



## CURRICULUM VITAE

### Personal data:

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### Education:

1. Cand. med. vet. (DVM), Norwegian School of Veterinary Science (NVH), 1997.
2. PhD (Dr. med. vet.), Norwegian School of Veterinary Science (NVH), Oslo, Norway 2002. Thesis "Epidemiology of Shiga toxin-producing *Escherichia coli* in Norwegian sheep and cattle". ISBN 82-7725-085-1.

### Appointments:

1. Post Doc. position at Department of Food Safety and Infection Biology, Norwegian School of Veterinary Science, Oslo, Norway. Project "Risk assessment of STEC/*stx*-bacteriophages as zoonotic agents in the food production chain". 2003-2005.
2. Senior scientist at the Norwegian Veterinary Institute, Oslo, Norway. 2006-

### Area of responsibility:

Dr. Urdahl is a senior researcher (DVM, PhD) with long experience within zoonoses, particularly human pathogenic *E. coli* and AMR. She coordinates the activities on antimicrobial resistance at the Norwegian Veterinary Institute, activities consisting of several research projects, surveillance programs, advisory to the authorities etc. Urdahl is currently project leading the antibiotic resistance surveillance programs in the veterinary sector; NORM-VET and MRSA in swine, as well as research projects on quinolone resistance. She is also involved as WP leader in two other research projects on antimicrobial resistance. Additionally, she is involved in research and advisory activities linked to the Norwegian strategy of prevention and control of livestock-associated methicillin-resistant *Staphylococcus aureus* in the pig population.

### Others:

1. Member of the board for Nordic Society for Veterinary Epidemiology (NOSOVE), 2000-2004.
2. Member of *ad hoc* working group set by The Norwegian Scientific Committee for Food Safety, Panel on Biological Hazards; A risk assessment of shiga toxin-producing *E. coli* (STEC) in the Norwegian meat chain with emphasis on dry-cured sausages. 2006-2007.
3. WP leader of research project; Foodborne Zoonoses - Campylobacter and *E. coli* - a network project (CampEc-NET), 2007-2008.
4. Member of EFSA's Working Group on monitoring of VTEC in animals and food, 2008-2009.
5. Project manager; Norwegian Survey of pathogenic *E. coli* in sheep. 2006-2012.
6. Project manager research project; Public health aspects and the relationship between Shiga toxin-producing and Enteropathogenic *E. coli* in the ruminant food production chain. 2007-2013.
7. Scientific evaluation of Thesis for Ph.D. degree by Lejla Imamovic; "Shiga Toxin 2-encoding Phages: Prevalence in Food and Environment and Mechanisms of Induction". University of Barcelona, Spain. 2013.
8. Project manager; NORM-VET - Monitoring program for antimicrobial resistance in the veterinary and food production sector. 2013-

9. WP leader of research project; Pathogens in the food chain - persistence, elimination and risk management (PathFoodChain). 2013-
10. Appointed member of the NIPH Committee on preventing and combating antibiotic resistance. 2013-
11. Appointed member of Working group on prevention and combating antibiotic resistance. 2013-2014
12. Project manager, surveillance program; MRSA in swine. 2014-
13. Project manager, surveillance program; Pathogenic *E. coli* in cattle. 2014-16
14. Project manager, research project; Quinolone resistant *Escherichia coli* in Norwegian poultry and their impact on humans (QREC-Risk). 2015-
15. WP leader, research project; HYGENEA: Risk based hygiene control in European Abattoirs. 2015-
16. Project manager, research project; Quinolone resistance despite low antimicrobial usage - mechanisms and possible preventive measures (QREC-MaP). 2016-20
17. WP leader, research project; Combating antimicrobial resistance in the Norwegian food production chain (NoResist). 2016-
18. Consortium member of Joint Action on Antimicrobial Resistance and Healthcare-associated infections (EU-JUAMRAI). 2016-
19. Project leader, mission project for The Norwegian Environment Agency; Antibiotic resistance in terrestrial wild mammal species in Norway- roe deer and wild reindeer as indicator species. 2016-2017.
20. Appointed member of Nordic One Health expert group. 2017-
21. Project leader, mission project for The Norwegian Environment Agency; Antibiotic resistance in terrestrial wild mammal species in Norway- roe deer and wild reindeer as indicator species. 2017-2018.

