



Status of EARS-Net and feedback from the 2011 data collection

Ole Heuer, Surveillance Section
European Centre for Disease Prevention and Control

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Status of EARS-Net (1)

Data issues

- ✓ EARS-Net data constitutes the basis for the EAAD press material, commissioner briefing in Brussels, and part of the material used in national campaigns. Publication of the EARS-Net Annual Report was synchronised with the EAAD event and press release.
- ✓ EARS-Net data (interactive database) is among the most used and searched items on the ECDC webpage (No 2 and No 5 in two ratings within the past year).
- ? Requests for update and revision of the functionality of the EARS-Net interactive database are pending.
- ? Issue of data from former EARSS participating countries (Non-EU) remains un-settled. Extra pressure applied by ESAC transition to ECDC. Decision postponed by the commission to end of 2011.

Status of EARS-Net (2)

Data issues cont.

- ? Issue regarding data from former EARSS participating countries (Non-EU) remains un-settled. Extra pressure applied by ESAC transition to ECDC. Decision postponed by the commission to end of 2011
- ? Revision of EARSS microbiological manual 2005 is pending. Initial preparation in collaboration with EUCAST. EARS-Net Coordination Group will be asked for scientific advice, input and review during the process. Expected completion during 2012.
- ? Denominator data collection to be revised and reconsidered. If possible, to be aligned fully or partly with other data collections. Expected completion during 2012.

Status of EARS-Net (3) contracts

- ✓ Contract signed with John Stelling for “WHONET support to EARS-Net participants” (3-year framework contract).
- ✓ Contract with UK NEQAS for the EQA continues in 2012. Specific contract signed for production of EQA certificates for the labs for 2010 and 2011 participation.
- ✓ Expert employed on interim contract to support AMR activities at ECDC (Marianne Gunell)
- ✓ Recruitment process completed for a full time AMR Expert to support EARS-Net activities (from 1st Feb 2012)

Status of EARS-Net (4)

Coordination

- ✓ New WHO observer appointed by WHO-Euro to the EARS-Net Coordination Group (Danilo Lo Fo Wong)
- ✓ Initial discussions with WHO-Euro regarding AMR surveillance activities
- ✓ EUCAST representation in the EARS-Net Coordination Group enforced (Christian Giske)
- ✓ EARS-Net Coordination Group meeting I, March 2012
- ? EARS-Net Coordination Group meeting II, Sept 2012
- ? Annual meeting 2012 (ESAC-Net, HAI-Net, EARS-Net)

Special thanks to:

