Transportation of U.S. Equids

Equids in the United States are moved around the country and internationally. Such movement has economic and health implications, therefore understanding equine movement patterns is important.

NAHMS collected data on equine health and management practices from a representative sample of equine operations in 28 states\(^1\). These operations represented about three-fourths of the equine population and three-fourths of operations with equids in the U.S. For this study, equids were defined as horses, miniature horses, ponies, mules, donkeys, and burros. Overall, 2,904 operations with one or more equids participated in the Equine '98 Study's first interviews from March 16 through April 10, 1998. More detailed information on the study and the sampling methodology is available in NAHMS Equine '98 tabular summary reports (Part II, pages 67-70).

Overall, 54.6 percent of equine operations transported resident equids off their home operation and back by vehicle in 1997. Resident equids were those animals for which the operation was a home base as opposed to visiting animals. Operations with primary functions of boarding/training or breeding were more likely to have transported equids in 1997 than operations with other functions (89.4 and 84.3 percent, respectively). Over three-fourths of operations where the primary use of equids was either for show/competition, racing, or breeding transported equids by vehicle during 1997 (97.0, 87.8, and 79.1 percent, respectively). Also, the percentage of operations transporting equids increased with increasing size of operation (35.4 and 87.9 percent of operations with 1-2 and 20 or more resident equids, respectively).

Over one-half (53.0 percent) of all equine operations transported resident equids by vehicle within their home state in 1997, while only 12.2 and 0.3 percent of operations transported resident equids outside of the state (but within the U.S.) and internationally, respectively. More operations (65.8 percent) in the Western region transported animals within state and returned them to their home operation than any other region (Figure 1). The percentages of operations

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transporting animals outside of their home state and
returning them to their home operation was similar
across regions.

A higher percentage of operations transported equids
by vehicle within state for the purpose of
riding/working than for any other purpose (Figure 2 on
the previous page). The next most common purpose
for transporting equids within state was for
show/race/competition (20.0 percent). A similar
percentage (15.5 percent) of operations transported
equids at least once within state to a veterinary hospital
in 1997. For transportation out of state but within the
U.S., the percentages of operations transporting equids
for the purposes of riding/working and
show/race/competition were similar. Less than 2
percent of operations transported animals out of state
for breeding, veterinary hospital visits, or other
reasons.

For operations that transported equids for a given
purpose within state, 10 or more trips were more
likely to be taken for riding/working or for
show/race/competition (41.5 and 47.5 percent of
operations, respectively, Figure 3) than if they
transported the equids for breeding or veterinary
hospital visits (13.5 and 16.7 percent taking 10 or
more trips, respectively). Although fewer operations
made out-of-state trips compared to in-state trips,
proportionately similar percentages of out-of-state
and in-state trips were for veterinary care. Of
operations that transported equids for specific
purposes outside of the state but within the U.S., the
percentages of operations making 10 or more trips
were lower for riding/working and
showing/racing/competing purposes compared to
within-state travel.

**Operation average maximum** distance traveled
(whether or not by vehicle) was similar across regions
(156 miles), although it varied by the primary use of
equids (Figure 4). Longer trips were taken when
equids were used for showing/competition (369 miles),
racing (348 miles), and breeding (268 miles).
Operation average maximum distances traveled were
lower for operations with the primary uses of pleasure
or farm/ranch work. Maximum distance traveled
increased markedly with increasing operation size
(Figure 5).

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