**External research funding:**

1. PostDoc project, grant NRC 154063/130. 2003-2005.
2. Public health aspects and the relationship between Shiga toxin-producing and Enteropathogenic *E. coli* in the ruminant food production chain, grant NRC 178161/110. 2007-2013 (project manager).
3. Foodborne Zoonoses - Campylobacter and *E. coli* - a network project (CampEc-NET), grant within SAFEFOODERA, 2007-2008 (WP leader).
4. Pathogens in the food chain - persistence, elimination and risk management (PathFoodChain), grant NRC 1663. 2013- , (WP leader).
5. Quinolone resistant *Escherichia coli* in Norwegian poultry and their impact on humans (QREC-Risk), grant NRC 244140/E50. 2015-2017, (project manager).
6. HYGENEA: Risk based hygiene control in European Abattoirs, grant NRC 244493. 2015-2018, (WP leader).
7. Combating antimicrobial resistance in the Norwegian food production chain (NoResist), grant NRC 250212. 2016- , (WP leader).
8. Quinolone resistance despite low antimicrobial usage - mechanisms and possible preventive measures (QREC-MaP), grant NRC 255383/E50. 2016- , (project manager).
9. Joint Action on Antimicrobial Resistance and Healthcare-associated Infections (EU-JAMRAI), 2017 - (project participant).
10. *Klebsiella pneumoniae* - a key driver in the global spread of antimicrobial resistance and a target for new approaches in diagnostics, surveillance and alternative therapeutics (KLEB-GAP). 2019- (project participant).

**Publications:**

1. Urdahl, A.M., O. Alvseike, E. Skjerve and Y. Wasteson (2001). Shiga toxin genes (*stx*) in Norwegian sheep herds. *Epidemiology and Infection* 127, 129-134.
2. Urdahl, A.M., K. Cudjoe, E. Wahl, E. Heir and Y. Wasteson (2002). Isolation of Shiga toxin-producing *Escherichia coli* O103 from sheep using automated Immunomagnetic separation (AIMS) and AIMS-ELISA: Sheep as the source of a clinical *E. coli* O103 case? *Letters in Applied Microbiology* 35, 218-222.
3. Urdahl, A.M., L. Beutin, E. Skjerve and Y. Wasteson (2002). Serotypes and virulence factors of Shiga toxin-producing *Escherichia coli* isolated from healthy Norwegian sheep. *Journal of Applied Microbiology*, 93, 1026-1033.
4. Urdahl, A.M., L. Beutin, E. Skjerve, S. Zimmermann and Y. Wasteson (2003). Animal host associated differences in Shiga toxin-producing *Escherichia coli* from sheep and cattle on the same farm. *Journal of Applied Microbiology*, 95, 92-101.

