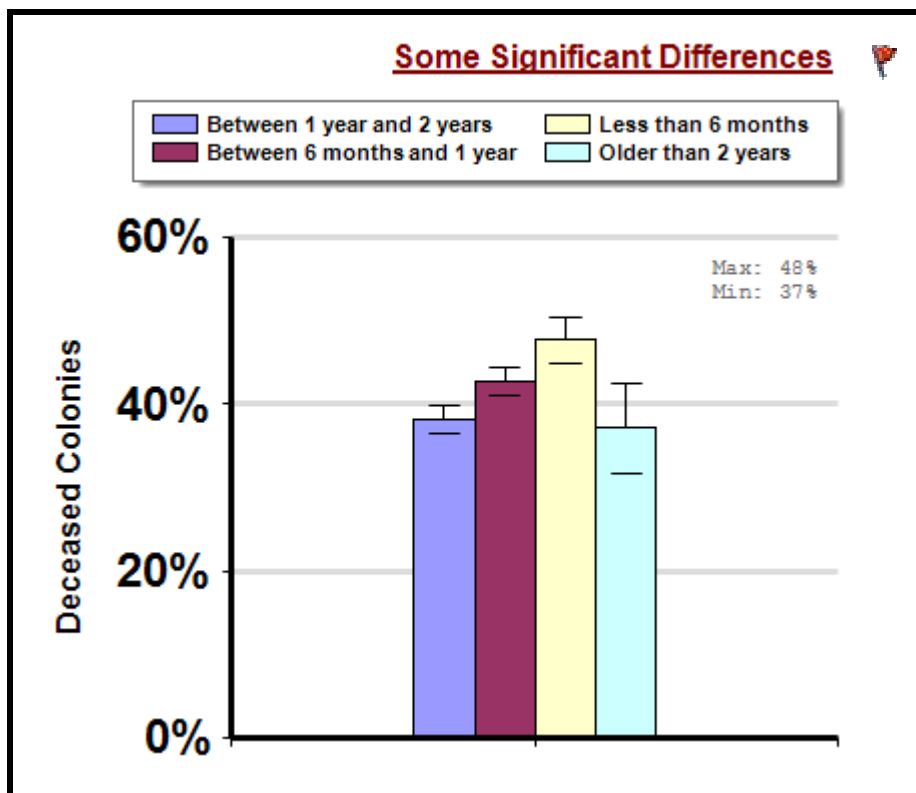




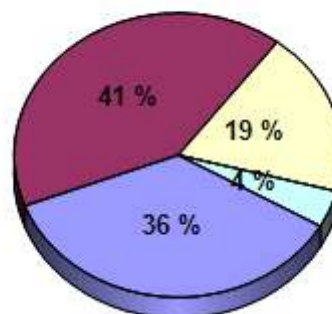
Average winter colony mortality suffered by beekeepers grouped by the average age of queens in their colonies between April 2014 and March 2015.

## Winter

Report ID: 212-2015



## Participant Ratio



## Interpretation

Beekeeping operations whose queens were less than 6 months old lost significantly more overwintering colonies than beekeepers whose queens were aged between 6 months and 2 years, or had queens older than 2 years.

## Survey Question

On average how old were the queens that headed a majority of your colonies on April, 2014?

- Less than 6 months
- Between 6 months and 1 year
- Between 1 and 2 years
- Older than 2 years
- Don't know

|                             | Total Number of Respondents Providing Valid Responses | Total Number of Colonies Managed | Average Number of Colonies Managed |                | Average Colony Loss       |
|-----------------------------|---|----------------------------------|------------------------------------|----------------|---------------------------|
|                             |   |                                  | Mean                               | Standard Error | Mean(%) [Lower, Upper] CI |
| Between 1 year and 2 years  | 1,436   | 86,019                           | 59.9                               | 19.1           | 38.2 [36.4, 39.9]         |
| Between 6 months and 1 year | 1,648   | 216,400                          | 131.3                              | 42.5           | 42.8 [41.1, 44.5]         |
| Less than 6 months          | 752   | 51,140                           | 68.0                               | 25.5           | 47.7 [44.9, 50.5]         |

|                    |     |       |      |     |                   |
|--------------------|-----|-------|------|-----|-------------------|
| Older than 2 years | 169 | 1,959 | 11.6 | 5.7 | 37.1 [31.6, 42.6] |
|--------------------|-----|-------|------|-----|-------------------|

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## Comments About This Data

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## Relevant Links, References, and Citations

Funded By:



United States  
Department of  
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This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping population at large. These results simply highlight differences in the sample population. The results cannot be considered conclusive, causative, protective, or attest to product efficacy or lack of efficacy.