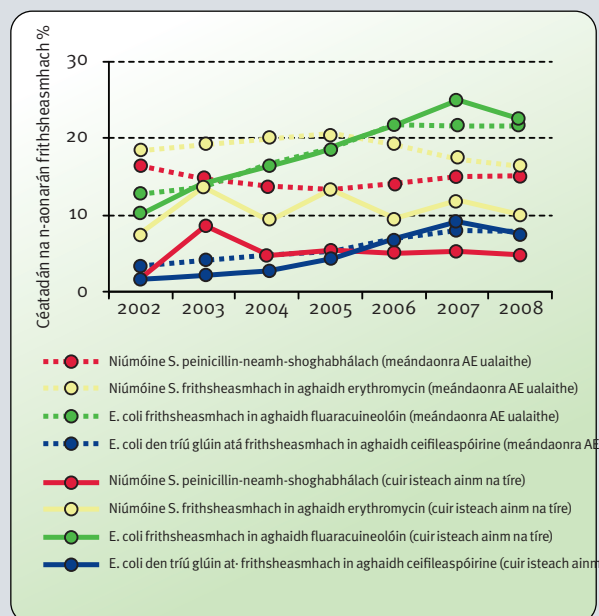


Fíric 1. Fadhb sláinte poiblí atá ag éirí níos tromchúisí í frithsheasmhacht in aghaidh antaibheathach san Eoraip

Is baol do shábháilteacht othar in ospidéal forbairt, leathadh agus roghnú baictéar atá frithsheasmhach in aghaidh antaibheathach^{1,2} ar na cúiseanna seo a leanas:

- D'fhéadfadh go mbeadh ionfhabhtuithe le baictéir atá frithsheasmhach in aghaidh antaibheathach mar bhonn le méadú ar ghalracht agus ar bhásmhaireacht i measc othar, mar aon le tréimhse níos faide san ospidéal⁴⁻⁵;
- Is minic go mbíonn frithsheasmhacht in aghaidh antaibheathach mar bhonn le moill ar theiripe chúí antaibheathach a fháil⁶;
- Tá baint ag teiripe antaibheathach mhíchuí nó mhoillithe in othair a bhfuil ionfhabhtuithe tromchúiseacha acu le torthaí níos measa d'othair agus bás uaireanta⁷⁻⁹.



Figúir 1. Treochtaí na frithsheasmhachta in aghaidh antaibheathach i Niúmóine S. agus E. Coli mar mheándaonra AE ualaithe, 2002-2008. Foinse: EARSS, 2009.

[Tá treoracha maidir le conas sonraí náisiúnta a chur ar an ngraf le fáil sa nóta treorach]

Fíric 2. Tá mí-úsáid antaibheathach in ospidéal ar cheann de na fachtóirí is cúis le frithsheasmhacht in aghaidh antaibheathach

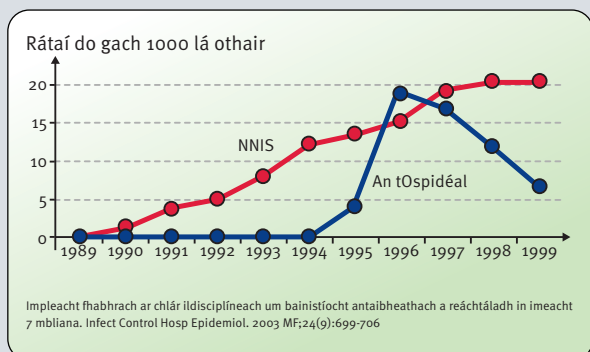
Tá seans maith ann go bhfaighidh othair atá san ospidéal antaibheathaigh¹⁰ agus d'fhéadfadh 50% d'úsáid iomlán na n-antaibheathach in ospidéal a bheith míchuí^{2,11}. Tá mí-úsáid antaibheathach in ospidéal ar cheann de na príomhfachtóirí is cúis le forbairt na frithsheasmhachta antaibheathach¹²⁻¹⁴.

D'fhéadfadh aon cheann díobh seo a leanas a bheith i gceist le mí-úsáid antaibheathach¹⁵:

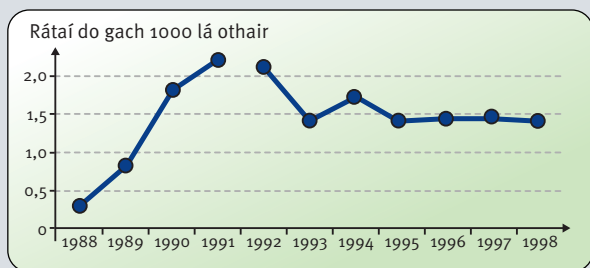
- Nuair a thugtar antaibheathaigh ar oideas go neamhriachtanach;
- Nuair a chuirtear moill ar dháileadh antaibheathach d'othair atá go dona tinn;
- Nuair a bhaintear an iomarca úsáide as antaibheathaigh speictrim leathan, nó nuair a bhaintear úsáid mhícheart as antaibheathaigh speictrim íseal;
- Nuair atá an dáileog antaibheathach níos ísle nó níos airde ná mar is cuí don othar;
- Nuair atá tréimhse na cóireála antaibheathach róghearr nó rófhada;
- Nuair nach bhfuil cóireáil antaibheathach sruthlínithe de réir torthaí shonraí na saothrán micribhitheolaíochta.