5. Urdahl, A.M., Y. Wasteson and E. Skjerve. Epidemiology of Shiga toxin-producing *Escherichia coli* in domestic ruminants; a conceptual approach. In Thesis; Epidemiology of Shiga toxin-producing *Escherichia coli* in Norwegian sheep and cattle.
6. Urdahl, A.M. (2004). Emerging Zoonoses. Norsk veterinærtidsskrift, 11, 836-839.
7. Wasteson Y., G.S. Johannessen, T. Bruheim, A.M. Urdahl, K. O'Sullivan and L.M. Rørvik (2005). Fluctuations in the occurrence of *E. coli* O157:H7 on a Norwegian farm. Letters of Applied Microbiology, 40, 373-377.
8. LeJeune J.T., D. Hancock, Y. Wasteson, E. Skjerve and A.M. Urdahl (2006). Comparison of *E. coli* O157 and Shiga toxin-encoding genes (*stx*) prevalence between Ohio and Norwegian dairy cattle. International Journal of Food Microbiology, 109, 19-24.
9. Sekse, C., H. Solheim, A.M. Urdahl, Yngvild Wasteson (2008). Is lack of susceptible recipients in the intestinal environment the limiting factor for transduction of Shiga toxin-encoding phages? Journal of Applied Microbiology, 105, 1114-1120.
10. Urdahl, A.M., N. J. C. Strachan, Y. Wasteson, M. MacRae and I. D. Ogden (2008). Diversity of *Escherichia coli* O157 in a longitudinal farm study using Multiple-Locus Variable-Number Tandem-Repeats Analysis. Journal of Applied Microbiology, 105, 1344-1353.
11. Jonsson M.E., E. Eriksson, S. Boqvist, A.M. Urdahl, A. Aspán (2009). Experimental infection in calves with a specific subtype of verocytotoxin-producing *Escherichia coli* O157:H7 of bovine origin. Acta Veterinaria Scandinavica, 51:43.
12. Döpfer, D., C. Sekse, L. Beutin, H. Solheim, F.J. van der Wal, A. de Boer, J.S. Slettemeås, Y. Wasteson, and A.M. Urdahl (2010). Pathogenic potential and horizontal gene transfer in ovine gastrointestinal *Escherichia coli*. Journal of Applied Microbiology, 108(5):1552-62.
13. Sekse, C., A.M. Urdahl, and Y. Wasteson (2011). Diarefremkallende *Escherichia coli* hos mennesker - en oversikt. Norsk Veterinærtidsskrift, 1(123): 7-14.
14. Sekse, C., Sunde, M., Lindstedt, B-A., Hopp, P., Bruheim, T., Cudjoe, K., Kvitle, B. and A.M. Urdahl (2011). Potentially human pathogenic *Escherichia coli* O26 in Norwegian sheep flocks. Applied and Environmental Microbiology, 77(14):4949-4958.
15. Bergsjø, B., S. Sviland and A.M. Urdahl (2011). Økt forekomst av *Salmonella* hos husdyr i Norge - grunn til bekymring? Norsk Veterinærtidsskrift, 8:510-13.
16. Davidson, R., I.S. Hamnes, Ø. Øines, A.M. Urdahl, K. Madslie, and K. Handeland (2012). Har revens dvergbedelmark, *Echinococcus multilocularis*, kommet til Norge? Norsk Veterinærtidsskrift, 2: 82-85.
17. Brandal, L.T., C. Sekse, B.A. Lindstedt, M. Sunde, I. Løbersli, A.M. Urdahl and G. Kapperud (2012). Norwegian sheep is an important reservoir for human pathogenic *Escherichia coli* O26:H11. Applied and Environmental Microbiology, 78(12):4083-91.
18. Kampen, A., P. Hopp, G.M. Grøneng, I. Melkild, A.M. Urdahl, A.C. Karlsson and J. Tharaldsen (2012). No indication of *Coxiella burnetii* infection in Norwegian farmed ruminants. BMC Veterinary Research 2012, 8:59.
19. Urdahl, A.M., L. Vold, H. Solheim, V. Hasseltvedt and Y. Wasteson (2012). Shiga toxin-encoding genes (*stx*) in human faecal samples in Norway. APMIS DOI 10.1111/j.1600-0463.2012.02957.x
20. Møller-Stray, J., H.M. Eriksen, T. Bruheim, G. Kapperud, B.A. Lindstedt, Å. Skeie, M. Sunde, A.M. Urdahl, B. Øygard, L. Vold (2012). Two outbreaks of diarrhoea in nurseries after farm visits. Eurosurveillance Edition 2012: 17(47), Article 4, <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20321>
21. Solheim, H., D. Sekse, C. A.M. Urdahl, Y. Wasteson, and L.L. Nesse. Biofilm as an environment for dissemination of *stx* genes by transduction. Applied and Environmental Microbiology 2013, 79(3):896-900. DOI:10.1128/AEM.03512-12
22. Sekse, C., Sunde, M., Hopp, P., Bruheim, T., Cudjoe, K., Kvitle, B. and A.M. Urdahl. Occurrence of potentially human-pathogenic *Escherichia coli* O103 in Norwegian sheep. Appl. Environ. Microbiol. 2013, 79(23):7502-7509. DOI: 10.1128/AEM.01825-13.
23. Vestby, L.K., K.C.S. Johansen, I. Witsø, O. Habimana, A.A. Sceie, A. M. Urdahl, T. Benneche, S. Langsrud, L.L. Nesse. Synthetic brominated furanone F202 prevents biofilm formation by potentially human pathogenic *Escherichia coli* O103:H2 and *Salmonella* ser. Agona. Journal of Applied Microbiology, 2014 Feb;116(2):258-68. DOI:10.1111/jam.12355.
24. Nesse, L.L., C. Sekse, K. Berg., K.C.S. Johansen, Solheim, H., L.K. Vestby, and A.M. Urdahl. Potentially pathogenic *E. coli* can produce biofilm under conditions relevant for the food production chain. Appl. Environ. Microbiol. 2014 Apr;80(7):2042-9.
25. Sølverød, S.M., M. Norström, J.S. Slettemeås, A. Løvland, A.M. Urdahl, and M. Sunde. Emergence of AmpC-producing *Escherichia coli* in the broiler production chain in a country with a low

