antibiotics were decided on during the procedure, is the reason for this documented in the operative notes?	Yes
Question 11 (Optional)	Was this duration specified in the operative notes?	Yes
Question 12 (Optional)	If prolonged/ post-operative antibiotics were prescribed, was there a documented stop date at the time of prescribing on the drug chart or entry into the electronic patient record?	Yes



🔣 i 🛃 File	10) - (≌ - Home	∓ Insert Page Layout Formulas Data Review Viev		Surgical Antibiotic	Prophylaxis Duration Audit Tool v1 - Mi	crosoft Excel			- @ ~ -	
Paste	Home ∦ Cut ≧ Copy → √ Format I Clipboard		aar Wrap Text General General General General General General Second Second Seco	*.00 +00 Formatting * as Tab	Normal Bad at Check Cell Explanatory	Good Neur		Sert Delete Format Cells Σ Auto	Sum * 🖅 🕅	
	C7	▼ (fr Yes								~
-	A B RESIST NCPS Audit Too Audit Too		D/ Patient 1		E Patient	F 2	G Patient	н 3	ı Patient 4	
2 A	udit Date:	01/12/2021 Question	Answer	If 'Other', please specify	Answer	If 'Other', please specify	Answer	If 'Other', please specify	Answer If	'Oth
4 Q	estion 1	Specialty (If 'Other', specify in next column)	Breast	ij otner, predse specijy	Colorectal	ij ouici, picuse specijy	Gynaecology	ij ouici , picuse specijy	MaxilliofacialDental	=
5 Q	uestion 2	Please specify the procedure carried out. (If 'Other', specify in next column)	Other		Lap right hemicolectomy with anastomosis		Laparoscopy		Osteotomy maxilla with IF, bilateral	
6 Q	estion 3	Is surgical antibiotic prophylaxis indicated for this procedure according to local guidelines?	No		No		Yes	-	Yes	
7 Q	estion 4	Was an antibiotic prescribed? (If 'No', no further questions require completion)	Yes		No	*****	Yes		Yes	
Q 8		What is the recommended maximum duration of antibiotic for this procedure according to local guidelines? If no local guidelines in place, what is the recommended maximum duration as per the HSE position statement on duration? (f) 'other', specify in next column)	Pre-op dose only				Pre-op plus intra-op dose(s)(where indicated)		Pre-op dose only	
9 Q	estion 6	What duration was the antibiotic given for?	Pre-op plus intra-op dose(s)(where indicated)				4 days		3 days	
Q 10		Were antibiotics given for less than or equal to the recommended duration (as recommended by local guidelines)? (If Yes', no further questions require completion)	No				No		No	
		If antibiotics were administered for greater than the recommended maximum duration (local guidelines or HSE position statement) was there a specific documented reason?	Yes				Yes		No	
Q 12	estion 9	If 'Yes' to Question 9, what was the reason for continuing the antibiotics beyond the recommended maximum for that procedure?	Confirmed/ Suspected infection diagnosed pre-op/ intra-op				Confirmed/ Suspected infection diagnosed pre-op/ intra-op			
13 Q	uestion 10 optional)	If prolonged/ post-operative antibiotics were decided on during the procedure, is the reason for this documented in the operative notes?	No				Yes	-		
I4 ◀ → Ready	1	ctions 🗋 Audit / Analysis / Run Chart / 🞾 /							III I 100% — – – –	▼

