



GOBIERNO
DE ESPAÑA

MINISTERIO
DE AGRICULTURA, ALIMENTACIÓN
Y MEDIO AMBIENTE

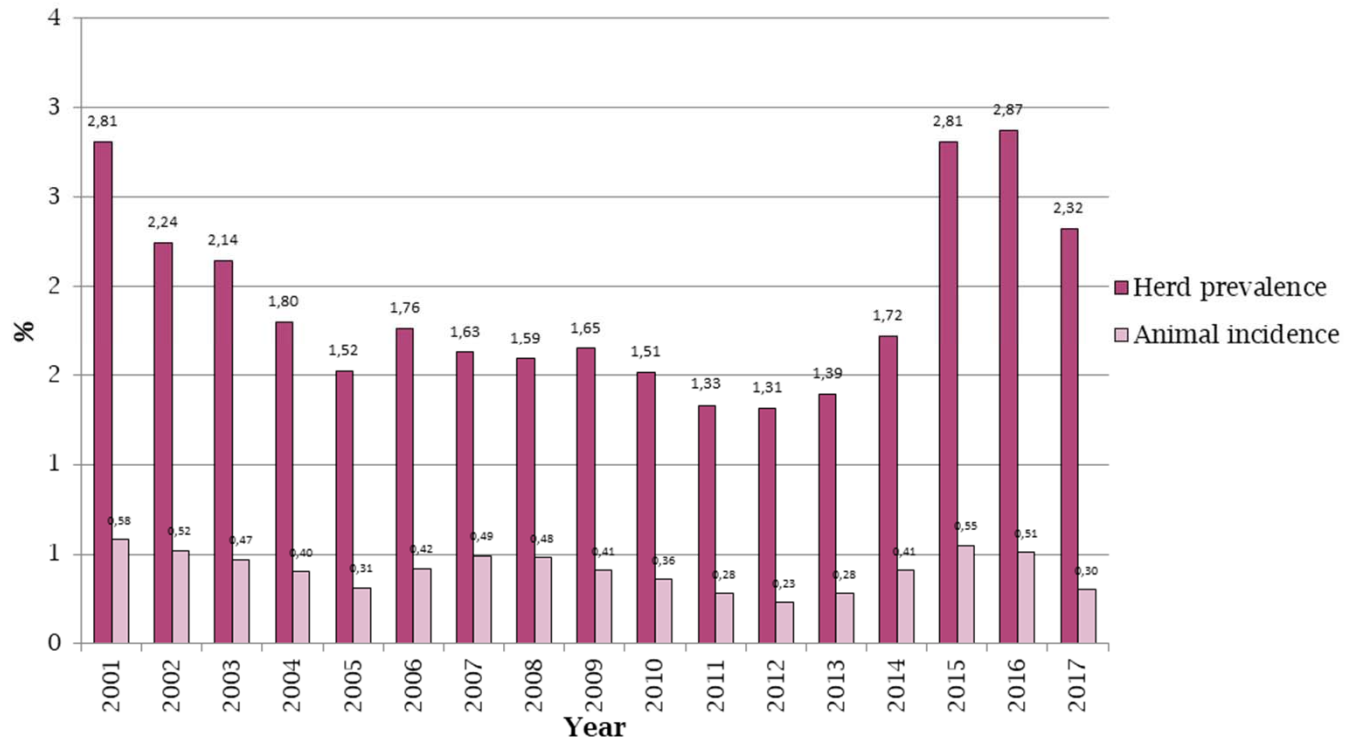
Analysis of the evolution of the National Eradication Programme on Bovine Tuberculosis in Spain 2017. Epidemiological situation.