- antimicrobial usage profile. Veterinary Microbiology 2014. <http://dx.doi.org/10.1016/j.vetmic.2014.02.002>
26. Grøntvedt, C.A., Elstrøm, P., Stegger, M., Skov, R.L., Andersen, P.S., Larssen, K.W., Urdahl, A.M., Angen, Ø., Larsen, J., Åmdal, S., Løtvedt, S.M., Sunde, M., Bjørnholt, J.V. MRSA CC398 in humans and pigs in Norway: A "One Health" perspective on introduction and transmission. *Clin Infect Dis.* 2016 Dec 1;63(11):1431-1438. Epub 2016 Aug 11.
  27. Lange, H., J. Øverbø, K. Borgen, S. Dudman, G. Hoddevik, A.M. Urdahl, L. Vold, S.K. Sjurseth. Hepatitis E in Norway: seroprevalence in humans and swine. *Epidemiol Infect.* 2016 Sep 27:1-6.
  28. Slettemeås, J.S.; Urdahl, A.M., Mo, S., Johannessen, G., Grave, K., Norström, M. Steinbakk, M., and M. Sunde. Imported food and feed as contributors for introduction of plasmid-mediated colistin resistant *Enterobacteriaceae* to a "low prevalence" country. *J Antimicrob Chemother*, 2017 May 23. doi: 10.1093/jac/dkx161.
  29. Larsen J, Sunde M, Islam MZ, Urdahl AM, Barstad AS, Larsen AR, Grøntvedt CA, Angen Ø. Evaluation of a widely used culture-based method for detection of livestock-associated methicillin-resistant *Staphylococcus aureus* (MRSA), Denmark and Norway, 2014 to 2016. *Euro Surveill.* 2017;22(28):pii=30573. DOI: <http://dx.doi.org/10.2807/1560-7917.ES.2017.22.28.30573>
  30. Kaspersen, Håkon; Urdahl, Anne Margrete; Simm, Roger; Slettemeås, Jannice Schau; Lagesen, Karin; Norström, Madelaine. Occurrence of quinolone resistant *E. coli* originating from different animal species in Norway. *Veterinary Microbiology* 2018 Apr;217:25-31. doi: 10.1016/j.vetmic.2018.02.022.
  31. Mo SS, Urdahl AM, Madslie K, Sunde M, Nesse LL, Slettemeås JS, Norström M. What does the fox say? Monitoring antimicrobial resistance in the environment using wild red foxes as an indicator. *PLoS One* 2018 May 25;13(5):e0198019. doi: 10.1371/journal.pone.0198019. eCollection 2018.
  32. Petter Elstrøm, Carl Andreas Grøntvedt, Christina Gabrielsen, Marc Stegger, Øystein Angen, Solfrid Åmdal, Hege Enger, Anne Margrete Urdahl, Solveig Jore, Martin Steinbakk, Marianne Sunde Livestock-associated MRSA CC1 in Norway; introduction to pig farms, zoonotic transmission and eradication. *Frontiers in Microbiology* 2019, <https://doi.org/10.3389/fmicb.2019.00139>.
  33. Ole Arne Alvseike, Elin Røssvoll, Ole-Johan Røtterud; Truls Nesbakken, Eystein Skjerve, Miguel Prieto, Marianne Sandberg, Gro Johannessen, Marianne Økland, Anne Margrete Urdahl, Sigrun J Hauge. Slaughter hygiene in European cattle and sheep abattoirs assessed by microbiological testing and Hygiene Performance Rating Food Control. *Food Control* (accepted).