Ready

🛣 🛛 🕫 👻 🕫 🔽 Surgical Antibiotic Prophylaxis Duration Audit Tool v1 Microsoft Excel												- 6	ar 23		
												∝ 🕜 =	- # 23		
r k	Cut		Wrap Text General	Ŧ		Normal	Bad	Good	Neutr	ral Calculation	i 🔁 🔁	Σ Auto	5um * 🔭 🕅		
Paste	Сору т			◆.0 .00 .00 ◆.0	Conditional Fo	<u>g</u>	Explanatory			ed Cell Note	Insert Delete Forma	Fill 👻	Sort & Find &		
	Format P	ainter – – –	-	.000	Formatting * as T	ble *	Explanatory		LINKE		* * *	Clear	* Filter * Select *		
	board	Font S Alignm	nent 🕞 Number	Es.				Styles			Cells		Editing		
	C7	▼ (f _x Yes								1			1		~
	A	В	С		D	E	1	F		G	Н		1		^
6		ST NCPS Surgical Prophylaxis													
C C															
Antim	icrobial Resis	stance Audit Tool	Patient	1			Patient	12		Patie	ent 3			Patient 4	
-			-												
2 Audi	t Date:	01/12/2021 Question		In loui				10101							
3		Specialty	Answer	If Othe	r', please specify	Answer		If 'Other', please	e specijy	Answer	If 'Other', pleas	e specify	Answer	<u>I</u> J	If 'Oth
4 Ques	tion 1	(If 'Other', specify in next column)	Breast			Colorectal				Gynaecology			MaxilliofacialDental		
		Please specify the procedure carried out.				Lap right hemico	lectomy with						Osteotomy maxilla wi	th IF,	
5 Ques	tion 2	(If 'Other', specify in next column)	Other			anastomosis				Laparoscopy			bilateral		
Ques		Is surgical antibiotic prophylaxis indicated for	No			No				Yes			Yes		
6		this procedure according to local guidelines?						-			_				
Ques	tion 4	Was an antibiotic prescribed? (If 'No', no further questions require completion)	Yes			No			Yes			Yes			
/		What is the recommended maximum duration of antibiotic													_
		for this procedure													
		according to local guidelines?								Pre-op plus intra-op					
Ques		If no local guidelines in place, what is the recommended	Pre-op dose only								e(s)(where indicated)		Pre-op dose only		
		maximum duration as per the HSE								,					
8		position statement on duration? (If 'Other', specify in next column)													
0			Pre-op plus intra-op												
9 Ques	tion 6	What duration was the antibiotic given for?	dose(s)(where indicated)							4 days			3 days		
		Were antibiotics given for less than or equal to the													
		recommended duration (as recommended													
Ques		by local guidelines or HSE position statement if no local guidelines)?	No							No			No		
10		(If 'Yes', no further questions require completion)													
		If antibiotics were administered for greater than the													
01105		recommended maximum duration (local	Yes							Yes			No		
		guidelines or HSE position statement) was there a specific	165							ies .			NO		
11		documented reason?													1040404040
Ques		If 'Yes' to Question 9, what was the reason for continuing the antibiotics beyond the recommended	Confirmed/ Suspected Infection							Confirmed/ Suspected infectio	n				
12		maximum for that procedure?	diagnosed pre-op/ intra-op							diagnosed pre-op/ intra-op					
Quer	tion 10	If prolonged/ post-operative antibiotics were decided on													
13 (Opti	onal)	during the procedure, is the reason for this documented	No							Yes					
13 1000		in the operative notes?		-							_				
Our															
14 4 <u>7 </u>	Instruc	ctions Audit Analysis Run Chart	•			•••••••••••••••••••••••••••••••••••••••									
Read	_												100%	Θ \Box	+





Audit – experience of a Model 4 hospital

- Audit to establish a baseline using local surgical antibiotic prophylaxis guidelines (recommended duration is shorter for some surgeries)
- 60 surgical patients audited across all surgical specialities
- 94% of patients were prescribed surgical antibiotic prophylaxis
- Surgical antibiotic prophylaxis duration was compliant with local guidelines in 60%
- Tool was easy to use would be nicer in an App format





Audit – experience of a Model 4 hospital

Initial Actions taken based on audit results

- Position statement circulated to all surgical team members
- Results fed back to clinical directorates and presented at grand rounds there was a lot of interest at Grand Rounds