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Epidemiological Evolution

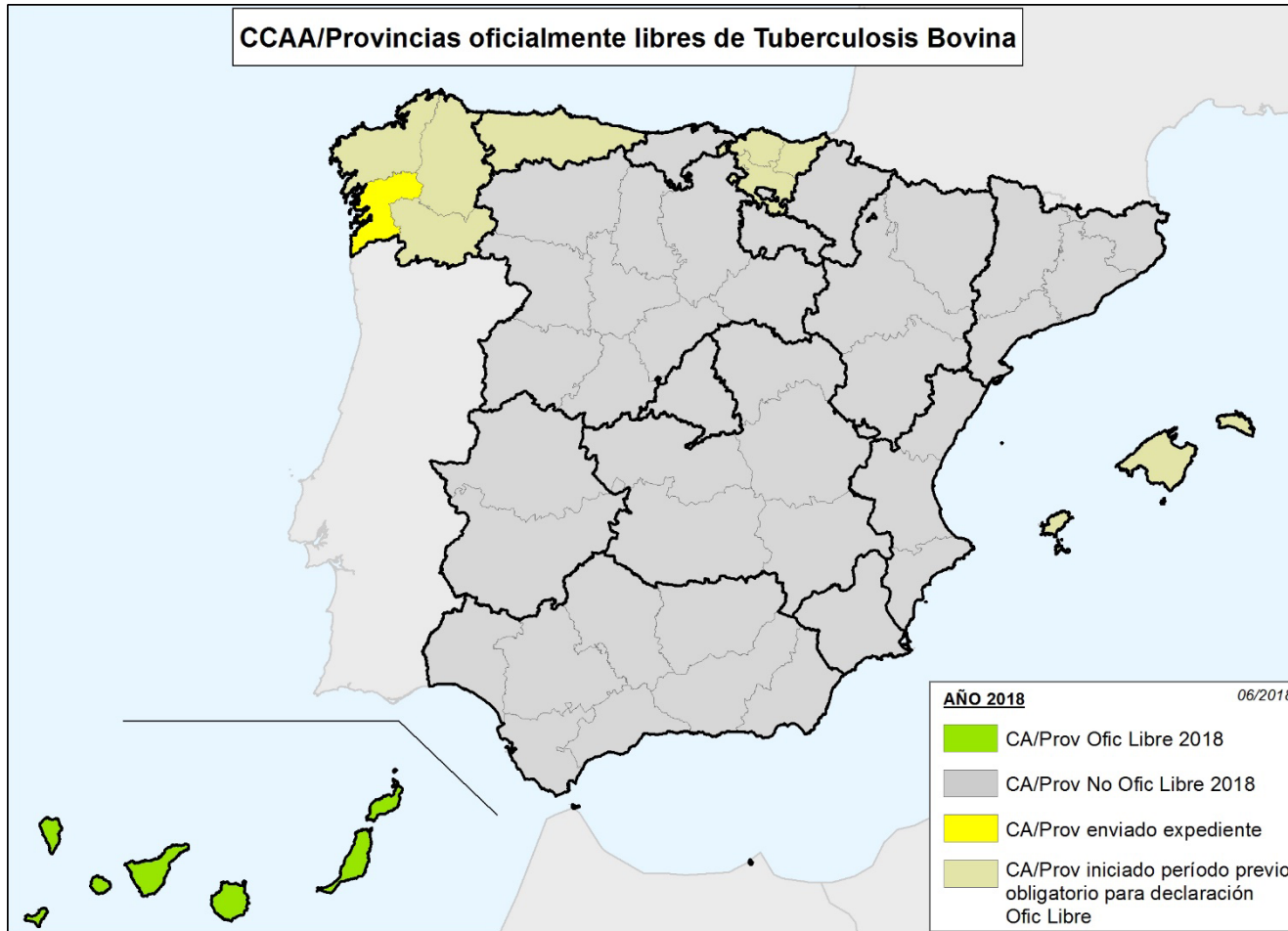


Evolution of prevalence by regions

| CCAA | PREVALENCIA DE REBAÑO | | | | | | | | | | | | | | | |
|--------------------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| ANDALUCÍA | 9,65 | 8,47 | 6,73 | 5,32 | 5,76 | 4,15 | 5,80 | 8,94 | 8,54 | 6,16 | 5,69 | 5,94 | 11,51 | 17,24 | 17,10 | 12,34 |
| ARAGÓN | 3,14 | 2,75 | 2,03 | 1,56 | 1,96 | 3,65 | 0,75 | 0,70 | 1,22 | 1,62 | 1,38 | 0,71 | 0,58 | 0,81 | 0,60 | 0,49 |
| ASTURIAS | 0,32 | 0,22 | 0,24 | 0,18 | 0,17 | 0,24 | 0,22 | 0,21 | 0,18 | 0,14 | 0,19 | 0,20 | 0,21 | 0,28 | 0,17 | 0,08 |
| BALEARES | 0,92 | 1,02 | 0,65 | 0,65 | 0,22 | 0,21 | 0,00 | 0,00 | 0,17 | 0,00 | 0,40 | 0,60 | 0,41 | 0,60 | 0,00 | 0,00 |
| CANARIAS | 0,34 | 1,05 | 2,40 | 1,00 | 0,36 | 0,37 | 0,24 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| CANTABRIA | 1,00 | 1,34 | 1,41 | 1,16 | 1,05 | 2,25 | 1,57 | 0,91 | 0,79 | 0,74 | 0,89 | 0,88 | 0,70 | 1,38 | 0,83 | 0,50 |
| CASTILLA LA MANCHA | 7,69 | 3,36 | 7,19 | 7,02 | 7,71 | 9,51 | 11,62 | 10,27 | 7,11 | 5,35 | 3,54 | 3,33 | 7,21 | 7,63 | 7,84 | 10,35 |
| CASTILLA Y LEÓN | 5,10 | 5,66 | 3,78 | 3,37 | 5,11 | 4,16 | 3,71 | 2,75 | 2,62 | 2,57 | 2,66 | 2,88 | 2,22 | 1,93 | 1,87 | 1,63 |
| CATALUÑA | 1,93 | 1,74 | 1,78 | 1,70 | 1,65 | 1,08 | 0,85 | 0,83 | 0,59 | 0,81 | 0,25 | 0,04 | 0,16 | 0,32 | 0,30 | 0,18 |
| EXTREMADURA | 7,45 | 5,95 | 5,57 | 4,05 | 4,84 | 3,74 | 3,37 | 3,78 | 3,04 | 3,11 | 3,29 | 4,53 | 4,62 | 12,23 | 12,96 | 9,75 |
| GALICIA | 0,52 | 0,43 | 0,46 | 0,31 | 0,20 | 0,19 | 0,11 | 0,22 | 0,28 | 0,19 | 0,21 | 0,12 | 0,11 | 0,08 | 0,05 | 0,02 |
| LA RIOJA | 2,05 | 2,70 | 2,76 | 1,31 | 0,72 | 0,70 | 1,45 | 0,75 | 1,14 | 0,38 | 0,36 | 0,37 | 0,72 | 2,81 | 3,86 | 2,11 |