  34. Jannice Schau Slettemeås, Marianne Sunde, Charlotte Rosenberg Ulstad, Madelaine Norström, Astrid Louise Wester, Anne Margrete Urdahl. Occurrence and characterization of quinolone resistant *Escherichia coli* from Norwegian turkey meat and complete sequence of an IncX1 plasmid encoding *qnrS1*. *PlosOne.* 2019 Mar 11;14(3):e0212936. doi: 10.1371/journal.pone.0212936
  35. Anne Margrete Urdahl, Jannice Schau Slettemeås, Madelaine Norström og Cecilie M. Mejdell. Lav forekomst av antibiotikaresistente bakterier hos norske hester. *Norsk veterinærtidsskrift nr. 4*, 2019.
  36. Simm R, Slettemeås JS, Norström M, Dean KR, Kaldhusdal M, Urdahl AM. Significant reduction of vancomycin resistant *E. faecium* in the Norwegian broiler population coincided with measures taken by the broiler industry to reduce antimicrobial resistant bacteria. *PLoS One.* 2019 Dec 12;14(12):e0226101. doi: 10.1371/journal.pone.0226101.
  37. Håkon Kaspersen, Camilla Sekse, Eve Zeyl Fiskebeck, Jannice Schau Slettemeås, Roger Simm, Madelaine Norström, Anne Margrete Urdahl, Karin Lagesen. Dissemination of quinolone resistant *Escherichia coli* in the Norwegian broiler and pig production chain, and possible persistence in the broiler production environment. *Applied and Environmental Microbiology* 2020, Jan 17. pii: AEM.02769-19. doi: 10.1128/AEM.02769-19.
  38. Kaspersen H, Fiskebeck EZ, Sekse C, Slettemeås JSS, Urdahl AM, Norström M, Lagesen K, Simm R. Comparative genome analyses of wildtype- and quinolone resistant *Escherichia coli* indicate dissemination of QREC in the Norwegian broiler breeding pyramid. *Frontiers in Microbiology* (accepted).
  39. Live L. Nesse, Ane Mohr Osland, Solveig Sølverød Mo, Camilla Sekse, Jannice Schau Slettemeås, Anna Eline E. Bruvoll, Anne Margrete Urdahl, Lene K. Vestby. Biofilm forming properties of quinolone resistant *Escherichia coli* from the broiler production chain and their dynamics in mixed biofilms. *BMC Microbiology* 2020 (accepted).
  40. Solveig Sølverød Mo, Amar Anand Rao Telke, Kingsley Oteng Osei, Camilla Sekse, Jannice Schau Slettemeås, Anne Margrete Urdahl, Hanna Karin Ilag, Thongpan Leangapichart, Marianne Sunde. blaCTX-M-1/Inc11-ly plasmids circulating in *Escherichia coli* from Norwegian broiler production are related, but distinguishable. *Frontiers in Microbiology, section Antimicrobials, Resistance and Chemotherapy*, 2020 (accepted)