John Stelling

for providing WHONET support 2010/2011

Carlo Gagliotti

for analysis of 2010 EARS-Net data

The EARS-Net Coordination Group

for comments, review and scientific advice

Christine Walton, Nita Patel, Derek Brown

for providing EARS-Net EQA

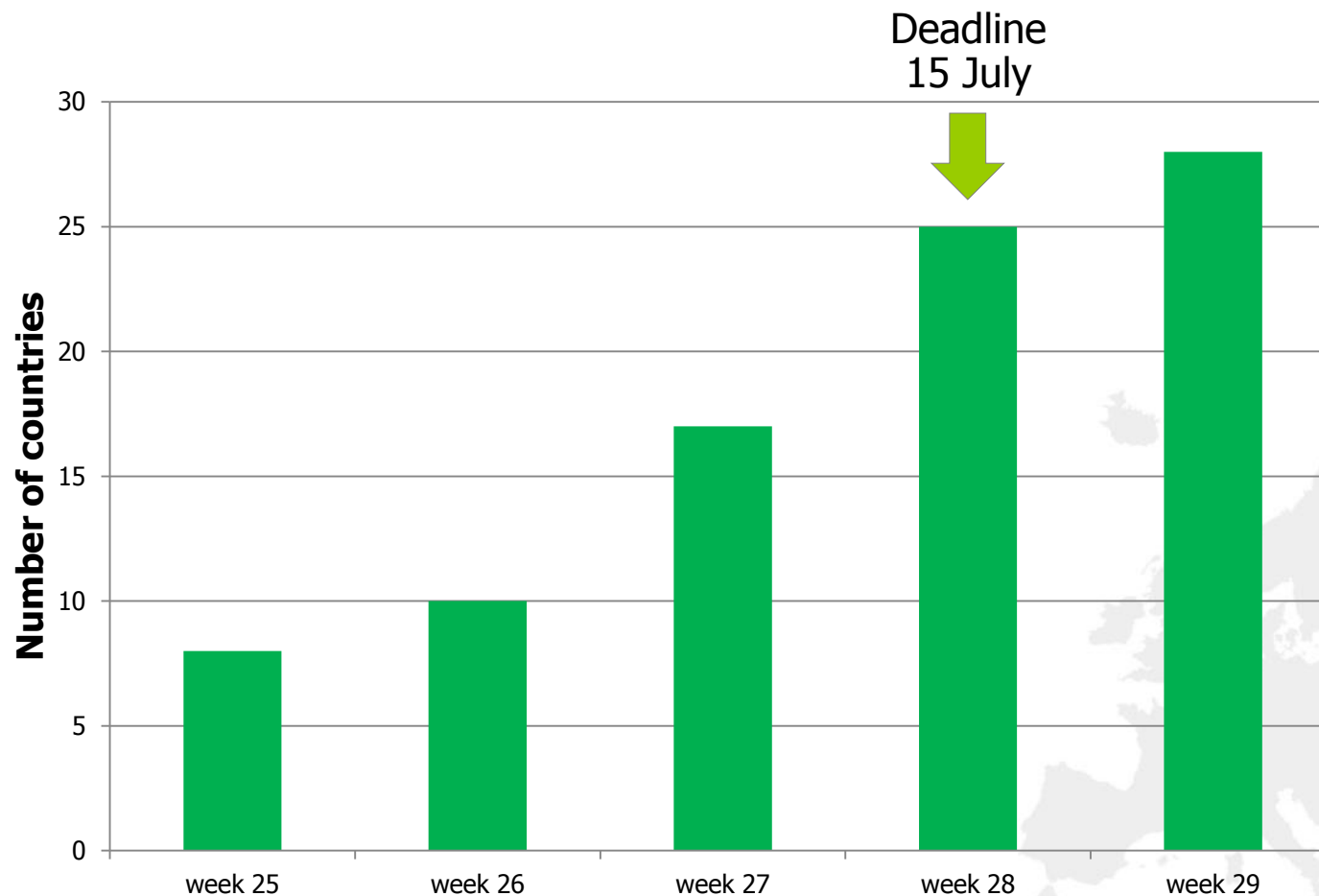
Thank you!
to
National EARS-Net representatives and all staff
involved in data collection at Laboratories and
Hospitals in the countries