Fíric 3. Na buntáistí a bhaineann le húsáid chiallmhar antaibheathach

D'fhéadfadh úsáid chiallmhar antaibheathach cosc a chur ar fhorbairt agus ar roghnú baictéar atá frithsheasmhach in aghaidh antaibheathach^{2,14,16-18} agus is léir trí úsáid antaibheathach a laghdú gur féidir teagmhas ionfhabhtuithe Clostridium difficile^{2,16,19} a laghdú.



Figiúr 2. Rátaí Enterococci le frithsheasmhacht in aghaidh vancaimícine in ospidéal roimh agus i ndiaidh forfheidhmí an chlár bhainistíochta antaibheathach i gcomparáid le rátaí in ospidéal an Chórais Náisiúnta Faireachais ar Ionfhabhtuithe Nosacómacha (NNIS)* ar cóimhéid. Foinse: Carling P, et al 2003¹⁶.



Figiúr 3. Rátaí de Clostridium difficile nosacómach, léirithe in aghaidh gach 1000 lá othair, roimh agus i ndiaidh forfheidhmí an chlár bhainistíochta antaibheathach. Foinse: Carling P, et al 2003¹⁶.

Fíric 4. D'fhéadfadh straitéisí ilghnéitheacha a bheith mar bhonn le húsáid chiallmhar antaibheathach

Mar chuid de straitéisí ilghnéitheacha d'fhéadfadh bearta áirithe a bheith mar bhonn le cleachtas feabhsaithe maidir le hordú antaibheathach agus frithsheasmhacht laghdaithe in aghaidh antaibheathach in ospidéal. Áiríonn straitéisí ilghnéitheacha úsáid a bhaint as oideachas leanúnach, treoirlínte agus beartais fianaise-bhunaithe um antaibheathaigh in ospidéal, bearta sriantacha agus comhairliúcháin le lianna um ghalar tógálach, micribhitheolaíche agus cógaiseoirí^{2, 16, 20}. Áirítear sna bearta a bhfuil sé mar aidhm leo úsáid chiallmhar a bhaint as antaibheathaigh^{16, 20, 21, 22}:

- Oideachas leanúnach na n-ordaitheoirí agus na speisialtóirí a chuimsiú i straitéisí cuimsitheacha ospidéal²;
- Treoirlínte agus beartais fianaise-bhunaithe um antaibheathaigh in ospidéal^{2, 16, 20};
- Monatóireacht a dhéanamh ar fhrithsheasmhacht ospidéal in aghaidh antaibheathach agus sonraí ar úsáid antaibheathach d'fhonn teiripe antaibheathach eimpíreach a threorú in othair atá go dona tinn²¹;
- Uainiú ceart agus tréimhse cheart próifílacsaís antaibheathach do mháinliacht a chinntiú²²;
- I ndáil le táscairí áirithe, úsáid a bhaint as tréimhse cóireála níos giorra seachas níos faide^{12, 23-24};
- Samplaí micribhitheolaíochta a thógáil roimh thús a chur le teiripe antaibheathach eimpíreach, torthaí saothrán a mhonatóiriú agus cóireáil antaibheathach a shruthlíniú bunaithe ar thorthaí saothrán²⁵.

1. European Antimicrobial Resistance Surveillance System [database on the Internet]. RIVM. 2009 [cited March 30, 2010]. Available from: <http://www.rivm.nl/earss/database/>. 2. Davey P, Brown E, Fenelon L, Finch R, Gould I, Hartman G, et al. Interventions to improve antibiotic prescribing practices for hospital inpatients. Cochrane Database Syst Rev. 2005(4):CD003543. 3. Bartlett JG, Onderdonk AB, Cisneros RL, Kasper DL. Clindamycin-associated colitis due to a toxin-producing species of Clostridium in hamsters. J Infect Dis. 1977 Nov;136(5):701-5. 4. Cosgrove SE, Carmeli Y. The impact of antimicrobial resistance on health and economic outcomes. Clin Infect Dis. 2003 Jun 1;36(11):1433-7. 5. Roberts RR, Hota B, Ahmad I, Scott RD, 2nd, Foster SD, Abbasi F, et al. Hospital and societal costs of antimicrobial-resistant infections in a Chicago teaching hospital: implications for antibiotic stewardship. Clin Infect Dis. 2009 Oct 15;49(8):1175-84. 6. Kollef MH, Sherman G, Ward S, Fraser VJ. 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