

## 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	81.8	0.0001 mg/kg per day	0.00818	0.2454
Mom	140	63.6	0.0001 mg/kg per day	0.00636	0.1908
Daughter	60	27.3	0.0001 mg/kg per day	0.00273	0.0819

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	0.2454	0.001 mg MM/ g of fish	245.4	8.6
Mother	0.1908	0.001 mg MM/ g of fish	190.8	6.7
Daughter	0.0819	0.001 mg MM/ g of fish	81.9	2.9