1	Appendix 1 HWAP developed by Viksten et al. (2017). Translated from Swedish. Measures marked with
2	an * were excluded from statistical analysis. The full copy and Swedish original version are available
3	from the authors.
4	
5	<u>Information</u>
6	Name*
7	Gender* Mare Gelding Stallion
8	Age*
9	Breed*
10	Witherheight*
11	Main usage*
12	Dressage / Showjumping / Endurance / Eventing / Driving / Recreation-allround / Riding school / Western / Other:
13	Training h / week*
14	Veterinary medical history*
15	<u>Housing</u>
16	Housing* Group / Box / Tie-up stall Description:
17	Ceiling height*
18	Size housing*
19	Visual horizon no of sides:
20	Enrichments aimed at increasing feeding time 0 1 (yes; no) Description:
21	Possibility of social contact 0 1 2 (touch/smell/visual/sound; one or more missing; social isolation)
22	Description:
23	<u>Feed</u>
24	Water height*
25	Concentrates height*
26	Cleanliness concentrate trough 0 1 2 (clean; partly dirty; slimy and dirty)
27	Roughage height*

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28
       Possibility to feed undisturbed 0 1 (yes; no)
29
       Water in housing* 0 1 (yes; no)
30
       Horses per drinker*
31
       Water function (automatic only) 0 1 (yes; no)
32
       Water drinker type*
33
       Water cleanliness in stable 0 1 2 (clean; dirty; slimy and dirty)
34
       Roughage/dav*
35
       Concentrates /day*
36
       Roughage without water
                                 0 1 (no; yes)
37
       Estimated feed availability /day 0 	 1 	 2 	 (>6 	 h; 3-6 	 h; <3 	 h)
38
       Feeding times /day*
39
       Concentrates alone or before roughage 0 1 (no or simultaneously; yes)
40
       PADDOCK
41
       Time in paddock /dag*
                                       /week*
42
       Access to pasture / year or hours/week*
43
       HORSE
44
       Backmuscles palpation 0 1 (no reaction at first or second palpation; reaction at first and second palpation)
45
       Body Condition Score 1 2 3 4 5
46
       Hampered breathing* 0 1 (no; yes)
47
       Thermal comfort* 0 1 (no sweat or shivering; sweating or shivering)
48
       Wounds 0 1 2 (none; several; old untreated in need of veterinarian) Place on body:
49
       Mane & tail condition 0 1 2 (no scratch; some scratching; severe scratching, rubbed off hair or open wounds)
50
       Coat quality 0 1 2 (normal shiny; part shaggy or dull; very long dull and shaggy)
51
       Skin condition 0 1 2 (normal; hairless patches/crusts/dandruff; serious issues on majority of body) Place:
52
       Equipment chafing 0 1 2 (none; chafed coat or hairless patch; chafed off coat and open wound)
53
       Rug cleanliness* 0 1 (clean; dirty/very hairy on inside)
54
       Ocular discharge
                            0 1 2 (none; some or small lump; long lines running down cheek)
55
       Nasal discharge*
                            0 1 (clear; runny, coloured or thick)
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56
      Corners of mouth 0 1 2 (no damage; chafing or depigmentation; wound or depigmentation and chafing)
57
      Hoof quality* 0 1 2 (normal; long or cracked; severely overgrown or cracked) Description:
58
      Stereotypy*
                    0 1
                           Treatment:
                                                      Year of onset:
59
      General impression at physical assessment 0 1 2 (positive; neutral; aggressive or avoidant)
60
      Lameness
                  0 1 2 (none; short stride or non-rhythmic; not bearing weight on leg)
61
      STABLE
62
      Location*
63
      Date*
64
      Season*
65
      RH outside*
                           inside
66
      Temp outside*
                              inside
67
      Condensation 0 1 2 (none; next to ventilation openings; in ceiling/dripping down)
68
      Noise* 0 1 (ok; noisy >60 dB)
69
      Ventilation type*
70
      Open ventilation inlets 0 1 2 (direct; indirect; none)
71
      Mould 0 1 2 (none; moist dark patches; visible mould)
72
      General impression stable morning* 0 1 2 (calm; some horses kicking or stereotypic; noisy and several
73
      horses kicking and/or stereotypic)
74
      Coughing*
75
      Risks of injury in stable*
76
      DRAWING OF STABLE LAYOUT (DONE BY HAND)
77
      DRAWING OF PADDOCKS LAYOUT (DONE BY HAND)
78
      Bumping into things or slipping (to/from stable) 0 1 2 (safe without slipping/bumping; slipping or bumping;
79
      slipping and bumping)
80
      Paddock size*
81
      Horses/paddock*
82
      Surface quality 0 1 2 (dry/even; muddy/wet/uneven; unacceptable)
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- Possibility to feed undisturbed in paddock (no horses negatively interacting during feeding ie space between roughage piles is sufficient)

 Water access paddock* 0 1 (yes; no)

 Horses/drinker*

 Water function (automatic) 0 1 (functions; squirts water or very hard to push)

 Water flow (l/min)*

 Water drinker type*
- Water cleanliness paddock 0 1 2 (clean; dirty; very dirty or slimy)