If any of you have experiences to share I can add anonymously to the webpage



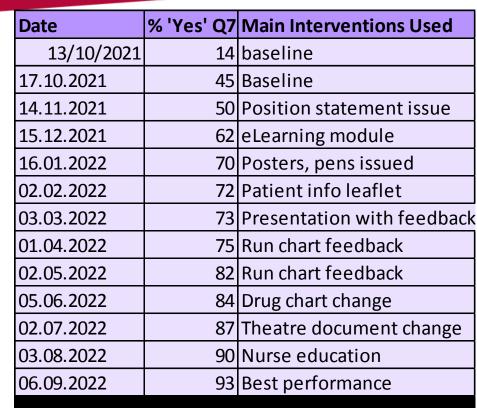
X 🖬	ii) - (ii - ∓	· · · · · · · · · · · · · · · · · · ·			Surgic	al Antibiotic Prophylaxis	Duration Audit Too	l v1 for screenshots	- Microsoft Excel								_ 6	7 X
File	Home	Insert Page Layout Formulas Data	a Review View	I.	-													۵ 🕜
P	🔏 Cut	Calibri - 11 - A A	=	📑 Wrap Text 🛛 Ge	eneral ×		Normal	Bad	Good	Neutral	Calculation			Σ AutoSum	• A= #			
Paste	Copy 🔹				· · · · · · · · · · · · · · · · · · ·	Conditional Format	Check Cell	Explanatory	Input	Linked Cell	Note	- Insert	Delete Forma	Fill 👻	ZI III Sort & Find	-		
×	IFormat Paint	ter				Formatting * as Table *	check cen			Linked Cell	Note	→	* *	Clear *	Filter * Sele			
C	lipboard	Font Fa	Alignme	ent 🖓	Number 🖓			St	tyles				Cells		Editing			
	X6	▼ (° <i>f</i> x																¥
A	В	C D	E F	G H I	J K	L M	N O	P Q	R S	T	UV	W	X Y	Z	AA AB	AC	AD	AE
6	FSIST	Cumulative Audit Analysis of % o																
L V		The aim of this run chart is to vis				e of patients where	e antibiotics we	re used for the	recommended	duration or les	s. The run char	t will assist	t in the impa	act assessme	nt of			
Ant	imicrobial Resistance Infection Control Team	interventions employed. This run		added to after each a	udit.													
NI		To complete this cumulative aud																
IN	CPS	1. From each audit, retrieve the	following informa	ation:														
		A) the date the audit was carried	out															
		B) the percentage of times you a	nswered "Yes" to	Question 7 'Were and	tibiotics given for	less than or equal	to the recomm	ended duration	n?' This figure is	s retrieved from	n Graph 3 on th	ne 'Analysis	sheet of ea	ach audit.				
		C) Include in the 3rd column of t	he table below, th	ne main intervention(s) used for that pe	eriod or specify it i	s was a baselin	e audit etc.										
		2. Enter the dates and correspon	ding '% Yes to Q7	' chronologically in th	he table below.													
		3. Once this information has bee	n entered, the gra	aph will populate with	h your data and a	dd a trend line. An	increasing tren	d line indicates	that there is an	n increase in th	e percentage of	f patients w	ho are rece	ving the				
1		recommended duration of proph	ylaxis or less. A d	ecreasing trendline in	dicates that there	e is an increase in p	atients receivir	ng longer than r	ecommended d	durations of pro	phylaxis withir	n this coho	rt.					
1 2 3 4 5 6 7 8 9 10 11																		
3	Date	% 'Yes' Q7 Main Interventions Used		Run Chart Show	wing % of Patier	nts Where Antibi	otics Were Us	sed for the Red	commended [Duration or								
4	13/10/202 17.10.2021	45 Baseline					Less				-							
6	14.11.2021	50 Position statement issue	100				2000											
7	15.12.2021	62 eLearning module	۲ ۲						-	Nursereduce	Best performance							
8	16.01.2022	70 Posters, pens issued	면 90					Run chart fee	Drug charcenonge	ocumentenonge								
9	02.02.2022 03.03.2022	72 Patient info leaflet 73 Presentation with feedback	S _ 80				Rund	hart feedback										≡
10	01.04.2022	75 Run chart feedback	08 at ion 2)		P	Posters, pens Patient i	esentation with	In the could be the										
12	02.05.2022	82 Run chart feedback	07 In to		eLearning mo													
13	05.06.2022	84 Drug chart change	60 Given															
14	02.07.2022	87 Theatre document change	dec	Positi	ion statement issue													
15	03.08.2022	90 Nurse education 93 Best performance	Antibiotics 05 Antibiotics	Baseline														
16 17 18	00.05.2022	55 best performance	W HU HU															
18				****														
19			0 (Wer															
20 21				baseline														
21			Equi															
23			01 Equal 10															
24			o Yes															
25			*	2021	2021	16.01.2022 02.02.2022	20.22	8 22 8 23	30 22	20 22	2 023							
26 27				10/01	14.11.2	01.5	03.2	04.3	.06.2	02.07.20 22 03.08.20 22	8							
28				13/	14	16 02	03	01	8	03	8							
29							Audit Date											
30																		
31																		
32																		
4 F FI	► Instruction	ns / Audit / / alysis Run Chart / 🖏	· · · · · · · · · · · · · · · · · · ·						[◀ [
Ready																90% —	V	+