| MADRID | 3,69 | 3,92 | 1,99 | 2,58 | 2,59 | 3,41 | 5,72 | 5,54 | 5,45 | 7,22 | 6,13 | 4,51 | 3,55 | 3,86 | 3,04 | 2,69 |
| MURCIA | 5,79 | 1,48 | 7,59 | 4,46 | 4,96 | 8,05 | 3,29 | 3,51 | 1,59 | 0,33 | 1,40 | 1,84 | 0,94 | 1,66 | 2,90 | 1,23 |
| NAVARRA | 0,52 | 0,82 | 0,36 | 0,38 | 0,27 | 0,33 | 0,40 | 0,30 | 0,67 | 0,65 | 0,30 | 0,66 | 0,67 | 0,50 | 0,64 | 0,69 |
| PAÍS VASCO | 0,06 | 0,17 | 0,22 | 0,64 | 0,19 | 0,14 | 0,20 | 0,57 | 0,37 | 0,33 | 0,25 | 0,17 | 0,25 | 0,16 | 0,17 | 0,09 |
| VALENCIA | 12,47 | 5,56 | 2,63 | 2,16 | 1,61 | 1,14 | 1,41 | 1,38 | 3,84 | 1,94 | 1,55 | 2,88 | 3,06 | 2,73 | 1,99 | 4,00 |
| TOTAL | 2,24 | 2,14 | 1,80 | 1,52 | 1,76 | 1,63 | 1,59 | 1,65 | 1,51 | 1,33 | 1,31 | 1,39 | 1,72 | 2,81 | 2,87 | 2,32 |

New measures 2016-2017

- Audits by the Ministry to the regions on the implementation of the eradication programme
- Special protocol of official controls on field veterinarians
- Guide on non-compliances and penalties for field veterinarians
- Increase in the official declaration of “zones of emergency in wildlife” and action plan PATUBES
- Random post-movement tests (origin UVLs >1%)



Prevalence <0,1%: regions of low prevalence 2020; región moderate prevalence: 2025; regions high prevalence 2030

Conclusions

- Integral control of compliance of the implementation of the National Eradication programme at all levels
- Consequences in case of non-compliance
- After some puntual increases in epidemiological indicators, in 2017 a decrease of them after the correct implementation of all measures in all regions and at all levels at the same time
- Confidence in the desing of the reinforced programme, some mesures on wildlife starts in July 2017 (removal of hunting animal by products).