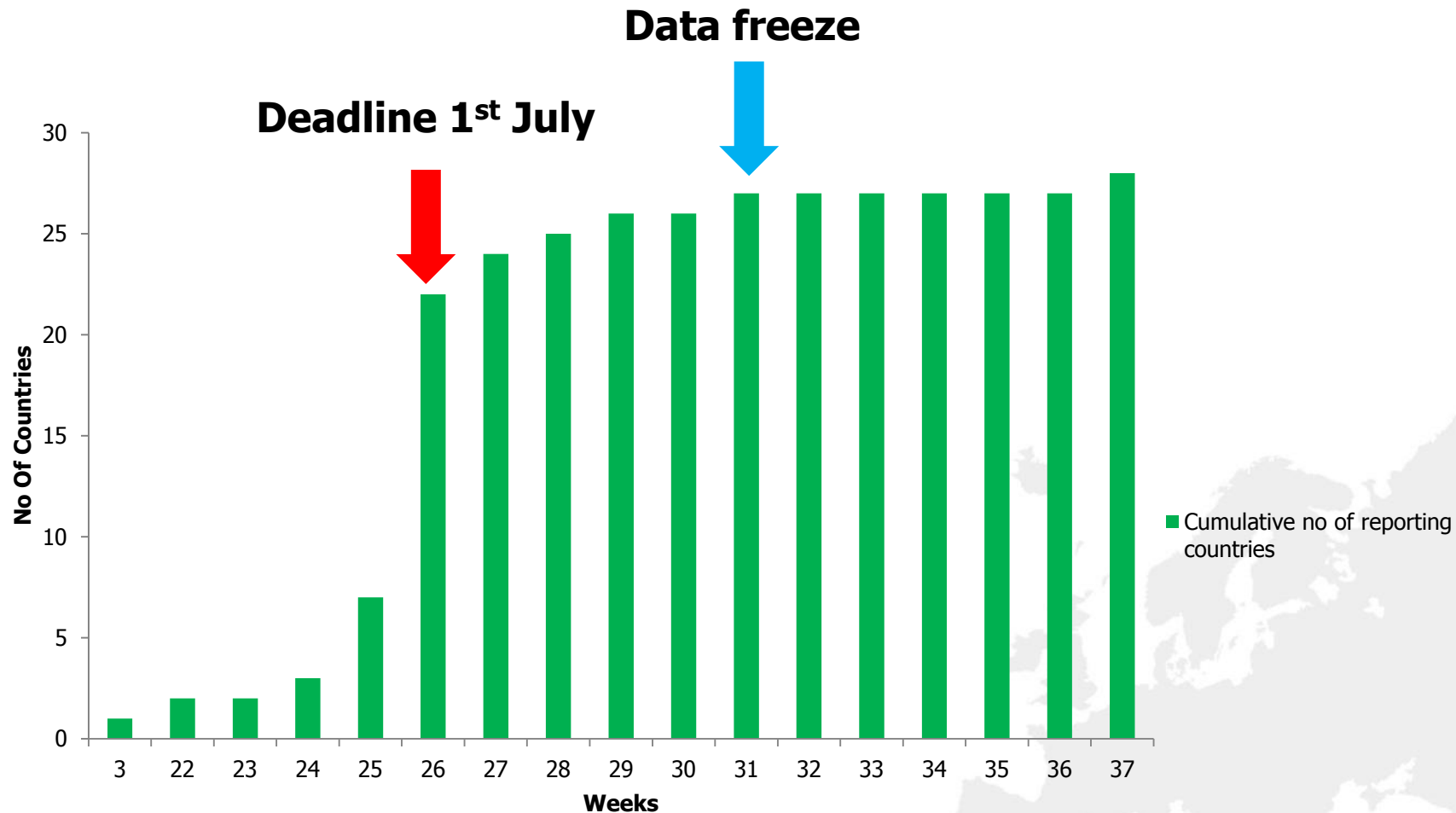
2011 data collection feedback

EARS-Net data collection 2010 (last year)