Run Chart Showing % of Patients Where Antibiotics Were Used for the Recommended Duration or

Less



Audit Date







Governance

- Agree local governance for a quality improvement (QI) working group
 - Surgical/theatre directorate governance group
 - Antimicrobial advisory committee or Pharmacy & therapeutics committee
 - Quality & safety committee
 - Audit committee
- Assemble QI group suggested members
 - Lead Surgeon/Obstetrician/Cardiologist
 - Surgical/Obstetrics/Cardiology NCHD
 - Anaesthetist
 - Infection Specialist (Microbiologist or Infectious Diseases Physician)
 - Antimicrobial Pharmacist
 - Nurse Manager
 - Quality Manager





Issues & action

- Discuss audit findings with QI group
- Develop and implement a QI plan
- Re-audit post implementation of QI plan
- Use the run chart in the Excel audit tool to document progress and impact of individual interventions



Issues & action

- Other suggested local quality improvement actions:
 - Amendment of operative notes proforma to encourage documentation
 - Amendment of drug chart / electronic prescribing record
 - Amendment of sign out theatre documentation
 - Amendment of post-op surgical nursing care plan





Supporting resources Education

- eLearning module on all aspects of surgical antibiotic prophylaxis including "the right duration" on HSeLanD (RCPI 2 CPD credits)
 - Audience: anyone who prescribes, dispenses or administers surgical antibiotic prophylaxis.





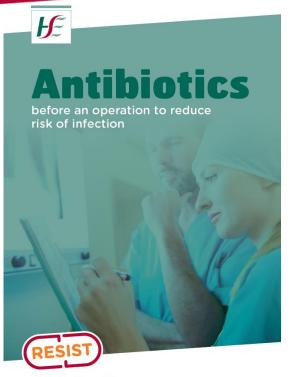
Supporting resources

- A3 posters and pens with key messaging.
- Part of a multifaceted approach









Join the Superbug resistance.



Supporting resources

- A **patient information leaflet** entitled "Antibiotics before an operation to reduce risk of infection".
- NALA approved for plain English language
- Will be automatically issued to any hospital that requested posters & pens in January
- Order from <u>www.healthpromotion.ie</u> in January



Supporting resources

Communications e.g. RCSI communications in progress, RESIST newsletter, Health Matters, Hospital Professional News

surgical technique and

the rate of SSI.

Antimicrobial

Surgical Antibiotic Prophylaxis Duration



HSE-AMRIC along with other HSE national programmes & colleges for surgery, anaesth obstetrics have agreed a position paper about the use of antibiotic prophylaxis for the surgical site infection. The key message is that in most cases no further antibiotic is ne Surgical Antibiotic operation is finished but in some case it may be useful to continue for 1 day and in oth **Prophylaxis Duration**

The idea behind antibiotic prophylaxis is to have enough antibiotic in the tissues for the at the time of surgery and in some cases for a short period afterwards. This has huge b reducing the risk of infection but if the antibiotic is continued for too long there is no a and there is an increasing risk of harm from the antibiotic. Stopping antibiotic prophyle 🌆 best of both worlds with all the benefit and very little risk of harm.

Surgical antibiotic prophylaxis



prevent SSI. An Irish audit in feedback in the joint development mber and October 202 of this document. The extensive process of consultation means this document represents a consensus opinion of experts in this field in Ireland and is supported by all the

What is surgical antibiotic prophylaxis Surgical antibiotic prophylaxis refers to the planned

