

**State of Iowa**  
**County Redistricting Worksheet (1 of 2)**  
**Plan Two and Plan Three Counties Only**

County: \_\_\_\_\_

**Ideal District Population**

Divide the total population of the county by the number of supervisor districts.

$$\frac{\text{County Population}}{\text{\# Supervisor Districts}} = \text{Ideal District Population}$$

[§§42.4(1)(a), 331.209(1), 331.210]

**Maximum Allowable Variation**

Multiply the Ideal District Population by 0.01.

$$\text{Ideal Population} \times 0.01 = \text{Maximum Allowable Variation}$$

[§§42.4(1)(a), 331.209(1), 331.210]

**District Population Variations**

- Enter the population for each supervisor district on the chart below.
- Compare each District Population with the Ideal District Population that you calculated above. Subtract the smaller population number of the two from the larger. List the difference in the Variation column below.
- Total the populations of all districts. The total must equal the census population for your county.
- Total the variations for all districts to determine the overall variation.

District	Population	Variation
1		
2		
3		
4		
5		
	= Total Population	= Overall Variation

**Important Note:** If the variation of any district is greater than the Maximum Allowable Variation, the board of supervisors must publish the justification for the variation in one or more official newspapers within 10 days after the plan is adopted. Proof of publication must be included in the materials sent to the Secretary of State.

[§§42.4(1)(a), 331.209(1), 331.210]

**State of Iowa  
County Redistricting Worksheet (2 of 2)  
Supervisor District Population Certification**

County: \_\_\_\_\_

**Average Variation**

Divide the overall variation by the number of supervisor districts.

$$\frac{\text{Overall Variation}}{\text{\# Supervisor Districts}} = \text{Average Variation}$$

If the Average Variation is greater than the Maximum Allowable Variation, the plan must be rejected.

[§§42.4(1)(a), 331.209(1), 331.210]

**District Size Comparison**

Divide the population of the largest district by the smallest district.

$$\frac{\text{Largest district population}}{\text{Smallest district population}} = \text{_____}$$

This number must be 1.05 or less. If it is greater than 1.05, the plan must be rejected.

[§§42.4(1)(a), 331.209(1), 331.210]

**District Populations**

District Number	Population
1	
2	
3	
4	
5	
Total Population	

*I hereby certify that this is a complete and correct list of all supervisor districts in this county of \_\_\_\_\_ and that the population data included is correct.*

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Chairperson of Board of Supervisors

Print Name: \_\_\_\_\_