

Bridge Data Tip: Mercury Is Rising

Determine how much methylmercury (MM) is safe for each of the family members to consume in a given month. Calculate the missing values in the following table.

Table 1.

Family Member	Weight (lbs)	Weight (kg) (1kg = 2.2 lb)	RfD (mg/kg per day)	Daily Allowable MM Intake (mg/day)	Monthly (30 days) Allowable MM Intake (mg/month)
Dad	180		0.0001 mg/kg per day		
Mom	140		0.0001 mg/kg per day		
Daughter	60		0.0001 mg/kg per day		

Calculate the missing values in the following table to determine the allowable portion size of walleye for each family member.

Table 2.

Family Member	Monthly Allowable MM from Table 1 (mg)	Concentration of MM in walleye	Safe Amount of Walleye to Eat (g of fish)	Safe Amount of Walleye to Eat (oz of fish) (1 oz = 28.4g)
Father		0.001 mg MM/ g of fish		
Mother		0.001 mg MM/ g of fish		
Daughter		0.001 mg MM/ g of fish		