**Reports:**

1. Urdahl, A.M., K. Handeland and M. Hofshagen (2007). Zoonotiske agens hos vilt - problemstillinger vedrørende hjortevilt som råvare for matvareproduksjonen. Report, Veterinærinstituttet, Oslo, Norway.
2. Norwegian Scientific Committee for Food Safety, Panel on Biological Hazards (2007). A risk assessment of shiga toxin-producing *Escherichia coli* (STEC) in the Norwegian meat chain with emphasis on dry-cured sausages. <http://www.vkm.no/dav/1b1d63d5e9.pdf>. Report, Oslo, Norway.
3. Urdahl, A.M. (2007). Kartlegging av *E. coli* hos sau - Resultater fra prøver samlet inn i 2006. Report 11, 2007, Veterinærinstituttet, Oslo, Norway.
4. Lium et al. (2007). Kunnskapsstatus knyttet til mattrygghet og smittespredning - Kjøtt og kjøttprodukter fra storfe, småfe, svin og fjørfe. Veterinærinstituttets rapportserie 13-2007. Oslo: Veterinærinstituttet; 2007.
5. Urdahl, A.M., Sunde, M., Bruheim, T., Cudjoe, K. og Hopp, P. Kartleggingen av *E. coli* hos sau - resultater fra prøver samlet inn i 2007. Report 2, 2009, Veterinærinstituttet, Oslo, Norway.
6. Urdahl, A.M., Bruheim, T., Cudjoe, K., Hofshagen, M., Hopp, P., Johannesen, G. og Sunde, M. Sluttrapport - Kartlegging av *E. coli* hos sau. Report 5, 2009, Veterinærinstituttet, Oslo, Norway.
7. Brandal, L.T., Vold, L., Nygård, K. og Urdahl, A.M. Notat: Sorbitolfermenterende *E. coli* O157 - en kunnskapsoppsummering. Web Veterinærinstituttet: <http://www.vetinst.no/nor/Nyheter/Hva-vet-vi-om-E.-coli-O157-H/Kunnskapsoppsummering-E.-coli-O157>, 2009.
8. Urdahl, A.M., Pedersen, R., Johannesen, G., Cudjoe, K., Hopp, P., og Sekse, C. Sluttrapport - Kartlegging av *E. coli* O111 og O145 hos sau. Report 19, 2011, Veterinærinstituttet, Oslo, Norway.
9. Madslie, K., R.K. Davidson, K. Handeland, Ø. Øines, A.M. Urdahl, P. Hopp (2012). The surveillance and control programme for *Echinococcus multilocularis* in red foxes (*Vulpes vulpes*) in Norway. Hunting season 2010-2011. Oslo: Norwegian Veterinary Institute 2012 7 s. Surveillance and control programmes for terrestrial and aquatic animals in Norway. Annual report (2011), NVI.
10. Johannesen, GS, Cudjoe KS, Urdahl AM. Kartlegging av potensielt sykdomsfremkallende *Escherichia coli* i kjøtt importert fra 3.land. Veterinærinstituttets rapportserie 12-2012. Oslo: Veterinærinstituttet; 2012.
11. Madslie, K., Øines, Ø., Handeland, K., Urdahl, A.M, Albin-Amiot, C.J., Hopp, P., and R.K. Davidson (2013). The surveillance and control programme for *Echinococcus multilocularis* in red foxes (*Vulpes vulpes*) in Norway. Hunting season 2011-2012. Oslo: Norwegian Veterinary Institute 2013 8s. Surveillance and control programmes for terrestrial and aquatic animals in Norway. Annual report (2012), NVI.
12. NORM/NORM-VET 2012; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2013. ISSN:1502-2307 (print) / 1890-9965 (electronic).
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14. Antibiotikaresistens - kunnskapshull, utfordringer og aktuelle tiltak. Rapport fra tverrsektoriell ekspertgruppe, 2014; <http://www.fhi.no/dokumenter/35ed0e4c20.pdf>
15. Urdahl AM, Bergsjø B, Hofshagen M, Nordström M, Lium B. The surveillance programme for methicillinresistant *Staphylococcus aureus* in pigs in Norway 2014. *Surveillance programmes for terrestrial and aquatic animals in Norway. Annual report 2014*. Oslo: Norwegian Veterinary Institute 2014.
16. NORM/NORM-VET 2014; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2015. ISSN:1502-2307 (print) / 1890-9965 (electronic).