dministration of antibiotics to a patient without a confirmed of

showed that prophylaxis exceeded a single dose in 62% of patients. For comparison, a 2017 Europear study padormad in Spotland demonstrated that only 35% of patients received more than a single dose of antibiotic for prophylaxis. This supposts there is scope for quality improvement. Continuino an antibiotio beyond the recommended duration pos surgery does not further reduce SSI. In fact, extended duration o surgical antibiotic prophylaxis is associated with increases in acute kidney injury and Clostridioides difficile infection nfection at the surgical site. Unnecessary antibiotic use is a Surgical antibiotic prophylaxis major driver in the emergence of antimicrobial resistance. the rate of surgical site infections Antibiotic use helps infectious (SSI) Optimisation of prophylavia microorganisms that are resistan requires an understanding of to antibiotics to colonise its role, agent, dose, timing of and multiply. A shift to more resistant microorganisms occurs nistration and duration It should be noted that many quickly after someone starts on antibiotics. This means that if th ther non-antibiotic factors and practices, such as infection person develops infection after prevention and control strategie surgery the infection may be harder to treat. preoperative preparation and The primary drive for this initiative nanapement, can also influence is to reduce the risk of patient harm from unnecessary doses o Maximising benefit of surgice preventative antibiotics around the time of surgery Surgical antibiotic prophylaxis duration



The position statement is intended to represent clear recommendations, supported by evidence and the broades possible consent is of evolution opinion in Ireland, regarding generally accepted maximu durations of surgical antibiotic prophylaxis for different types of surgery Aost procedures do not require

of a single dose within 60 minute r to incision is applicable. An additional intra-operative dose may be required in certain circumstances such as significa blood loss or if the procedure duration extends beyond three o four hours of the initial dose (timing will depend on the half-lif For a smaller number of durations may be less is suspected or confirmer prior, during or after a surgical applies. Infection requires reatment, not prophylaxis. nicrobiologist or infectious disease physician.

improvement A collaborative group, from the NCPS and AMRIC, has developed resources to support the implementation of this positio statement includion: · An Excel audit tool to be used as part of a quality improvement

position statement or dines that most procedures, the standar

procedures, a duration of 24 or 48 hours can be justified given uncertainty of current evidence and differences in expert onio owever, locally agreed maxim. There is no evidence to suppor prophylaxis longer than 48 hours for any surgical procedure. This applies equally to antibiotic stered by parenteral or oral route. It should be noted the antibiotic prophylaxis should not be continued beyond the limits specified even if drains remain It is important to recoonise the treatment is not the same as prophylaxis. When an infection

clinically indicated duratio

of antibiotic prophylaxis for a particular surgical procedure. The

procedure, then the model of antibiotic prophylaxis no longe The right agent and duration of treatment should be based on relevant therapeutic ouidelines and/or advice from an infection specialist, for example, a clinical Resources to support quality

> project, and a YouTube video explaining its use. · A PowerPoint presentation that can be used for local delivery.

t on duration of surgical antibiotic prophylaxis has recently been . This was developed by the HSE Antimicrobial Resistance and Infection

C), the HSE Antimicrobial Stewardship Advisory Group & the National

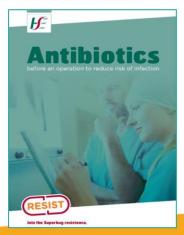
or Surgery (NCPS).

; of consultation means this s a consensus opinion of n Ireland and is supported by

ers.

m surgery have received new and materials to raise w position statement. Patient (pictured right) are being e available to order from on.ie from mid December. atement and further resources

t www.antibioticprescribing.ie



How will we know if we are improving care for patients?

Appendix 4 Measures

	Target 2021	2021 Projected Out-Turn	Target 2022	Target 2023	Target 2024	Target 2025
Compliance with surgical antibiotic prophylaxis duration position statement (as per the annual antimicrobial point prevalence study)	28% of surgical antibiotic prophylax- is pre- scriptions extended beyond 24 hours		26%	24%	22%	20%



HSE Antimicrobial Resistance Infection Control (AMRIC) **action plan** 2022–2025

Supports

- Recording and copy of slides will be available on the resources page next week
- Resources page on <u>www.antibioticprescribing.ie</u> on the hospital-related page
 - Or via the short link <u>www.bit.ly/3eGoCKw</u>
 - Include the video on how to use the audit tool
- If interest we can plan a further webinar in February/March for sharing of ideas/progress





Further work by AMRIC/NCPS

- Webinar for Surgeons @ the RCSI Wednesday evening slot
 - If any other group would like us to do a session we would be delighted
- Just initiated a link with the Private Hospital's Executive to share the position paper and resources.





Thank you for your support in implementing this quality & patient safety initiative

We would be interested to hear of your local experiences of this quality improvement work or any feedback you have on any of the tools or resources, email <u>marie.philbin1@hse.ie</u>