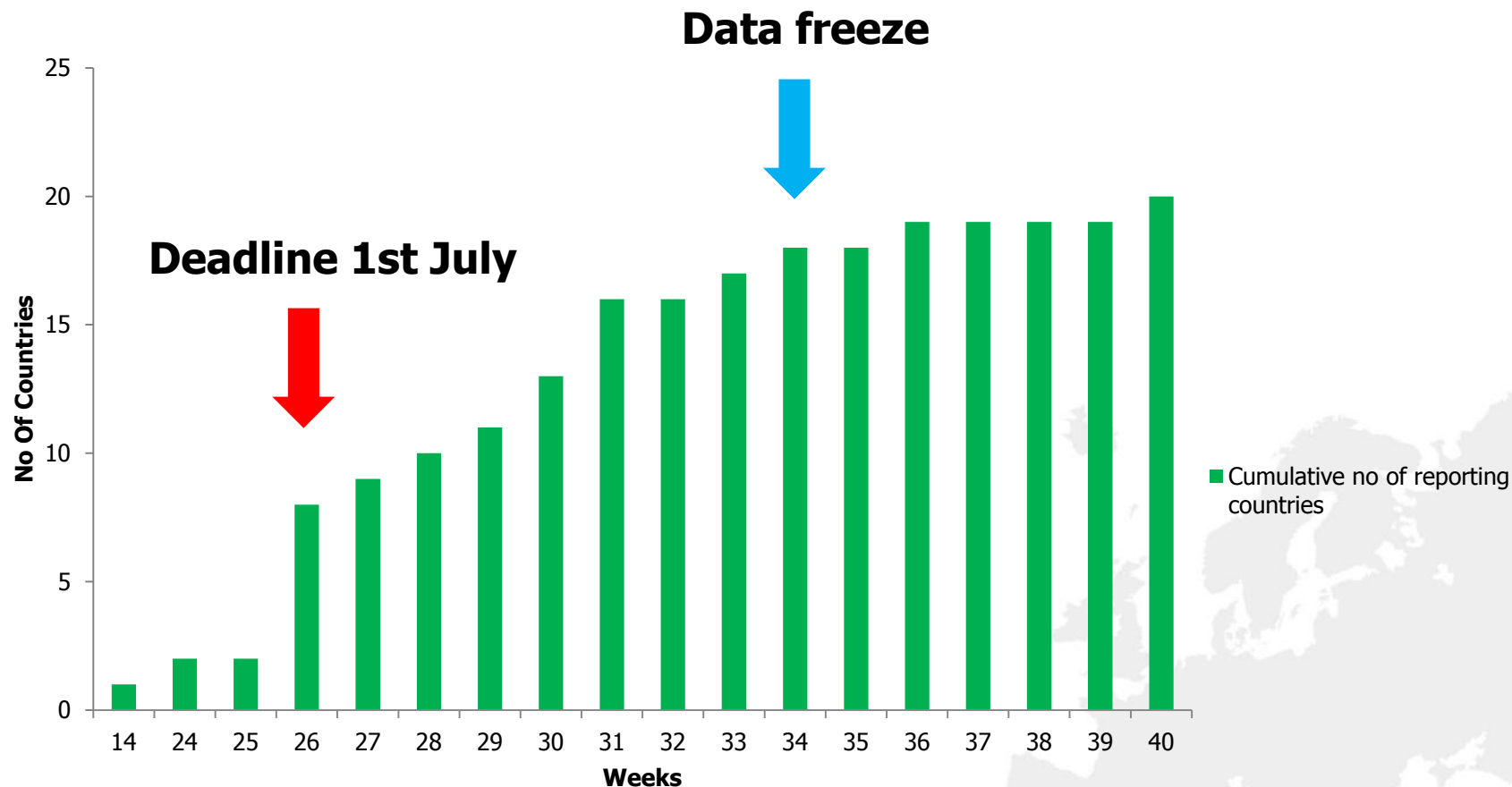
Cumulative number of countries reporting AMR data (AMRTEST) for 2009



Cumulative number of countries reporting AMRTEST data, 2011



Cumulative number of countries reporting **AMRDENOM** data, 2011



Tessy helpdesk feedback

- Difficulties to upload large files
- Adding new lab codes - time consuming procedure
- Difficulties in transforming to TESSy format
- Use of REPLACE for AMRDENOM data (aggregated data)
- Use ADD/UPDATE when reporting additional parts of the AMRTEST data (not REPLACE)
- Inquires about results in the Validation Summary report

EARS-Net data collection 2011

Validation reports provides an option to make a first control of the data upload

Suggested approach:

1. Check to be done (as minimum) by AMR epidemiologist and data manager
2. Check against last years data
3. Make use of helpdesk as soon as a problem that requires assistance is identified