17. Madslie, Knut; Albin-Amiot, Charles Jean; Jonsson, Malin E; Clausen, Torill; Henriksen, Kristin; Urdahl, Anne Margrete; Heier, Berit Tafjord; Øines, Øivind. The surveillance and control programme for *Echinococcus multilocularis* in red foxes (*Vulpes vulpes*) in Norway in 2014. Oslo: Norwegian Veterinary Institute/The Norwegian Food Safety Authority 2015 6 s.
18. Urdahl AM, Bergsjø B, Nordström M, Grøntvedt CA. The surveillance programme for methicillinresistant *Staphylococcus aureus* in pigs in Norway 2015. *Surveillance programmes for terrestrial and aquatic animals in Norway. Annual report 2015*. Oslo: Norwegian Veterinary Institute 2016.
19. NORM/NORM-VET 2015; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2016. ISSN:1502-2307 (print) / 1890-9965 (electronic).
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- programmes for terrestrial and aquatic animals in Norway. Annual report 2016.* Oslo: Norwegian Veterinary Institute 2017.
21. Urdahl AM, Skaar K, Sunde M, Slette-meås JS, Norström M, Grøntvedt CA. A survey on methicillin resistant *Staphylococcus aureus* (MRSA) in mink in Norway 2016. ISSN 1894-5678
  22. NORM/NORM-VET 2016; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2017. ISSN:1502-2307 (print) / 1890-9965 (electronic).
  23. Mo SS, Urdahl AM, Madslie K, Sunde M, Nesse LL, Slette-meås JS, Norström M. Antimicrobial resistance in the Norwegian environment - red fox as an indicator. ISSN 1890-3290. Norwegian Veterinary Institute Report 11-2017.
  24. Urdahl AM, Nordström M, Bergsjø B, Grøntvedt CA. The surveillance programme for methicillin-resistant *Staphylococcus aureus* in pigs in Norway 2017. *Surveillance programmes for terrestrial and aquatic animals in Norway. Annual report 2016.* Oslo: Norwegian Veterinary Institute 2018.
  25. Sunde M, Urdahl AM, Norström M, Madslie K, Danielsen AV, Barstad AS, Welde H, Slette-meås JS, das Neves CG. Antibiotic resistance in terrestrial wild mammal species in Norway- roe deer and wild reindeer as indicator species. ISSN 1890-3290. Norwegian Veterinary Institute Report 6-2018.
  26. Gro Johannessen, Camilla Sekse, Petter Hopp, Anne Margrete Urdahl. Zoonotiske *E. coli* hos storfe. ISSN 1890-3290. Norwegian Veterinary Institute Report 15-2018.
  27. NORM/NORM-VET 2017; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2018. ISSN:1502-2307 (print) / 1890-9965 (electronic).
  28. Urdahl AM, Nordström M, Bergsjø B, Grøntvedt CA. The surveillance programme for methicillin-resistant *Staphylococcus aureus* in pigs in Norway 2018. *Surveillance programmes for terrestrial and aquatic animals in Norway. Annual report 2016.* Oslo: Norwegian Veterinary Institute 2019.
  29. NORM/NORM-VET 2018; Usage of Antimicrobial Agents and Occurrence of Antimicrobial Resistance in Norway. Tromsø/Oslo 2018. ISSN:1502-2307 (print) / 1890-9965 (electronic).
  30. Gro S. Johannessen, Camilla Sekse, Marianne Økland, Anne Margrete Urdahl, Mona Torp. Surveillance programmes in Norway - Zoonotiske *E. coli* i norske kjøttvarer - Annual Report 2018. ISSN 1894-5678. Oslo: Norwegian Veterinary Institute 2019.
  31. Urdahl AM, Nordström M, Welde H, Bergsjø B, Grøntvedt CA. The surveillance programme for methicillin-resistant *Staphylococcus aureus* in pigs in Norway 2019. *Surveillance programmes for terrestrial and aquatic animals in Norway. Annual report 2016.* Oslo: Norwegian Veterinary Institute 2020.