TESSy - View Report

1 of 6 Select a format Export

Validation Summary for Antimicrobial Resistance Test Result Data

Number of Records: 1420

Number of Valid Records: 1420

Staphylococcus aureus

Number of labs: 4

Number of first isolates: 501

		S		I		R		
Antibiotics/ equivalents		No of first isolates tested						
		n	%	n	%	n	%	
MRSA	MET, OXA, FOX, FLC, CLO, ...	501	500	99.8%	0	0.0%	1	0.2%

Streptococcus pneumoniae

Number of labs: 5

Number of first isolates: 410

		S		I		R		
Antibiotics/ equivalents		No of first isolates tested						
		n	%	n	%	n	%	
3rd gen. cephalosporins	CTX, CRO	25	25	100.0%	0	0.0%	0	0.0%
Fluoroquinolones	CIP, OFX, LVX, NOR	25	23	92.0%	1	4.0%	1	4.0%
Macrolides	ERY, CLR, AZM	410	390	95.1%	0	0.0%	20	4.9%
Penicillins	PEN, OXA	410	395	96.3%	14	3.4%	1	0.2%

Visit session 6 in room 'Zima' (open data session from 10:45)

Publications based on EARS-Net results

Publication by *Gagliotti et al* in Eurosurveillance 17 march 2011 containing analysis presented in the focus chapter of the EARS-Net 2009 report made on EARSS/EARS-Net data.

Nominated network members (by the time of the analysis) were included as co-authors. Countries could have 2-3 authors.

This year a similar publication is planned based on the carbapenem focus chapter (chapter2) in the EARS-Net 2010 report.



SURVEILLANCE AND OUTBREAK REPORTS

Escherichia coli and *Staphylococcus aureus*: bad news and good news from the European Antimicrobial Resistance Surveillance Network (EARS-Net, formerly EARSS), 2002 to 2009

C Gagliotti¹, A Balode², F Baquero³, J Degener⁴, H Grundmann⁵, D Gür⁶, V Jarlier⁷, G Kahlmeter⁸, J Monen⁹, D L Monnet¹, G M Rossolini⁹, C Suetens⁴, K Weist¹, O Heuer (ole.heuer@ecdc.europa.eu)¹, the EARS-Net Participants (Disease Specific Contact Points for AMR)¹⁰

1. European Centre for Disease Prevention and Control (ECDC), Stockholm, Sweden
2. Paul Stradins Clinical University Hospital, Riga, Latvia
3. University Hospital Ramón y Cajal, Madrid, Spain
4. University Medical Centre Groningen, Groningen, the Netherlands
5. National Institute for Public Health and the Environment (RIVM), Bilthoven, the Netherlands
6. Hacettepe University School of Medicine, Ankara, Turkey
7. Pitié-Salpêtrière Hospital, Paris Cedex 13, France
8. Central Hospital Växjö, Växjö, Sweden
9. University of Siena, Siena, Italy
10. EARS-Net participant are listed at the end of the article

Citation style for this article:

Gagliotti C, Balode A, Baquero F, Degener J, Grundmann H, Gür D, Jarlier V, Kahlmeter G, Monen J, Monnet DL, Rossolini GM, Suetens C, Weist K, Heuer O, the EARS-Net Participants (Disease Specific Contact Points for AMR). *Escherichia coli* and *Staphylococcus aureus*: bad news and good news from the European Antimicrobial Resistance Surveillance Network (EARS-Net, formerly EARSS), 2002 to 2009. *Euro Surveill.* 2011;16(11):pii=19819. Available online: <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=19819>

Article published on 17 March 2011

Based on data collected by the European Antimicrobial Resistance Surveillance Network (EARS-Net) and the former EARSS, the present study describes the trends

invasive infections has been monitored for a decade by the European Antimicrobial Resistance Surveillance System (EARSS) [1]. Coordination and administra-

Q: Do you agree we continue following the same procedure?

Thank you for your attention!